

2008 Q2 RELIABILITY REPORT

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1.0 OVERVIEW OF CYPRESS SEMICONDUCTOR, INC. TOTAL QUALITY MANAGEMENT SYSTEM

This report summarizes Cypress Semiconductor Product Reliability for the period of the 2nd quarter of 2008. It includes data from devices fabricated at both internal Cypress and external subcontractor wafer fabrication and assembly facilities.

Cypress Semiconductor has established aggressive reliability objectives. The quality standard at Cypress is zero defects, driven by a culture requiring continuous improvement in quality and reliability.

Product reliability is assured by a total quality management system. The quality management system is described in detail in the Cypress Semiconductor Quality Manual (Cypress Semiconductor Document Number 90-00001). Key reliability-related programs of the total quality management system are: (1) design rule review and approval; (2) control of raw materials and vendor quality; (3) manufacturing statistical process controls; (4) "Maverick Lot" yield limits; (5) formal training and certification of manufacturing personnel; (6) qualification of new products and manufacturing processes; (7) continuous reliability monitoring; (8) formal failure analysis and corrective action; and (9) competitive benchmarking.

Product Reliability data is accumulated as a result of new product Qualification Test Plan activities (Cypress Semiconductor Document Number 25-00040) as well as from the Reliability Monitor Program (Cypress Semiconductor Document Number 25-00008). All reliability test samples are obtained from standard production material. Sample selection is based on generic product families. These generic products are designed with very similar design rules and manufactured from a core set of processes.

Reliability strategy requires that every failure that occurs during reliability testing be subjected to failure analysis (Cypress Semiconductor Document Number 25-00039) to determine the failure mechanism. Corrective action is then implemented to prevent future failures, resulting in continuous improvement in product reliability.

Sabbas Daniel
Executive Vice-President, Quality



2.0 PRODUCT RELIABILITY

In product stress testing, the main emphasis is on the useful life section of the bathtub curve. The test methodology used to predict the useful life period is a life test under a dynamic bias and at temperatures of 125°C or 150°C at the maximum specified use voltage of the product. The duration at these temperatures is 1,000 and 500 hours, respectively.

At Cypress, product reliability tests are performed as part of both the qualification processes and the standard reliability monitoring program. Each fab site and technology family from each product line is sampled. These reliability tests utilize the following stress factors to accelerate failure: temperature, current and /or voltage. The product reliability tests currently employed at Cypress include Early Failure Rate (EFR) and Long Term Failure Rate (LFR).

2.1 EARLY FAILURE RATE SUMMARY

Early Failure Rate Determination: High Temperature Operating Life testing (HTOL), for as long as 96 hours, is used to estimate device early failure rate. This stress will typically correspond to the first 2000 hours of device operation in a system environment. The remainder of the device's lifetime is characterized with extended LFR testing (See Section 3)

Test : High Temperature Operating Life Test (HTOL)
Conditions : Dynamic Operating Conditions, VCC nominal + 15%, 150°C or 125°C.
Duration : 48 hours HTOL at 150°C or 96 hours at 125°C.
 (Refer to Appendix C for derating factor calculation)
Failure : A failure is any device that fails to meet data sheet electrical requirements.

Table 1. Early Failure Rate Summary

| Technology | Device Hours | # Failed | FIT Rate | PPM | Failure Mode |
|--------------------|------------------|-----------|--------------|-----------|----------------------------|
| B53 | 18,550 | 0 | Insufficient | 0 | None |
| C8 | 577,051 | 0 | 9 | 0 | None |
| C9 | 5,449,570 | 10 | 6 | 84 | Fab defect-10 (see Note 2) |
| L28 | 14,304 | 0 | Insufficient | 0 | None |
| L8 | 104,688 | 0 | Insufficient | 0 | None |
| P26 | 14,352 | 0 | Insufficient | 0 | None |
| R5 | 290,676 | 0 | 19 | 0 | None |
| R7 | 9,259 | 0 | Insufficient | 0 | None |
| R8 | 189,019 | 0 | 28 | 0 | None |
| R9 | 1,887,967 | 0 | 3 | 0 | None |
| R95 | 306,488 | 0 | 18 | 0 | None |
| S4 | 779,160 | 0 | 7 | 0 | None |
| STARM | 63,453 | 0 | Insufficient | 0 | None |
| UMC 0.18 | 40,010 | 0 | Insufficient | 0 | None |
| Grand Total | 9,744,546 | 10 | 3 | 41 | See above |

Notes: 1) Insufficient data – interpret as insufficient accumulated life-time hours to project a 60%confidence bound for a zero-fails sample.
 2) CAR 200709049 – Improve process margin for Poly and LI mask.

2.2 LONG TERM FAILURE RATE SUMMARY

A High Temperature Operating Life test (HTOL) is used to estimate long-term reliability. By operating the devices at accelerated temperature and voltage, hundreds of thousands of use hours can be compressed into hundreds of test hours.

| | | |
|-------------------|---|---|
| Test | : | High Temperature Operating Life Test (HTOL) |
| Conditions | : | Dynamic Operating Conditions, VCC nominal +15% 150°C or 125°C. |
| Duration | : | A minimum of 80 hours at 150°C or 168 hours at 125°C Generally 500 hours at 150°C or 1000 hours at 125°C. (Refer to Appendix C for derating factor calculation) |
| Failure | : | A failure is any device that fails to meet data sheet electrical requirements. |
| Fit Rate | : | Derated to 55° C ambient, with 60% upper confidence bound for 0 failures, Ea =0.7ev (Refer to Appendix A) |

Table 2. Long Term Failure Rate Summary

| Technology | Device Hours | # Failed | FIT Rate | Failure Mode |
|--------------------|------------------|----------|--------------|--------------|
| B53 | 173,556 | 0 | 31 | None |
| C8 | 738,393 | 0 | 7 | None |
| C9 | 634,002 | 0 | 8 | None |
| L28 | 3,368,802 | 0 | 2 | None |
| L8 | 54,240 | 0 | Insufficient | None |
| P26 | 125,580 | 0 | Insufficient | None |
| R5 | 235,320 | 0 | 23 | None |
| R7 | 6,852 | 0 | Insufficient | None |
| R8 | 652,875 | 0 | 8 | None |
| R9 | 302,565 | 0 | 18 | None |
| R95 | 543,293 | 0 | 10 | None |
| S4 | 2,293,164 | 0 | 2 | None |
| TSMC 0.25 | 22,452 | 0 | Insufficient | None |
| UMC 0.18 | 194,501 | 0 | 28 | None |
| 0.25um | 24,511 | 0 | Insufficient | None |
| Grand Total | 9,370,105 | 0 | 1 | None |

Note: Insufficient data – interpret as insufficient accumulated life-time hours to project a 60% confidence bound for a zero-fails sample.

2.3 DATA RETENTION SUMMARY

A high-temperature, non-biased bake test ensures that data retention meets established reliability goals. The devices are baked without bias at either 165°C for plastic-packaged devices, or 250°C for hermetically-packaged devices. DRET is performed on programmed devices to establish a failure rate for cell charge loss. The reliability at nominal system ambient temperature is related to the failure rate at elevated temperatures through the Arrhenius equation.

| | | |
|-------------------|---|---|
| Test | : | Data Retention Testing (DRET) |
| Conditions | : | High temperature non-biased bake |
| Duration | : | A minimum of 500 hours at 150°C or 168 hours at 165°C Generally 1000 hours at 150°C or 500 hours at 165°C. |
| Failure | : | Devices are programmed with a worst case program pattern before being subjected to data retention testing. The memory pattern is verified at each readpoint and any device with altered bits is classified a failure. |

Table 3. Data Retention Summary

| Technology | Sample Size | Device-Hours | # Failed | PPM | Failure Mode |
|--------------------|--------------|------------------|----------|----------|--------------|
| S4 | 6,402 | 2,800,091 | 0 | 0 | None |
| Grand Total | 6,402 | 2,800,091 | 0 | 0 | None |

Note: Insufficient data – interpret as insufficient accumulated life-time hours to project a 60%confidence bound for a zero-fails sample.

3.0 PACKAGE RELIABILITY

Package-level reliability testing refers to the assessment of the overall reliability of the device in packaged form. This consists of subjecting packaged samples to reliability tests that expose the various sample sets to different stress conditions, after which the samples are tested for any degradation.

At Cypress, package reliability tests are performed as part of the qualification processes and as part of the standard reliability monitoring program. The reliability test employed is chosen based on the failure mechanism, as different stress tests accelerate different failure mechanisms. These reliability tests utilize one or more of the following stress factors to accelerate failure: temperature, moisture or humidity, current, voltage, and pressure. The package reliability tests currently employed at Cypress include Pressure Cooker Test (PCT), Highly Accelerated Stress Test (HAST), Temperature Cycle Test (TCT), and High Temperature Storage (HTS). Figure 1 shows the Cypress package reliability stress flow.

Surface-mount samples are preconditioned per Jedec Std JESD22-A113 prior to package reliability testing. This is required prior to TCT, PCT and HAST testing. Preconditioning simulates the board mounting process of the customer. It normally consists of a temperature cycle to simulate exposure to different temperatures during shipping, a bake to drive away the moisture inside the packages of the samples, a soak to drive a controlled amount of moisture into the package, and three cycles of convection reflow. Packages are soaked and reflowed based on their shipping moisture sensitivity classification. The samples are tested (acoustic and electrical) after preconditioning, failures from which are considered as preconditioning failures and not reliability failures. Preconditioning failures should be taken seriously, since these imply that the samples are not robust enough to withstand the board mounting process.

Cypress conducts all major classes of package reliability tests on each of its package families. The package characteristics and assembly locations are the primary considerations when grouping packages into package families. A package family may consist of a group of 44-lead to 144-lead TQFP packages manufactured at a particular manufacturing location.

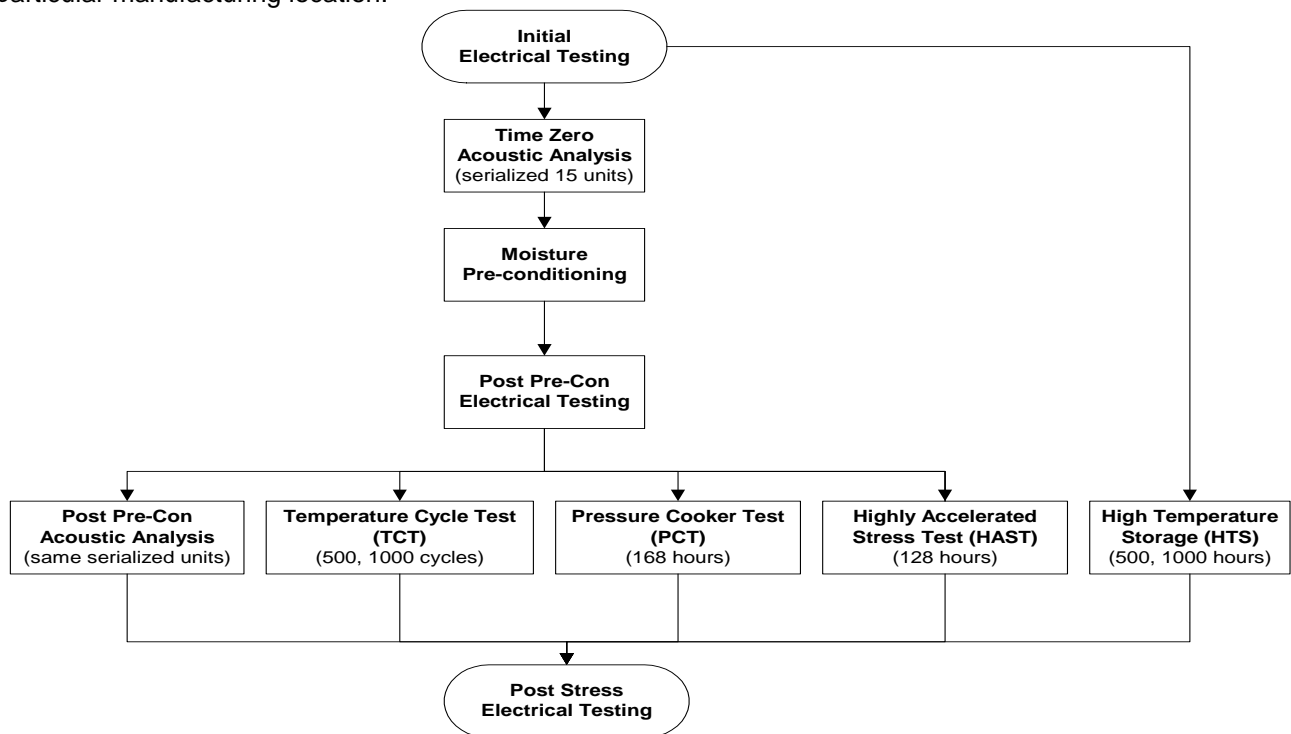


Figure 1. Cypress Package Reliability Stress Flow

3.1 PRESSURE COOKER TEST (PCT)

The Pressure Cooker Test is a highly accelerated packaging stress test used to ensure environmental durability of epoxy-packaged parts. Passivation cracks, ionic contamination, and corrosion susceptibility are all accelerated by this stress.

- Conditions** : 15 PSIG, 121°C, No bias, for a minimum of 168 hours.
- Pre-Conditioning** : 5 cycles Temperature Cycle -65/+150, 24 hr Bake 125°C, Moisture loading to qualified MSL level
- Failure Modes** : Parametric shifts, high leakage, and/or catastrophic
- Failure Mechanism** : Die corrosion or contaminants such as foreign material on or within the package materials. Poor package sealing.

Table 4. Pressure Cooker Test Failure Rate Summary

| Package | Sample Size | # Failed | Defects % | Failure Mode |
|----------------------------------|---------------|----------|--------------|--------------------|
| FBGA (0.75-0.8, 0.3mm) | 553 | 0 | 0 | None |
| FBGA (0.75-0.8, Pb-Free) | 514 | 0 | 0 | None |
| FBGA (1.0) | 742 | 5 | 0.67% | No visual defect-5 |
| VFBGA (0.75-0.8, 0.3mm) | 240 | 0 | 0 | None |
| VFBGA (0.75-0.8, 0.3mm, Pb-Free) | 2,540 | 0 | 0 | None |
| PBGA (1.27) | 320 | 0 | 0 | None |
| PDIP | 80 | 0 | 0 | None |
| PDIP (Pb-Free) | 373 | 0 | 0 | None |
| PLCC | 370 | 0 | 0 | None |
| PLCC (Pb-Free) | 420 | 0 | 0 | None |
| PQFP (Pb-Free) | 320 | 0 | 0 | None |
| QFN (COL, Saw Type, Pb-Free) | 316 | 0 | 0 | None |
| QFN (0.4mm, Saw Type, Pb-free) | 77 | 0 | 0 | None |
| QFN (Punch Type, Pb-Free) | 1,107 | 0 | 0 | None |
| QFN (Punch Type, 0.6mm, Pb-Free) | 798 | 0 | 0 | None |
| QFN (Saw Type, Pb-Free) | 387 | 0 | 0 | None |
| QFN (Saw Type, 0.6mm, Pb-Free) | 635 | 0 | 0 | None |
| QSOP (Pb-Free) | 307 | 0 | 0 | None |
| SNC (Pb-Free) | 400 | 0 | 0 | None |
| SOIC | 747 | 0 | 0 | None |
| SOIC (Pb-Free) | 2,956 | 0 | 0 | None |
| SSOP (Pb-Free) | 1,585 | 0 | 0 | None |
| SOIC (J lead) | 317 | 0 | 0 | None |
| SOIC (J lead, Pb-Free) | 890 | 0 | 0 | None |
| TQFP | 480 | 0 | 0 | None |
| TQFP (10x10) | 156 | 0 | 0 | None |
| TQFP (Pb-Free) | 1,434 | 0 | 0 | None |
| TQFP (Thermal) | 240 | 0 | 0 | None |
| TQFP (Thermal, Pb-Free) | 130 | 0 | 0 | None |
| TSOP (Pb-Free) | 853 | 0 | 0 | None |
| TSOP I (Pb-Free) | 399 | 0 | 0 | None |
| TSOP II | 160 | 0 | 0 | None |
| TSOP II (Pb-Free) | 740 | 0 | 0 | None |
| EXPOSED TSOP (Pb-free) | 80 | 0 | 0 | None |
| RTSOP | 80 | 0 | 0 | None |
| RTSOP (Pb-Free) | 80 | 0 | 0 | None |
| TSSOP | 558 | 0 | 0 | None |
| TSSOP (Pb-Free) | 1,239 | 0 | 0 | None |
| FLIPCHIP CSP (Pb-Free) | 609 | 0 | 0 | None |
| Grand Total | 24,232 | 5 | 0.02% | See above |



3.2 HIGHLY ACCELERATED STRESS TEST (HAST)

Cypress uses HAST to accelerate temperature, humidity, bias failure mechanisms. This change was necessary because our package reliability had improved to the point where the old 85°C/85% R.H. temperature-humidity-bias testing would not induce failures. Failures are necessary to judge progress and compare packaging changes. HAST testing has been shown to be at least twenty times more accelerated than 85°C/85% R.H. temperature-humidity-bias testing.

- Conditions** : Present Conditions: 130°C / 85% RH minimum power dissipation, for a minimum of 128 hours.
- Pre-Conditioning** : 5 cycles Temperature Cycle –65/+150, 24 hr Bake 125°C, Moisture loading to qualified MSL level
- Failure Modes** : Parametric shifts, high leakage, and/or catastrophic
- Failure Mechanism** : Die corrosion or contaminants such as foreign material on or within the package materials. Poor package sealing.

Table 5. Highly Accelerated Stress Test (HAST) Failure Rate Summary

| Package | Sample Size | # Failed | Defects % | Failure Mode |
|-------------------------------------|---------------|----------|--------------|--------------|
| FBGA (0.75-0.8, 0.3mm) | 627 | 0 | 0 | None |
| FBGA (0.75-0.8, 0.3mm, Pb-Free) | 640 | 0 | 0 | None |
| FBGA (1.0) | 376 | 0 | 0 | None |
| VFBGA (0.75-0.8, 0.3mm) | 74 | 0 | 0 | None |
| VFBGA (0.75-0.8, 0.3mm, Pb-Free) | 737 | 0 | 0 | None |
| PBGA (with Heat Spreader) | 79 | 0 | 0 | None |
| PDIP | 80 | 0 | 0 | None |
| PDIP (Pb-Free) | 154 | 0 | 0 | None |
| PLCC | 80 | 0 | 0 | None |
| PLCC (Pb-Free) | 356 | 0 | 0 | None |
| QFN (COL, 0.6mm, Saw Type, Pb-Free) | 435 | 0 | 0 | None |
| QFN (0.6mm, Punch Type, Pb-Free) | 687 | 0 | 0 | None |
| QFN (Punch Type, Pb-Free) | 932 | 0 | 0 | None |
| QFN (0.6mm, Saw Type, Pb-Free) | 669 | 0 | 0 | None |
| QFN (Saw Type, Pb-Free) | 157 | 0 | 0 | None |
| SNC (Pb-Free) | 320 | 0 | 0 | None |
| SOIC | 393 | 0 | 0 | None |
| SOIC (Pb-Free) | 2,212 | 0 | 0 | None |
| SSOP (Pb-Free) | 985 | 0 | 0 | None |
| SOIC (J lead) | 264 | 0 | 0 | None |
| SOIC (J lead, Pb-Free) | 394 | 0 | 0 | None |
| TQFP 10mmx10mm | 156 | 0 | 0 | None |
| TQFP | 282 | 0 | 0 | None |
| TQFP (Pb-Free) | 804 | 0 | 0 | None |
| TQFP (Thermal) | 119 | 0 | 0 | None |
| TQFP (Thermal, Pb-Free) | 92 | 0 | 0 | None |
| TSOP (Pb-Free) | 755 | 0 | 0 | None |
| TSOP I (Pb-Free) | 351 | 0 | 0 | None |
| TSOP II | 158 | 0 | 0 | None |
| TSOP II (Pb-Free) | 671 | 0 | 0 | None |
| RTSOP (Pb-Free) | 77 | 0 | 0 | None |
| TSSOP | 600 | 0 | 0 | None |
| TSSOP (Pb-Free) | 1,064 | 0 | 0 | None |
| FLIPCHIP CSP (Pb-Free) | 224 | 0 | 0 | None |
| Grand Total | 16,004 | 0 | 0.00% | None |

3.3 TEMPERATURE CYCLE TEST (TC)

Differences in thermal expansion coefficients are accentuated by cycling devices through temperature extremes. If the materials do not expand and contract equally, large stresses can develop. The Temperature Cycle test stresses mechanical integrity by exposing a device to alternating temperature extremes. Weakness and thermal expansion mismatches in die interconnections, die attach, and wire bonds are often detected with this accelerated test.

| | | |
|--------------------------|---|---|
| Condition | : | MIL-STD-883D, Method 1010, Condition B, -55°C to 125°C MIL-STD-883D, Method 1010, Condition C, -65°C to 150°C (Refer to Appendix C for derating factor calculation) |
| Pre-Conditioning | : | 5 cycles Temperature Cycle -65/+150, 24 hr Bake 125°C, Moisture loading to qualified MSL level |
| Duration | : | 500 cycles minimum at Condition C, 1000 cycles minimum at Condition B |
| Failure Mode | : | Parametric shifts and catastrophic failures |
| Failure Mechanism | : | Wire bond, cracked or lifted die and package failure. |

Table 6. Temperature Cycling Failure Rate Summary

| Package | Sample Size | # Failed | Defects % | Failure Mode |
|----------------------------------|---------------|-----------|--------------|----------------------------|
| FBGA (0.75-0.8, 0.3mm) | 1,257 | 0 | 0 | None |
| FBGA (0.75-0.8, 0.3mm, Pb-Free) | 1,259 | 0 | 0 | None |
| FBGA (1.0) | 3,076 | 0 | 0 | None |
| FBGA (1.0, Pb-Free) | 886 | 0 | 0 | None |
| VFBGA (0.75-0.8, 0.3mm) | 4,470 | 0 | 0 | None |
| VFBGA (0.75-0.8, 0.3mm, Pb-Free) | 2,798 | 0 | 0 | None |
| PBGA (1.27) | 1,117 | 0 | 0 | None |
| PBGA (1.27 Pb-Free) | 320 | 0 | 0 | None |
| PBGA (Cavity/Heatsink, Pb-Free) | 394 | 0 | 0 | None |
| PDIP | 157 | 0 | 0 | None |
| PDIP (Pb-Free) | 1,380 | 1 | 0.07% | Lifted Ball Bond-1 (Note1) |
| PLCC | 786 | 0 | 0 | None |
| PLCC (Pb-Free) | 1,026 | 1 | 0 | Cut Wedge-1 (Note2) |
| PQFP (Pb-Free) | 1,202 | 0 | 0 | None |
| QFN (Open Cavity, Pb-free) | 230 | 0 | 0 | None |
| QFN (COL, Saw Type, Pb-Free) | 1,982 | 0 | 0 | None |
| QFN (0.4mm, Saw Type, Pb-free) | 465 | 0 | 0 | None |
| QFN (Punch Type, Pb-Free) | 2,832 | 0 | 0 | None |
| QFN (Punch Type, 0.6mm, Pb-Free) | 1,210 | 1 | 0.08% | Cut Wedge-1 (Note 3) |
| QFN (Saw Type, Pb-Free) | 1,314 | 0 | 0 | None |
| QFN (Saw Type, 0.6mm, Pb-Free) | 2,498 | 0 | 0 | None |
| QSOP (Pb-Free) | 623 | 0 | 0 | None |
| SNC (Pb-Free) | 1,244 | 0 | 0 | None |
| SOIC | 1,324 | 3 | 0.23% | Die crack-1 (Note 4) |
| SOIC (Pb-Free) | 8,455 | 6 | 0.07% | Cut Wedge-6 (Note 5) |
| SSOP (Pb-Free) | 7,583 | 4 | 0.05% | Cut Wedge-4 (Note 6) |
| SOIC (J lead) | 1,093 | 0 | 0 | None |
| SOIC (J lead, Pb-Free) | 3,263 | 0 | 0 | None |
| TQFP | 4,940 | 0 | 0 | None |
| TQFP (Pb-Free) | 16,393 | 47 | 0.29% | Cut Wedge-47 (Note 7) |
| TQFP (Thermal) | 478 | 0 | 0 | None |
| TQFP (Thermal, Pb-Free) | 159 | 0 | 0 | None |
| TQFP (Exposed Pad, Pb-free) | 406 | 0 | 0 | None |
| TSOP (Pb-Free) | 2,363 | 0 | 0 | None |
| Exposed TSOP | 150 | 0 | 0 | None |
| TSOP I (Pb-Free) | 910 | 0 | 0 | None |
| TSOP II | 250 | 0 | 0 | None |
| TSOP II (Pb-Free) | 3,006 | 0 | 0 | None |
| RTSOP | 80 | 0 | 0 | None |
| RTSOP (Pb-Free) | 160 | 0 | 0 | None |
| TSSOP | 1,224 | 0 | 0 | None |
| TSSOP (Pb-Free) | 3,439 | 0 | 0 | None |
| FLIPCHIP CSP (Pb-Free) | 738 | 0 | 0 | None |
| Grand Total | 88,940 | 63 | 0.07% | See above |

- Notes: 1) CAR 200827014 – Root cause analysis in-progress.
 2) CAR 200809001 – Implement alignment & flexing test after machine conversion and standardize output elevator magazine guide.
 3) CAR 200802028 – Optimize parameter for NiPdAu and develop capillary for NiPdAu leadframe.
 4) CAR 200736002 – Improve bench board for reject validation.
 5) CAR 200824016 – Prolong close cure time duration.
 6) CAR 200820040 – Convert to Kyocera mold compound.
 7) CAR 200752014 – Root cause analysis in-progress.

3.4 HIGH TEMPERATURE STORAGE (HTS)

A high-temperature, non-biased bake test is performed to determine the effect on devices of long-term storage at elevated temperatures without any electrical stresses applied. The devices are baked without bias at either 150°C or 165°C for plastic-packaged devices. The reliability at nominal system ambient temperature is related to the failure rate at elevated temperatures through the Arrhenius equation.

Test : High Temperature Storage (HTS)
Conditions : High temperature non-biased bake
Duration : A minimum of 500 hours tested up to 1000 hours at 150°C
Failure Mode : Parametric shifts and catastrophic failures
Failure Mechanism : Lifted ball bonds due to gross intermetallic growth

Table 7. High Temperature Storage Failure Rate Summary

| Package | Sample Size | # Failed | Defects % | Failure Mode |
|-------------------------------------|---------------|----------|--------------|------------------|
| FBGA (0.75-0.8, 0.3mm) | 640 | 0 | 0 | None |
| FBGA (0.75-0.8, 0.3mm, Pb-Free) | 792 | 0 | 0 | None |
| FBGA (1.0) | 1,859 | 0 | 0 | None |
| FBGA (1.0, Pb-Free) | 80 | 0 | 0 | None |
| VFBGA (0.75-0.8, 0.3mm) | 400 | 0 | 0 | None |
| VFBGA (0.75-0.8, 0.3mm, Pb-Free) | 3,565 | 0 | 0 | None |
| PBGA (1.27) | 560 | 0 | 0 | None |
| PDIP (Pb-Free) | 717 | 0 | 0 | None |
| PLCC | 560 | 0 | 0 | None |
| PLCC (Pb-Free) | 800 | 0 | 0 | None |
| PQFP (Pb-Free) | 558 | 0 | 0 | None |
| QFN (Open Cavity, Pb-Free) | 462 | 0 | 0 | None |
| QFN (COL, 0.6mm, Saw Type, Pb-Free) | 480 | 0 | 0 | None |
| QFN (0.4mm, Saw Type, Pb-free) | 77 | 0 | 0 | None |
| QFN (Punch Type, Pb-Free) | 1,190 | 0 | 0 | None |
| QFN (0.6mm, Punch Type, Pb-Free) | 1,158 | 0 | 0 | None |
| QFN (Saw Type, Pb-Free) | 462 | 0 | 0 | None |
| QFN (0.6mm, Saw Type, Pb-Free) | 956 | 0 | 0 | None |
| QSOP (Pb-Free) | 475 | 0 | 0 | None |
| SNC (Pb-Free) | 795 | 0 | 0 | None |
| SOIC | 1,217 | 0 | 0 | None |
| SOIC (Pb-Free) | 4,699 | 0 | 0 | None |
| SSOP (Pb-Free) | 2,319 | 0 | 0 | None |
| SOIC (J lead) | 556 | 0 | 0 | None |
| SOIC (J lead, Pb-Free) | 1,517 | 0 | 0 | None |
| TQFP | 896 | 0 | 0 | None |
| TQFP (10x10) | 240 | 0 | 0 | None |
| TQFP (Pb-Free) | 3,386 | 0 | 0 | None |
| TQFP (Thermal) | 80 | 0 | 0 | None |
| TSOP (Pb-Free) | 1,301 | 0 | 0 | None |
| TSOP I (Pb-Free) | 879 | 0 | 0 | None |
| TSOP II | 240 | 0 | 0 | None |
| TSOP II (Pb-Free) | 1,597 | 0 | 0 | None |
| EXPOSED TSOP (Pb-Free) | 160 | 0 | 0 | None |
| RTSOP | 80 | 0 | 0 | None |
| RTSOP (Pb-Free) | 80 | 0 | 0 | None |
| TSSOP | 1,118 | 0 | 0 | None |
| TSSOP (Pb-Free) | 1,337 | 0 | 0 | None |
| Grand Total | 38,288 | 0 | 0.00% | See above |

APPENDIX A: FAILURE RATE CALCULATION

Thermal Acceleration Factors

Acceleration factors (AF) for thermal stresses (Early Failure Rate, Latent Failure Rate, Data Retention and High Temperature Storage) are calculated from the Arrhenius equation)

$$AF = \exp \left(\frac{E_a}{k} \left(\frac{1}{T_u} - \frac{1}{T_t} \right) \right)$$

where :

E_a = Activation Energy of the defect mechanism

K = Boltzmann's constant = 8.62×10^{-5} eV/Kelvin

T_t is the junction temperature of the device under stress

T_u is the junction temperature of the device at use conditions

While there is no substitute for experimentally determining the activation energy, obtaining this information is very difficult because few devices fail stress tests. In the absence of experimental data, the following literature values are used.

APPENDIX A: FAILURE RATE CALCULATION (cont.)

Temperature-Humidity Acceleration Factors

Cypress estimates acceleration factors for temperature-humidity stresses (Pressure Cooker Test and Highly Accelerated Stress Test) from a model developed by Hallberg and Peck ("Quality and Reliability Engineering International". Vol. 7, 1991).

$$AF = \left(\frac{RH_t}{RH_u} \right)^{-3} \exp \frac{E_a}{k} \left(\left(\frac{1}{T_u} - \frac{1}{T_t} \right) \right)$$

where :

T_u = use environment junction temperature (°K)
 T_t = test environment junction temperature (°K)
 E_a = failure mechanism activation energy (0.9 for corrosion)
 k = Boltzman's Constant (8.62×10^{-5} eV/°Kelvin)
 RH_u = use environment relative humidity
 RH_t = test environment relative humidity
 AF = acceleration factor

The Hallberg and Peck model requires the stress junction temperature and relative humidity as well as the use temperature and relative humidity. To estimate the use relative humidity, we assume that the device room temperature is 35 °C (95 °F) and the room relative humidity is 100%. From any Handbook of Chemistry and Physics, the vapor pressure of water VP (water) at 35 °C is 41.175 mm Hg. If we assume that the device will operate with a junction temperature of 70 °C (VP (water) at 70 °C is 233.7 mm Hg), the junction relative humidity (RHj) is

$$RHj = 100\% \left(\frac{41.175}{233.7} \right) = 17.6\%$$

The operating conditions of the devices are then 70 °C and 17.6% relative humidity.

Our Pressure Cooker Test (PCT) submits the devices to a temperature of 121 °C and 100% relative humidity. Using the Hallberg and Peck model, the acceleration factor for the PCT stress can be calculated:

$$AF = \left(\frac{17.6}{100} \right)^{-3} \exp \frac{0.9}{k} \left(\left(\frac{1}{343} - \frac{1}{394} \right) \right) = 9,433$$

APPENDIX A: FAILURE RATE CALCULATION (cont.)

The acceleration factor for HAST is calculated similarly, except that junction temperature heating effects must be included when estimating the relative humidity at the die surface. Assuming an average junction temperature rise of 5°C, the relative humidity at the die surface during 130 C HAST testing can be calculated.

$$VP (130^{\circ}C) = 2026.10 \text{ mm Hg}$$

$$VP (135^{\circ}C) = 2347.26 \text{ mm Hg}$$

$$RH_j = 85\% \left(\frac{2026.10}{2347.26} \right) = 73.4\%$$

$$AF = \left(\frac{17.6}{73.4} \right)^{-3} \exp \frac{0.9}{k} \left[\left(\frac{1}{343} - \frac{1}{408} \right) \right] = 9,261$$

Similarly, for 140°C HAST testing,

$$VP (140^{\circ}C) = 2710.92 \text{ mm Hg}$$

$$VP (145^{\circ}C) = 3116.76 \text{ mm Hg}$$

$$RH_j = 85\% \left(\frac{2710.92}{3116.76} \right) = 73.9\%$$

$$AF = \left(\frac{17.6}{73.9} \right)^{-3} \exp \frac{0.9}{k} \left[\left(\frac{1}{343} - \frac{1}{418} \right) \right] = 17,433$$



APPENDIX A: FAILURE RATE CALCULATION (cont.)

Failure Rate Calculation

For all but LFR test, Cypress reports the failure rate in terms of ppm. Early life reliability is reported in terms of ppm defective expected during the first year of use under typical use conditions. No upper confidence bound will be used for this estimate. The ppm defective is the ratio of the number of rejects to the number of samples and expressed in ppm.

$$PPM = \left(\frac{\text{Total Rejects}}{\text{Total Samples}} \right) \times 1,000,000$$

Intrinsic, or later life reliability, shall be reported using the exponential model, in terms of FITs, with a 60% upper confidence bound for 0 failures or the demonstrated FIT estimate in the case there are failures.

$$FR (FIT) = \chi^2_{\alpha, 2n+2} / (2 * AF * Device Hours) * 10^9$$

where:

$\chi^2_{\alpha, 2n+2}$ = Chi square factor for $2n + 2$ degrees of freedom at 60% confidence level.

n = number of failure.

AF = Thermal Acceleration factor and is calculated per Arrhenius equation assuming a 0.7eV activation energy.

Voltage acceleration factor is not included in failure rate calculation even though voltage acceleration may be used during stress. Typical use conditions shall be considered to be 55°C ambient with a 15°C temperature rise at the junction. Thus, use junction temperature is 70°C.

APPENDIX B: TEMPERATURE CYCLING STRESS MODELS

Two acceleration factor (AF) models are used to model temperature cycle failures. The model proposed by Zelenka [1] and others uses the epoxy molding temperature ($T_{\text{mold}} = 170 \text{ }^\circ\text{C}$) and the minimum temperature reached during temperature cycling, (T_{min}).

$$AF_{\text{brittle}} = \left(\frac{T_{\text{mold}} - T_{\text{min, stress}}}{T_{\text{mold}} - T_{\text{min}}} \right)^m$$

The model constant, m , is experimentally calculated for each failure mechanism. The acceleration factor is labeled 'brittle' because the derivation of this equation assumes brittle fracture mechanics. Basically, the model assumed that cracks advance a little every time the maximum stress is reached. The maximum stress is assumed to be proportional to the difference in temperature between the minimum and maximum stress temperatures. For plastic-encapsulated devices, the stress is minimum during molding, (T_{mold}), and maximum during the lowest temperature reached during temperature cycling, (T_{min}).

The model constant, m , is a function of the failure mechanism.

| | |
|------------------------------------|----------------------------------|
| Thin film cracking | $m = 12$ (Blish and Vaney [2]) |
| Al/Au Intermetallic fractures | $m = 4$ |
| Chip-out (cratering) bond failures | $m = 7$ (Dunn and McPherson [3]) |

For ductile materials, dislocation movement dominates the fracture mechanics and a different model is used.

The second, and most widely accepted model, uses the difference between the minimum and maximum temperatures during temperature cycle testing (T_{min} and T_{max}) to calculate an acceleration factor.

$$AF_{\text{ductile}} = \left(\frac{T_{\text{max, stress}} - T_{\text{min, stress}}}{T_{\text{max, use}} - T_{\text{min, use}}} \right)^m$$

The model constant, 'm', is again experimentally calculated for each failure mechanism.

Coffin and Manson [4] developed this model from empirical observations of metal fatigue. In ductile materials, if the applied stress is high enough, dislocations are produced. At the high temperature condition of the temperature cycling stress, dislocations are forced towards one metal surface. At the low temperature, the dislocations try to glide back to their original position, but many cannot because they became entangled with other dislocations. After many cycles, these tangles grow until cracking, and finally failure, occurs. Both minimum and maximum temperatures are important, because both contribute to dislocation movement and entanglement. This model is recommended for any failures involving ductile materials. Model constants for ductile failure follow.

| | |
|-------------------|--------------------------------------|
| Wirebond breakage | $m = 5.16$ (Cypress experimentation) |
| Solder Fatigue | $m = 2$ (Blish and Vaney [2]) |



APPENDIX B: TEMPERATURE CYCLING STRESS MODELS (cont.)

Our commercial devices are specified to operate between 0°C and 70 °C. Using this information, the acceleration factor, AF, between use and Military Condition C stress testing (-65°C to 150°C), for the brittle, thin film cracking failure mechanism and ductile, wire bond breakage failure mechanism can be calculated.

$$\text{AF brittle} = \left(\frac{170 - (-65)}{170 - 0} \right)^{12} = 49$$

$$\text{AF ductile} = \left(\frac{150 - (-65)}{70 - 0} \right)^{5.16} = 327$$

References:

- [1] R.L. Zelenka, IEEE/IRPS, pp. 30-34, 1991
- [2] R.C. Blish and P.R. Vaney, IEEE/IRPS, pp 22-29, 1991
- [3] C.F. Dunn and J.W. McPherson, IEEE/IRPS, pp 252-258, 1990
- [4] S.S. Manson, thermal Stress and Low-Cycle Fatigue, (Robert Krieger : Malabar, Florida), 1981.

APPENDIX C: EQUIVALENCE OF DIFFERENT STRESS TEST CONDITIONS

During stress testing, more than one set of test conditions were used. To account for this difference, stress test hours or cycles at the lower stress condition were derated and then added to the total for the most severe stress test condition.

Dynamic (HTOL)

HTOL (EFR/LFR) test is performed at 150 °C and 125 °C. Using the Arrhenius equation (Appendix A) and an activation energy of 0.7 eV, the derating factor, DF, between 125°C and 150 °C can be calculated.

$$DF \text{ (between 125C and 150C)} = \exp \left(\frac{0.6}{k} \left(\frac{1}{150 + 15 + 273} - \frac{1}{125 + 15 + 273} \right) \right) = 0.326$$

The derating calculation assumes a 15 °C rise due to junction heating.

Temperature Cycling

Two different temperature cycling conditions were used to measure reliability, -65°C to 150°C and -55°C to 125°C. Using the brittle failure mechanism model with $m = 12$, the derating factor between -65°C to 150°C and -55°C to 125°C is calculated.

$$DF = \left(\frac{170 - (-55)}{170 - (-65)} \right)^{12} = 1.685$$

Using the ductile failure mechanism model with $m = 5.16$, the derating factor between -65°C to 150°C and -55°C to 125°C is obtained.

$$DF = \left(\frac{125 - (-55)}{150 - (-65)} \right)^{5.16} = 2.501$$

HAST

The derating factor between two HAST conditions, 140 °C / 85%RH and 130 °C / 85% RH is simply the ratio of the acceleration factors (See Appendix A)

$$DF = \frac{9,261}{17,433} = 0.531$$



APPENDIX D: RELIABILITY DATA

Summary Detail -- EFR Performance Over Time

From: 7/2/2007

To: 6/29/2008

| Technology | Division | EvalNum | TV | MKTG_DEVICE | Temp | Volt | Readout | Duration | SS | Rejects | FA | Results |
|---|----------|----------|--------|---------------------|------|------|---------|----------|------------|----------|----|---------|
| B53 | DCD | MR081073 | R1 | CY7B993V-5AC | 125 | 4 | 96 | 96 | 300 | 0 | | |
| | DCD | MR081052 | R1 | CY7B994V-2AXI | 125 | 4.2 | 96 | 96 | 299 | 0 | | |
| Summary for Technology = B53 (2 records) | | | | | | | | | 599 | 0 | | |
| Sum | | | | | | | | | | | | |
| C8 | DCD | 72404 | R1A | CYWB0124AB-BVXI | 125 | 3.8 | 96 | 96 | 427 | 0 | | |
| | DCD | 81206 | R1 | CYWB0226ABS-BVXIIES | 125 | 3.8 | 96 | 96 | 123 | 0 | | |
| | DCD | 81206 | R1 | CYWB0226ABS-BVXIIES | 125 | 3.8 | 96 | 96 | 583 | 0 | | |
| | DCD | 81206 | R1 | CYWB0226ABS-BVXIIES | 125 | 3.8 | 96 | 96 | 586 | 0 | | |
| | DCD | 81206 | R1 | CYWB0226ABS-BVXIIES | 125 | 3.8 | 96 | 96 | 433 | 0 | | |
| | DCD | 81206 | R1 | CYWB0226ABS-BVXIIES | 125 | 3.8 | 96 | 96 | 583 | 0 | | |
| | DCD | 81206 | R2 | CYWB0226ABS-BVXI | 125 | 3.8 | 96 | 96 | 138 | 0 | | |
| | DCD | 81206 | R2 | CYWB0226ABS-BVXI | 125 | 3.8 | 96 | 96 | 581 | 0 | | |
| | CCD | MR081075 | R1 | 7A65630CC-LLYAB | 125 | 3.8 | 72 | 72 | 3 | 0 | | |
| | CCD | MR081075 | R1A | 7A65630CC-LLYAB | 125 | 3.8 | 72 | 72 | 28 | 0 | | |
| | CCD | MR081075 | R2 | 7A65630CC-LLYAB | 125 | 3.3 | 72 | 72 | 55 | 0 | | |
| | CCD | MR081075 | R2A | 7A65630CC-LLYAB | 125 | 3.3 | 72 | 72 | 78 | 0 | | |
| | CCD | MR081075 | R3 | 7A65630CC-LLYAB | 125 | 3.3 | 72 | 72 | 29 | 0 | | |
| | CCD | MR081075 | R4 | 7A65630CC-LLYAB | 125 | 3.3 | 72 | 72 | 61 | 0 | | |
| | CCD | 65105 | R5 | CY7C68013A-56PVXCT | 125 | 3.8 | 120 | 120 | 216 | 0 | | |
| | CCD | 65105 | R5(1) | CY7C68013A-56PVXCT | 125 | 3.8 | 96 | 96 | 585 | 0 | | |
| | CCD | 65105 | R5(2) | CY7C68013A-56PVXCT | 125 | 3.8 | 144 | 144 | 587 | 0 | | |
| | CCD | 65105 | R5(3) | CY7C68013A-56PVXCT | 125 | 3.8 | 120 | 120 | 157 | 0 | | |
| | CCD | 65105 | R6(3) | CY7C68013-56PVXCT | 125 | 3.8 | 120 | 120 | 200 | 0 | | |
| | CCD | 65201 | R2A | CY7C68053-PVXI | 150 | 3.8 | 48 | 48 | 348 | 0 | | |
| | CCD | 65201 | R3A | CY7C68053-56PVC | 150 | 3.8 | 48 | 48 | 340 | 0 | | |
| | CCD | 70901 | R1A | CY7C65630-56LFXC | 125 | 3.8 | 48 | 48 | 290 | 0 | | |
| | CCD | 70901 | R1B | CY7C65630-56LFXC | 125 | 3.8 | 48 | 48 | 867 | 0 | | |
| | CCD | 70901 | R1E | CY7C65630-56LFXC | 125 | 3.8 | 48 | 48 | 30 | 0 | | |
| | CCD | 70901 | R1G | CY7C65630-56LFXC | 125 | 3.8 | 48 | 48 | 190 | 0 | | |
| | CCD | 70901 | R1H | CY7C65630-56LFXC | 125 | 3.8 | 48 | 48 | 40 | 0 | | |
| | CCD | 70901 | R2B | CY7C65630-56LFXC | 125 | 3.8 | 48 | 48 | 127 | 0 | | |
| | CCD | 70901 | R2C | CY7C65630-56LFXC | 125 | 3.8 | 48 | 48 | 869 | 0 | | |
| | CCD | 70901 | R2E | CY7C65630-56LFXC | 125 | 3.8 | 48 | 48 | 194 | 0 | | |
| | CCD | 70901 | R2F | CY7C65630-56LFXC | 125 | 3.8 | 48 | 48 | 153 | 0 | | |
| | CCD | 70901 | R2G | CY7C65630-56LFXC | 125 | 3.8 | 48 | 48 | 280 | 0 | | |
| | CCD | 70901 | R2H | CY7C65630-56LFXC | 125 | 3.8 | 48 | 48 | 870 | 0 | | |
| | CCD | 70901 | R3A | CY7C65630-56LFXC | 125 | 3.8 | 48 | 48 | 862 | 0 | | |
| | CCD | 70901 | R3B | CY7C65630-56LFXC | 125 | 3.8 | 48 | 48 | 84 | 0 | | |
| | DCD | 71005 | R1C | CYWB0224ABS-BVXIIES | 125 | 2.5 | 96 | 96 | 428 | 0 | | |
| | DCD | 71005 | R1D | CYWB0224ABM-BVXIIES | 125 | 2.5 | 96 | 96 | 204 | 0 | | |
| | DCD | 71005 | R1E | CYWB0224ABS-BVXIIES | 125 | 2.5 | 168 | 168 | 147 | 0 | | |
| | DCD | 71005 | R1E | CYWB0224ABS-BVXIIES | 125 | 2.5 | 168 | 168 | 272 | 0 | | |
| | DCD | 71005 | R1F | CYWB0224ABM-BVXIIES | 125 | 2.5 | 96 | 96 | 100 | 0 | | |
| | DCD | 71005 | R1F | CYWB0224ABM-BVXIIES | 125 | 2.5 | 96 | 96 | 329 | 0 | | |
| | DCD | 72103 | R2 | CY7C68003-24LQXIEST | 150 | 2.07 | 48 | 48 | 246 | 0 | | |
| | DCD | 72103 | R2A | CY7C68003-24LQXI | 150 | 2.07 | 48 | 48 | 57 | 0 | | |
| | DCD | 72103 | R2A(1) | CY7C68003-24LQXI | 150 | 2.07 | 48 | 48 | 244 | 0 | | |
| | DCD | 72103 | R2A(2) | CY7C68003-24LQXI | 150 | 2.07 | 48 | 48 | 244 | 0 | | |

| | | | | | | | | | |
|-----|----------|--------|-------------------|-----|------|-----|-----|-----|---|
| DCD | 72103 | R2A(2) | CY7C68003-24LQXI | 150 | 2.07 | 48 | 48 | 244 | 0 |
| DCD | 72103 | R2A(3) | CY7C68003-24LQXI | 150 | 2.07 | 48 | 48 | 204 | 0 |
| DCD | 72103 | R2A(4) | CY7C68003-24LQXI | 150 | 2.07 | 48 | 48 | 9 | 0 |
| DCD | 72207 | R1A | CYWB0124ABX-FDXIT | 125 | 3.8 | 96 | 96 | 106 | 0 |
| DCD | 72207 | R1A(1) | CYWB0124ABX-FDXIT | 125 | 3.8 | 96 | 96 | 105 | 0 |
| DCD | 72207 | R1A(2) | CYWB0124ABX-FDXIT | 125 | 3.8 | 96 | 96 | 105 | 0 |
| DCD | 72207 | R1A(3) | CYWB0124ABX-FDXIT | 125 | 3.8 | 96 | 96 | 106 | 0 |
| DCD | 72207 | R2(3) | CYWB0124ABX-FDXIT | 125 | 3.8 | 96 | 96 | 106 | 0 |
| DCD | 72207 | R2(4) | CYWB0124ABX-FDXIT | 125 | 3.8 | 96 | 96 | 26 | 0 |
| DCD | 72207 | R3 | CYWB0124ABX-FDXIT | 125 | 3.8 | 96 | 96 | 127 | 0 |
| DCD | 72207 | R3(2) | CYWB0124ABX-FDXIT | 125 | 3.8 | 96 | 96 | 129 | 0 |
| DCD | 72207 | R3(3) | CYWB0124ABX-FDXIT | 125 | 3.8 | 96 | 96 | 39 | 0 |
| DCD | 72404 | R1 | CYWB0124AB-BVXI | 125 | 3.8 | 96 | 96 | 390 | 0 |
| DCD | 72404 | R2A | CYWB0124AB-BVXI | 125 | 3.8 | 96 | 96 | 159 | 0 |
| DCD | 72404 | R2A | CYWB0124AB-BVXI | 125 | 3.8 | 96 | 96 | 109 | 0 |
| DCD | 72404 | R2B | CYWB0124AB-BVXI | 125 | 3.8 | 96 | 96 | 162 | 0 |
| DCD | 72404 | R2B | CYWB0124AB-BVXI | 125 | 3.8 | 96 | 96 | 108 | 0 |
| DCD | 72404 | R2C | CYWB0124AB-BVXI | 125 | 3.8 | 96 | 96 | 109 | 0 |
| DCD | 72404 | R2C | CYWB0124AB-BVXI | 125 | 3.8 | 96 | 96 | 160 | 0 |
| DCD | 72404 | R3A | CYWB0124AB-BVXI | 125 | 3.8 | 96 | 96 | 161 | 0 |
| DCD | 72404 | R3A | CYWB0124AB-BVXI | 125 | 3.8 | 96 | 96 | 109 | 0 |
| DCD | 72404 | R3B | CYWB0124AB-BVXI | 125 | 3.8 | 96 | 96 | 162 | 0 |
| DCD | 72404 | R3B | CYWB0124AB-BVXI | 125 | 3.8 | 96 | 96 | 108 | 0 |
| DCD | 72404 | R3C | CYWB0124AB-BVXI | 125 | 3.8 | 96 | 96 | 161 | 0 |
| DCD | 72404 | R3C | CYWB0124AB-BVXI | 125 | 3.8 | 96 | 96 | 27 | 0 |
| DCD | 72404 | R3C | CYWB0124AB-BVXI | 125 | 3.8 | 96 | 96 | 82 | 0 |
| DCD | 80604 | R1 | CYWB0124AB-BVXI | 125 | 2.5 | 96 | 96 | 531 | 0 |
| DCD | 80604 | R1 | CYWB0124AB-BVXI | 125 | 2.5 | 96 | 96 | 388 | 0 |
| DCD | 80604 | R1 | CYWB0124AB-BVXI | 125 | 2.5 | 120 | 120 | 192 | 0 |
| DCD | 80604 | R1 | CYWB0124AB-BVXI | 125 | 2.5 | 120 | 120 | 395 | 0 |
| CCD | MR073060 | R1 | CY7C65630-56LFXC | 125 | 3.8 | 110 | 110 | 294 | 0 |
| CCD | MR074065 | R1 | CY7C68013A-56PVXC | 125 | 3.8 | 96 | 96 | 300 | 0 |
| CCD | MR081056 | R1 | CY7C68300C-56PVXC | 125 | 3.8 | 96 | 96 | 300 | 0 |

Summary for Technology = C8 (77 records)

Sum 18,981 0

| | | | | | | | | | | |
|----|-----|----------|-----|---------------------|-----|------|----|----|------|---|
| C9 | MID | 80305 | R1A | CY7C1041DV33 | 150 | 3.77 | 48 | 48 | 5306 | 0 |
| | MID | 80602 | R6A | CY7C1061DV33 | 125 | 0 | 96 | 96 | 918 | 0 |
| | MID | 80602 | R6B | CY7C1061DV33 | 125 | 0 | 96 | 96 | 217 | 0 |
| | MID | 80602 | R6C | CY7C1061DV33 | 125 | 0 | 96 | 96 | 444 | 0 |
| | MID | 82106 | R1 | CY7C1021DV33 | 150 | 3.7 | 48 | 48 | 3910 | 0 |
| | MID | 82106 | R2 | CY7C1021DV33 | 150 | 3.7 | 48 | 48 | 3921 | 0 |
| | MID | 82106 | R3 | CY7C1021DV33 | 150 | 3.7 | 48 | 48 | 3937 | 1 |
| | MID | 82107 | R1A | 7C1341NC-RZWIB | 150 | 4.5 | 48 | 48 | 1393 | 0 |
| | MID | 82107 | R1B | 7C1341NC-RZWIB | 150 | 4.5 | 48 | 48 | 1387 | 0 |
| | MID | 82107 | R1C | 7C1341NC-RZWIB | 150 | 4.5 | 48 | 48 | 1389 | 0 |
| | MID | 82107 | R2A | 7C1341NC-RZWI | 150 | 4.5 | 48 | 48 | 1293 | 0 |
| | MID | 82107 | R2B | 7C1341NC-RZWI | 150 | 4.5 | 48 | 48 | 1292 | 0 |
| | MID | 82107 | R2C | 7C1341NC-RZWI | 150 | 4.5 | 48 | 48 | 1232 | 0 |
| | MID | 82107 | R3A | 7C1341NC-RZWI | 150 | 4.5 | 48 | 48 | 1350 | 0 |
| | MID | 82107 | R3B | 7C1341NC-RZWI | 150 | 4.5 | 48 | 48 | 1334 | 0 |
| | MID | 82107 | R3C | 7C1341NC-RZWI | 150 | 4.5 | 48 | 48 | 1375 | 0 |
| | MID | MR082045 | R1 | CY7C1021DV30-10ZSXI | 150 | 3.77 | 48 | 48 | 999 | 0 |
| | MID | MR082045 | R2 | CY7C1021DV30-10ZSXI | 150 | 3.77 | 48 | 48 | 999 | 0 |
| | MID | MR082045 | R3 | CY7C1021DV33-10ZSXI | 150 | 3.77 | 48 | 48 | 6748 | 0 |
| | MID | MR082045 | R3A | CY7C1021DV33-10ZSXI | 150 | 3.77 | 48 | 48 | 6748 | 0 |
| | MID | MR082045 | R4 | CY7C1021DV33-10ZS | 150 | 3.77 | 48 | 48 | 5389 | 1 |
| | MID | 80305 | R1C | CY7C1041DV33 | 150 | 3.77 | 48 | 48 | 2072 | 0 |
| | MID | 80603 | R1A | CY7C1021DV33 | 150 | 3.77 | 48 | 48 | 3923 | 0 |
| | MID | 80603 | R1B | CY7C1021DV33 | 150 | 3.77 | 48 | 48 | 3904 | 2 |

082106-3E1 No physical anomaly

MR082045-4E1 No physical anomaly

080603- LITR short

| | | | | | | | | | | 1B1E | |
|---|----------|----------|---------------------|---------------------|------|------|-----|----------------|-----------|---------|-----------------------------|
| MID | 80603 | R1C | CY7C1021DV33 | 150 | 3.77 | 48 | 48 | 3893 | 0 | | |
| MID | MR072014 | R1 | CY7C1041DV33-10ZSXI | 150 | 3.77 | 48 | 48 | 3304 | 1 | BMJ-251 | GF (1 Single Bit) |
| MID | MR072014 | R2 | CY7C1041DV33-10ZSXI | 150 | 3.77 | 48 | 48 | 4052 | 2 | BMJ-251 | GF (1 Single Bit, 1 Column) |
| MID | MR072014 | R3 | CY7C1041DV33-10ZSXI | 150 | 3.77 | 48 | 48 | 2551 | 0 | | |
| MID | MR073053 | R1 | CG6719AM | 150 | 3.77 | 48 | 48 | 2375 | 0 | | |
| MID | MR073053 | R2 | CG6719AM | 150 | 3.77 | 48 | 48 | 7367 | 1 | | x8 Row |
| MID | MR074064 | R1 | CY7C1041DV33-10ZSXI | 150 | 3.77 | 96 | 96 | 3467 | 0 | | |
| MID | MR074064 | R2 | CY7C1041DV33-10ZSXI | 125 | 3.77 | 96 | 96 | 3111 | 1 | BMJ-251 | GF (1 Partial column) |
| MID | MR074064 | R3 | CY7C1041DV33-10ZSXI | 125 | 3.77 | 96 | 96 | 3201 | 0 | | |
| MID | MR081057 | R1 | CY7C1021DV33-10ZXI | 150 | 3.77 | 48 | 48 | 4006 | 0 | | |
| MID | MR081057 | R2 | CY7C1021DV33-10ZXI | 150 | 3.77 | 48 | 48 | 4013 | 0 | | |
| MID | MR081057 | R3 | CY7C1021DV33-10ZXI | 150 | 3.77 | 48 | 48 | 3876 | 0 | | |
| MID | MR081057 | R4 | CY7C1021DV33-10ZXI | 150 | 3.77 | 48 | 48 | 4040 | 1 | TUZ-134 | Leakage |
| MID | MR081057 | R5 | CY7C1021DV33-10ZXI | 150 | 3.77 | 48 | 48 | 4016 | 0 | | |
| MID | MR081057 | R6 | CY7C1021DV33-10ZXI | 150 | 3.77 | 48 | 48 | 4012 | 0 | | |
| Summary for Technology = C9 (39 records) | | | | | | | | | | | |
| Sum | | | | | | | | 118,764 | 10 | | |
| Summary for Technology = CMOS2AN (0 record) | | | | | | | | | | | |
| Sum | | | | | | | | 0 | 0 | | |
| Summary for Technology = L28 (1 record) | | | | | | | | | | | |
| L28 | DCD | MR082039 | R1 | CY2292FZX | 150 | 3.8 | 48 | 298 | 0 | | |
| Sum | | | | | | | | 298 | 0 | | |
| L8 | DCD | 72401 | R2 | CY2546C | 150 | 2.07 | 48 | 539 | 0 | | |
| | DCD | 72401 | R2(1) | CY2546C | 150 | 2.07 | 48 | 539 | 0 | | |
| | DCD | 72401 | R2A | CY2544C | 150 | 3.8 | 48 | 404 | 0 | | |
| | DCD | 72401 | R2A(1) | CY2544C | 150 | 3.8 | 48 | 404 | 0 | | |
| | DCD | 72401 | R2A(2) | CY2544C | 150 | 3.8 | 48 | 295 | 0 | | |
| Summary for Technology = L8 (5 records) | | | | | | | | | | | |
| Sum | | | | | | | | 2,181 | 0 | | |
| P26 | CCD | MR073062 | R1 | CY7C63723-PXC | 150 | 5.5 | 48 | 299 | 0 | | |
| Summary for Technology = P26 (1 record) | | | | | | | | | | | |
| Sum | | | | | | | | 299 | 0 | | |
| Summary for Technology = PROM20NX (0 record) | | | | | | | | | | | |
| Sum | | | | | | | | 0 | 0 | | |
| Summary for Technology = PROMOS S12 (0 record) | | | | | | | | | | | |
| Sum | | | | | | | | 0 | 0 | | |
| Summary for Technology = R42 (0 record) | | | | | | | | | | | |
| Sum | | | | | | | | 0 | 0 | | |
| R5 | MID | 80803 | R1 | CY2305CSXI-1H | 150 | 3.8 | 24 | 3597 | 0 | | |
| | MID | 80803 | R4 | CY2305CSXI-1H | 150 | 3.8 | 24 | 1939 | 0 | | |
| | MID | 80803 | R4A | CY2305CSXI-1H | 150 | 3.8 | 24 | 1936 | 0 | | |
| | MID | 80803 | R5 | CY2305CSXA-1H | 150 | 3.8 | 24 | 4000 | 0 | | |
| | CCD | MR081076 | R1 | 7A67300AC-RAZAB | 150 | 3.8 | 36 | 25 | 0 | | |
| | CCD | MR081076 | R3 | 7A67300AC-RAZAB | 150 | 3.3 | 36 | 4 | 0 | | |
| | CCD | MR081024 | R1 | CY7C67300-100AXI | 150 | 3.8 | 48 | 298 | 0 | | |
| Summary for Technology = R5 (7 records) | | | | | | | | | | | |
| Sum | | | | | | | | 11,799 | 0 | | |
| R7 | MID | MR081023 | R1 | CY62137CVSL-70BAIT | 125 | 3.8 | 96 | 299 | 0 | | |
| Summary for Technology = R7 (1 record) | | | | | | | | | | | |
| Sum | | | | | | | | 299 | 0 | | |
| R8 | MID | 63901 | R3 | CY62167DV30LL | 125 | 2.4 | 96 | 996 | 0 | | |
| | MID | MR082052 | R1 | CY62167DV30LL-55BVI | 125 | 2.4 | 96 | 299 | 0 | | |
| | MID | 70903 | R3 | CY62167DV30LL | 125 | 2.4 | 96 | 668 | 0 | | |
| | MID | 73303 | R1 | CY62167DV30LL | 125 | 2.4 | 96 | 3168 | 0 | | |
| | MID | MR073037 | R1 | CY62167DV30LL-55BVI | 125 | 2.4 | 120 | 299 | 0 | | |
| | MID | MR074063 | R1 | CY62167DV30LL-70BVI | 125 | 2.4 | 96 | 299 | 0 | | |
| | MID | MR081061 | R1 | CY62167DV30LL-55BVI | 125 | 1.9 | 96 | 300 | 0 | | |
| Summary for Technology = R8 (7 records) | | | | | | | | | | | |

| | | | | | | | | | | |
|---|-----|----------|--------|----------------------|-----|------|-----|-----|---------------|----------|
| Sum | | | | | | | | | 6,029 | 0 |
| R9 | MID | MR082068 | R1 | CY7C1347G-133AXC | 150 | 2.25 | 48 | 48 | 300 | 0 |
| | MID | 71211 | R3 | CY7C1512V18 | 125 | 2.25 | 96 | 96 | 884 | 0 |
| | MID | 71211 | R4 | CY7C1512V18 | 125 | 2.25 | 96 | 96 | 492 | 0 |
| | MID | 72106 | R1A | CY7C1370 | 150 | 2.7 | 48 | 48 | 3,303 | 0 |
| | MID | 72501 | R5 | CY7C1565AC | 125 | 2.25 | 48 | 48 | 1,499 | 0 |
| | MID | 72501 | R6 | CY7C1520 | 125 | 2.25 | 48 | 48 | 550 | 0 |
| | MID | 74601 | R3 | CY7C1563V18-400BZC | 125 | 2.7 | 96 | 96 | 713 | 0 |
| | MID | 74601 | R4 | CY7C1563V18-400BZC | 125 | 2.7 | 96 | 96 | 1348 | 0 |
| | MID | MR063094 | R1 | CY7C1354CV25-166AXC | 150 | 2.88 | 48 | 48 | 3,475 | 0 |
| | MID | MR074038 | R2 | 7C1370EC-RAZCB | 150 | 2.7 | 12 | 12 | 3297 | 0 |
| | MID | MR074038 | R2 | 7C1370EC-RAZCB | 150 | 2.7 | 24 | 24 | 3295 | 0 |
| | MID | MR074038 | R2 | 7C1370EC-RAZCB | 150 | 2.7 | 36 | 36 | 3290 | 0 |
| | MID | MR074038 | R2 | 7C1370EC-RAZCB | 150 | 2.7 | 48 | 48 | 3286 | 0 |
| | MID | MR074038 | R2 | 7C1370EC-RAZCB | 150 | 2.7 | 96 | 96 | 3281 | 0 |
| | MID | MR074038 | R3 | 7C1370EC-RAZCB | 150 | 2.7 | 12 | 12 | 3255 | 0 |
| | MID | MR074038 | R3 | 7C1370EC-RAZCB | 150 | 2.7 | 24 | 24 | 3251 | 0 |
| | MID | MR074038 | R3 | 7C1370EC-RAZCB | 150 | 2.7 | 36 | 36 | 3245 | 0 |
| | MID | MR074038 | R3 | 7C1370EC-RAZCB | 150 | 2.7 | 48 | 48 | 3242 | 0 |
| | MID | MR074038 | R3 | 7C1370EC-RAZCB | 150 | 2.7 | 96 | 96 | 3237 | 0 |
| | MID | MR074070 | R1 | CY7C1347G-133AXC | 150 | 2.25 | 48 | 48 | 300 | 0 |
| Summary for Technology = R9 (20 records) | | | | | | | | | | |
| Sum | | | | | | | | | 45,543 | 0 |
| R95 | MID | 54911 | R2B | CY62157ELL | 150 | 1.85 | 48 | 48 | 1,030 | 0 |
| | MID | MR082051 | R1 | CY62128EV30LL-45ZXI | 125 | 1.85 | 144 | 144 | 674 | 0 |
| | MID | 71103 | R2B | CY62157ELL | 125 | 1.85 | 48 | 48 | 1,535 | 0 |
| | MPD | 72905 | R1 | CY62167EV30LL-45BVXI | 125 | 1.85 | 96 | 96 | 1,970 | 0 |
| | MPD | 72905 | R2 | CY62167EV30LL-45BVXI | 125 | 1.85 | 96 | 96 | 1,987 | 0 |
| | MPD | 72905 | R3 | CY62167EV30LL-45BVXI | 125 | 1.85 | 96 | 96 | 2,215 | 0 |
| | MID | MR074009 | R1 | CS6673AT | 125 | 1.85 | 96 | 96 | 80 | 0 |
| | MID | MR074009 | R2 | CY62146EV30LL-45ZSXI | 125 | 1.85 | 96 | 96 | 270 | 0 |
| Summary for Technology = R95 (8 records) | | | | | | | | | | |
| Sum | | | | | | | | | 9,761 | 0 |
| Summary for Technology = S12 (0 record) | | | | | | | | | | |
| Sum | | | | | | | | | 0 | 0 |
| S4 | CCD | 70505 | R1A | CY8C20334-12PVXIES | 125 | 5.5 | 96 | 96 | 506 | 0 |
| | CCD | 70505 | R1A(1) | CY8C20334-12PVXIES | 125 | 5.5 | 96 | 96 | 5 | 0 |
| | CCD | 72502 | R1A | CY8C294665-24PVXIES | 125 | 5.5 | 96 | 96 | 334 | 0 |
| | CCD | 72502 | R1B | CY8C294665-24PVXIES | 125 | 5.5 | 96 | 96 | 334 | 0 |
| | CCD | 72502 | R1C | CY8C294665AK-24PVXIE | 125 | 5.5 | 96 | 96 | 334 | 0 |
| | CCD | 72502 | R2A | CY8C294665-24PVXIES | 125 | 5.5 | 96 | 96 | 334 | 0 |
| | CCD | 72502 | R2B | CY8C294665-24PVXIES | 125 | 5.5 | 96 | 96 | 334 | 0 |
| | CCD | 72502 | R2C | CY8C294665-24PVXIES | 125 | 5.5 | 96 | 96 | 334 | 0 |
| | CCD | 72803 | R1 | CY8C24423A-12PVXE | 125 | 5.5 | 48 | 48 | 836 | 0 |
| | CCD | 72803 | R2 | CY8C24423A-12PVXE | 125 | 5.5 | 72 | 72 | 835 | 0 |
| | CCD | 72803 | R3 | CY8C24423A-12PVXE | 125 | 5.5 | 72 | 72 | 834 | 0 |
| | MID | 74606 | R3 | CY8C21534-12PVXE | 125 | 5.5 | 48 | 48 | 571 | 0 |
| | MID | 74606 | R3 | CY8C21534-12PVXE | 125 | 5.5 | 48 | 48 | 1237 | 0 |
| | CCD | MR082059 | R1 | CP6458BM | 125 | 5.5 | 96 | 96 | 300 | 0 |
| | CCD | MR082042 | R1 | CY8C29466-24PVXI | 125 | 5.5 | 96 | 96 | 298 | 0 |
| | CCD | MR082067 | R1 | CY8C27443-24PVXI | 125 | 5.5 | 96 | 96 | 300 | 0 |
| | CCD | 70505 | R1B | CY8C20334-12PVXIES | 125 | 5.5 | 96 | 96 | 386 | 0 |
| | CCD | 70505 | R1B(1) | 8C20334-12PVXIES | 125 | 5.5 | 96 | 96 | 125 | 0 |
| | CCD | 71104 | R1A | CY8C21223-24PVXIES | 125 | 5.5 | 96 | 96 | 505 | 0 |
| | CCD | 71104 | R1B | CY8C21223-24PVXIES | 125 | 5.5 | 96 | 96 | 505 | 0 |
| | CCD | 71402 | R1 | CY8C244235A-24PVXIES | 125 | 5.5 | 96 | 96 | 888 | 0 |
| | CCD | 71402 | R1(1) | CY8C244235A-24PVXIES | 125 | 5.5 | 96 | 96 | 38 | 0 |
| | CCD | 71402 | R1A | CY8C244235A-24PVXIES | 125 | 5.5 | 96 | 96 | 74 | 0 |
| | CCD | 71801 | R1 | CY22050FZXI | 150 | 3.8 | 48 | 48 | 1101 | 0 |

| | | | | | | | | | | |
|--|----------|-------|-------------------|------------------|------|-----|-----|------|----------------|-----------|
| CCD | 71801 | R1A | CY22050ZXC-155T | 150 | 3.8 | 60 | 60 | 419 | 0 | |
| DCD | 71801 | R1B | CY22050FZXI | 150 | 3.8 | 48 | 48 | 500 | 0 | |
| DCD | 71801 | R2 | CY22050FZXI | 150 | 3.8 | 48 | 48 | 500 | 0 | |
| CCD | MR071025 | R1 | CY8C21234-24SXI | 150 | 2.25 | 108 | 108 | 300 | 0 | |
| CCD | MR072024 | R1 | 8C21534-24PVXI | 125 | 5.5 | 108 | 108 | 464 | 0 | |
| CCD | MR072045 | R1 | CY8C21534-24PVXIT | 125 | 5.5 | 96 | 96 | 486 | 0 | |
| CCD | MR073026 | R1 | CY8C21534-24PVXIT | 125 | 5.5 | 96 | 96 | 289 | 0 | |
| CCD | MR073045 | R1 | CY8C24423BC-RASPI | 125 | 5.5 | 96 | 96 | 377 | 0 | |
| CCD | MR073065 | R10 | CY8C26443-24PVXI | 125 | 5.5 | 96 | 96 | 981 | 0 | |
| CCD | MR073065 | R3 | CY8C27443-24PVXI | 125 | 5.5 | 96 | 96 | 1000 | 0 | |
| CCD | MR073065 | R3 | CY8C27443-24PVXI | 125 | 5.5 | 96 | 96 | 1000 | 0 | |
| CCD | MR073065 | R4 | CY8C27443-24PVXI | 125 | 5.5 | 96 | 96 | 1000 | 0 | |
| CCD | MR073065 | R4 | CY8C27443-24PVXI | 125 | 5.5 | 96 | 96 | 1000 | 0 | |
| CCD | MR073065 | R6 | CY8C27443-24PVXI | 125 | 5.5 | 96 | 96 | 1000 | 0 | |
| CCD | MR073065 | R8 | CY8C27443-24PVXI | 125 | 5.5 | 96 | 96 | 1000 | 0 | |
| CCD | MR073065 | R9 | CY8C27443-24PVXI | 125 | 5.5 | 96 | 96 | 999 | 0 | |
| CCD | MR074016 | R1 | CY8C24123A-24SXI | 125 | 5.5 | 96 | 96 | 320 | 0 | |
| CCD | MR074066 | R1 | CY8C26443-24PVXI | 125 | 5.5 | 96 | 96 | 299 | 0 | |
| CCD | MR074067 | R1 | CY8C21534-24PVXIT | 125 | 5.5 | 96 | 96 | 300 | 0 | |
| CCD | MR081021 | R1 | CY8C27443-24PVXI | 125 | 5.5 | 96 | 96 | 299 | 0 | |
| CCD | MR081022 | R1 | CY8C27443-24PVXI | 125 | 5.5 | 96 | 96 | 300 | 0 | |
| CCD | MR081062 | R1 | CY8C21534-24PVXI | 125 | 5.5 | 96 | 96 | 366 | 0 | |
| Summary for Technology = S4 (46 records) | | | | | | | | | | |
| Sum | | | | | | | | | 24,547 | 0 |
| STARM13NMS | DCD | 71206 | R1 | CY7B991V-JZ | 125 | 4.8 | 96 | 96 | 322 | 0 |
| | DCD | 71206 | R1A | CY7B991V-JZ | 125 | 4.8 | 96 | 96 | 323 | 0 |
| | DCD | 71206 | R1B | CY7B991V-JZ | 125 | 4.8 | 96 | 96 | 323 | 0 |
| | DCD | 71206 | R1C | CY7B991V-JZ | 125 | 4.8 | 96 | 96 | 323 | 0 |
| | DCD | 71206 | R2 | CY7B991V-JZ | 125 | 4.8 | 96 | 96 | 323 | 0 |
| | DCD | 71206 | R2A | CY7B991V-JZ | 125 | 4.8 | 96 | 96 | 323 | 0 |
| | DCD | 71206 | R2B | CY7B991V-JZ | 125 | 4.8 | 96 | 96 | 112 | 0 |
| Summary for Technology = STARM13NMS (7 records) | | | | | | | | | | |
| Sum | | | | | | | | | 2,049 | 0 |
| | DCD | 71603 | R3B | CYV15G0101EQ-SXC | 125 | 3.8 | 96 | 96 | 376 | 0 |
| | DCD | 71603 | R3C | CYV15G0101EQ-SXC | 125 | 3.8 | 96 | 96 | 379 | 0 |
| | DCD | 71604 | R2 | CY22H402SW-AXC | 125 | 3.8 | 96 | 96 | 384 | 0 |
| | DCD | 71604 | R2 | CY22H402SW-AXC | 125 | 3.8 | 96 | 96 | 153 | 0 |
| Summary for Technology = UMC 0.18 (4 records) | | | | | | | | | | |
| Sum | | | | | | | | | 1,292 | 0 |
| | | | | | | | | | 242,441 | 10 |



Summary Detail -- LFR Performance Over Time

From: 7/2/2007
To: 6/29/2008

| Technology | Division | EvalNum | TV | Device | Temp | Volt | Readout | Duration | SS | Rejects | FA | Results |
|---|----------|----------|-----|---------------------|------|------|---------|----------|--------------|----------|----|---------|
| B53D-3 | DCD | MR081052 | R1 | CY7B994V-2AXI | 125 | 4.2 | 168 | 72 | 299 | 0 | | |
| | DCD | MR081052 | R1 | CY7B994V-2AXI | 125 | 4.2 | 1000 | 832 | 297 | 0 | | |
| | DCD | MR081073 | R1 | CY7B993V-5AC | 125 | 4 | 1000 | 832 | 298 | 0 | | |
| | DCD | MR081073 | R1 | CY7B993V-5AC | 125 | 4 | 168 | 72 | 298 | 0 | | |
| Summary for Technology = B53 (4 records) | | | | | | | | | | | | |
| Sum | | | | | | | | | 1,192 | 0 | | |
| C8 | DCD | 80604 | R1 | CYWB0124AB-BVXI | 125 | 2.5 | 1000 | 832 | 179 | 0 | | |
| | CCD | 65201 | R2A | CY7C68053-PVXI | 150 | 3.8 | 80 | 32 | 182 | 0 | | |
| | CCD | 65201 | R2A | CY7C68053-PVXI | 150 | 3.8 | 500 | 420 | 182 | 0 | | |
| | CCD | 65201 | R3A | CY7C68053-56PVC | 150 | 3.8 | 80 | 80 | 180 | 0 | | |
| | CCD | 65201 | R3A | CY7C68053-56PVC | 150 | 3.8 | 500 | 420 | 180 | 0 | | |
| | CCD | 70901 | R1 | CY7C65630-56LFXC | 125 | 3.8 | 1000 | 500 | 84 | 0 | | |
| | CCD | 70901 | R2D | CY7C65630-56LFXC | 125 | 3.8 | 1000 | 500 | 84 | 0 | | |
| | CCD | 70901 | R3B | CY7C65630-56LFXC | 125 | 3.8 | 1000 | 500 | 83 | 0 | | |
| | DCD | 72103 | R2 | CY7C68003-24LQXIEST | 150 | 2.07 | 80 | 32 | 185 | 0 | | |
| | DCD | 72103 | R2 | CY7C68003-24LQXIEST | 150 | 2.07 | 512 | 432 | 185 | 0 | | |
| | DCD | 72404 | R1 | CYWB0124AB-BVXI | 125 | 3.8 | 1000 | 500 | 179 | 0 | | |
| | DCD | 72404 | R1 | CYWB0124AB-BVXI | 125 | 3.8 | 168 | 72 | 180 | 0 | | |
| | DCD | 72404 | R2A | CYWB0124AB-BVXI | 125 | 3.8 | 168 | 72 | 60 | 0 | | |
| | DCD | 72404 | R2B | CYWB0124AB-BVXI | 125 | 3.8 | 168 | 72 | 60 | 0 | | |
| | DCD | 72404 | R2C | CYWB0124AB-BVXI | 125 | 3.8 | 168 | 72 | 60 | 0 | | |
| | DCD | 72404 | R3A | CYWB0124AB-BVXI | 125 | 3.8 | 168 | 72 | 60 | 0 | | |
| | DCD | 72404 | R3C | CYWB0124AB-BVXI | 125 | 3.8 | 1000 | 832 | 59 | 0 | | |
| | DCD | 72404 | R3C | CYWB0124AB-BVXI | 125 | 3.8 | 168 | 72 | 59 | 0 | | |
| | MID | 80602 | R5A | CY7C1061DV33 | 125 | 3.63 | 168 | 72 | 199 | 0 | | |
| | DCD | 80604 | R1 | CYWB0124AB-BVXI | 125 | 3.63 | 168 | 72 | 179 | 0 | | |
| | CCD | MR072034 | R1 | CY7C68300C-56PVXC | 125 | 3.8 | 1000 | 832 | 300 | 0 | | |
| | CCD | MR073060 | R1 | CY7C65630-56LFXC | 125 | 3.8 | 1000 | 832 | 294 | 0 | | |
| | CCD | MR074065 | R1 | CY7C68013A-56PVXC | 125 | 3.8 | 168 | 72 | 300 | 0 | | |
| | CCD | MR074065 | R1 | CY7C68013A-56PVXC | 125 | 3.8 | 1000 | 832 | 300 | 0 | | |
| | CCD | MR081056 | R1 | CY7C68300C-56PVXC | 125 | 3.8 | 1000 | 832 | 299 | 0 | | |
| | CCD | MR081056 | R1 | CY7C68300C-56PVXC | 125 | 3.8 | 168 | 168 | 299 | 0 | | |
| Summary for Technology = C8 (26 records) | | | | | | | | | | | | |
| Sum | | | | | | | | | 4,411 | 0 | | |
| C9 | MID | 80602 | R6D | CY7C1061DV33 | 125 | 3.77 | 1000 | 832 | 200 | 0 | | |
| | MID | 80602 | R6D | CY7C1061DV33 | 125 | 3.77 | 168 | 32 | 200 | 0 | | |
| | MID | MR082045 | R1 | CY7C1021DV30-10ZSXI | 150 | 3.77 | 80 | 80 | 997 | 0 | | |
| | MID | MR082045 | R2 | CY7C1021DV30-10ZSXI | 150 | 3.77 | 80 | 80 | 997 | 0 | | |
| | MID | MR082045 | R2 | CY7C1021DV30-10ZSXI | 150 | 3.77 | 500 | 420 | 997 | 0 | | |
| Summary for Technology = C9 (5 records) | | | | | | | | | | | | |
| Sum | | | | | | | | | 3,391 | 0 | | |
| L28 | DCD | MR072031 | R1 | CY229FZX | 150 | 3.8 | 500 | 420 | 300 | 0 | | |
| | DCD | MR082039 | R1 | CY229FZX | 150 | 3.8 | 80 | 32 | 298 | 0 | | |
| | DCD | MR082039 | R1 | CY229FZX | 150 | 3.8 | 500 | 420 | 298 | 0 | | |
| Summary for Technology = L28 (3 records) | | | | | | | | | | | | |
| Sum | | | | | | | | | 896 | 0 | | |
| L8 | DCD | 72401 | R2 | CY2546C | 150 | 2.07 | 80 | 32 | 120 | 0 | | |
| | DCD | 72401 | R2 | CY2546C | 150 | 2.07 | 500 | 420 | 120 | 0 | | |
| Summary for Technology = L8 (2 records) | | | | | | | | | | | | |
| Sum | | | | | | | | | 240 | 0 | | |
| P26 | CCD | MR073062 | R1 | CY7C63723-PXC | 150 | 5.5 | 500 | 420 | 299 | 0 | | |
| Summary for Technology = P26 (1 record) | | | | | | | | | | | | |
| Sum | | | | | | | | | 299 | 0 | | |



Summary for Technology = POWER 165 (0 record)

Sum **0** **0**

Summary for Technology = PROM20NX (0 record)

Sum **0** **0**

Summary for Technology = R42 (0 record)

Sum **0** **0**

| | | | | | | | | | | |
|-----|-----|----------|----|------------------|-----|-----|-----|-----|-----|---|
| R52 | CCD | MR081024 | R1 | CY7C67300-100AXI | 150 | 3.8 | 80 | 32 | 298 | 0 |
| | MID | 80803 | R1 | CY2305CSXI-1H | 150 | 3.8 | 408 | 408 | 90 | 0 |
| | MID | 80803 | R2 | CY2305CSXI-1H | 150 | 3.8 | 408 | 408 | 90 | 0 |
| | MID | 80803 | R3 | CY2305CSXI-1H | 150 | 3.8 | 408 | 408 | 90 | 0 |
| | CCD | MR081024 | R1 | CY7C67300-100AXI | 150 | 3.8 | 500 | 420 | 298 | 0 |

Summary for Technology = R52 (5 records)

Sum **866** **0**

| | | | | | | | | | | |
|----|-----|----------|----|--------------------|-----|-----|-----|----|-----|---|
| R7 | MID | MR081023 | R1 | CY62137CVSL-70BAIT | 125 | 3.3 | 168 | 72 | 295 | 0 |
|----|-----|----------|----|--------------------|-----|-----|-----|----|-----|---|

Summary for Technology = R7 (3 records)

Sum **295** **0**

| | | | | | | | | | | |
|----|-----|----------|----|----------------------|-----|------|------|-----|-----|---|
| R8 | MID | MR074063 | R1 | CY62167DV30LL-70BVIT | 125 | 2.4 | 1000 | 832 | 298 | 0 |
| | MID | MR081061 | R1 | CY62167DV30LL-55BVXI | 125 | 2.4 | 1000 | 832 | 299 | 0 |
| | MID | MR082052 | R1 | CY62167DV30LL-55BVI | 125 | 2.4 | 1000 | 832 | 294 | 0 |
| | MID | MR082052 | R1 | CY62167DV30LL-55BVI | 125 | 2.4 | 168 | 72 | 299 | 0 |
| | MID | MR082051 | R1 | CY62128EV30LL-45ZXI | 125 | 1.85 | 168 | 72 | 674 | 0 |
| | MID | MR082051 | R1 | CY62128EV30LL-45ZXI | 125 | 1.85 | 96 | 32 | 674 | 0 |
| | MID | 71902 | R1 | CY62157DV30LL-70BVXI | 125 | 2.4 | 1000 | 832 | 116 | 0 |
| | MID | 71902 | R2 | CY62157DV30LL-70BVXI | 125 | 2.4 | 1000 | 832 | 118 | 0 |
| | MID | MR072012 | R1 | CY62146DV30LL-70ZSXI | 125 | 2.4 | 1024 | 856 | 305 | 0 |
| | MID | MR072013 | R1 | CY62146DV30LL-70ZSXI | 125 | 2.4 | 1024 | 856 | 348 | 0 |
| | MID | MR072036 | R1 | CY62147DV30LL-55ZSXE | 125 | 5.5 | 1000 | 832 | 150 | 0 |
| | MID | MR073037 | R1 | CY62167DV30LL-55BVI | 125 | 2.4 | 168 | 72 | 299 | 0 |
| | MID | MR073037 | R1 | CY62167DV30LL-55BVI | 125 | 2.4 | 1000 | 832 | 298 | 0 |
| | MID | MR074063 | R1 | CY62167DV30LL-70BVIT | 125 | 2.4 | 168 | 72 | 299 | 0 |
| | MID | MR081061 | R1 | CY62167DV30LL-55BVXI | 125 | 2.4 | 168 | 72 | 299 | 0 |

Summary for Technology = R8 (15 records)

Sum **4,770** **0**

| | | | | | | | | | | |
|-----|-----|----------|----|---------------------|-----|------|------|-----|-----|---|
| R89 | MID | 71211 | R1 | CY7C1370 | 150 | 2.25 | 80 | 32 | 60 | 0 |
| | MID | 71211 | R1 | CY7C1370 | 150 | 2.25 | 500 | 420 | 60 | 0 |
| | MID | 71211 | R2 | CY7C1370 | 150 | 2.25 | 500 | 420 | 60 | 0 |
| | MID | 71211 | R4 | CY7C1512V18 | 125 | 2.25 | 168 | 72 | 180 | 0 |
| | MID | MR073028 | R1 | CY7C1313BV18-250BZC | 125 | 2.25 | 168 | 72 | 459 | 0 |
| | MID | MR073028 | R2 | CY7C1313BV18-250BZC | 125 | 2.25 | 1000 | 832 | 311 | 0 |
| | MID | MR073028 | R2 | CY7C1313BV18-250BZC | 125 | 2.25 | 168 | 72 | 313 | 0 |
| | MID | MR073028 | R3 | CY7C1313BV18-250BZC | 125 | 2.25 | 168 | 72 | 535 | 0 |
| | MID | MR074070 | R1 | CY7C1347G-133AXC | 150 | 2.25 | 80 | 32 | 300 | 0 |
| | MID | MR074070 | R1 | CY7C1347G-133AXC | 150 | 2.25 | 500 | 420 | 292 | 0 |

Summary for Technology = R9 (10 records)

Sum **2,570** **0**

| | | | | | | | | | | |
|-----|-----|----------|----|----------------------|-----|------|------|-----|-----|---|
| R95 | MID | MR074009 | R1 | CS6673AT | 125 | 1.85 | 168 | 72 | 270 | 0 |
| | MID | MR074009 | R2 | CY62146EV30LL-45ZSXI | 125 | 1.85 | 168 | 72 | 80 | 0 |
| | MID | MR074071 | R1 | CY62146EV30LL-45BVXI | 125 | 1.85 | 1000 | 832 | 995 | 0 |
| | MID | MR074071 | R2 | CY62146EV30LL-45BVXI | 125 | 1.85 | 1000 | 832 | 999 | 0 |

Summary for Technology = R95 (4 records)

Sum **2,344** **0**

| | | | | | | | | | | |
|------|-----|----------|-----|--------------------|-----|-----|------|-----|-----|---|
| S4AD | CCD | MR074066 | R1 | CY8C26443-24PVXI | 125 | 5.5 | 1000 | 832 | 297 | 0 |
| | CCD | MR074067 | R1 | CY8C21534-24PVXIT | 125 | 5.5 | 168 | 72 | 149 | 0 |
| | CCD | MR074067 | R1 | CY8C21534-24PVXIT | 125 | 5.5 | 1000 | 832 | 149 | 0 |
| | CCD | MR081062 | R1 | CY8C21534-24PVXI | 125 | 5.5 | 1048 | 880 | 366 | 0 |
| | CCD | MR082042 | R1 | CY8C29466-24PVXI | 125 | 5.5 | 1000 | 832 | 296 | 0 |
| | CCD | MR082042 | R1 | CY8C29466-24PVXI | 125 | 5.5 | 168 | 72 | 296 | 0 |
| | CCD | MR082067 | R1 | CY8C27443-24PVXI | 125 | 5.5 | 168 | 72 | 300 | 0 |
| | CCD | 70505 | R1A | CY8C20334-12PVXIES | 125 | 5.5 | 1000 | 832 | 89 | 0 |
| | CCD | 70505 | R1B | CY8C20334-12PVXIES | 125 | 5.5 | 168 | 72 | 90 | 0 |
| | CCD | 70505 | R1B | CY8C20334-12PVXIES | 125 | 5.5 | 1000 | 832 | 90 | 0 |

| | | | | | | | | | | |
|--|----------|-------|----------------------|------------------|-----|-------|------|---------------|----------|---|
| CCD | 71104 | R1A | CY8C21223-24PVXIES | 125 | 5.5 | 168 | 72 | 90 | 0 | |
| CCD | 71104 | R1B | CY8C21223-24PVXIES | 125 | 5.5 | 168 | 72 | 90 | 0 | |
| CCD | 71402 | R1 | CY8C244235A-24PVXIES | 125 | 5.5 | 168 | 72 | 180 | 0 | |
| CCD | 71402 | R1 | CY8C244235A-24PVXIES | 125 | 5.5 | 1000 | 832 | 180 | 0 | |
| CCD | 71801 | R1 | CY22050FZXI | 150 | 3.8 | 80 | 32 | 1101 | 0 | |
| CCD | 71801 | R1 | CY22050FZXI | 150 | 3.8 | 500 | 420 | 120 | 0 | |
| CCD | 72402 | R1A | CY8C24633-24PVXI | 125 | 5.5 | 1000 | 832 | 200 | 0 | |
| CCD | 72402 | R1B | CY8C24633-24PVXI | 125 | 5.5 | 1000 | 832 | 199 | 0 | |
| CCD | 72402 | R1C | CY8C24633-24PVXI | 125 | 5.5 | 1000 | 832 | 199 | 0 | |
| MID | 73803 | R1B | CY8C20334 | 125 | 5.5 | 1000 | 832 | 200 | 0 | |
| CCD | MR064036 | R1 | CY8C21334-24PVXI | 125 | 5.5 | 168 | 72 | 300 | 0 | |
| CCD | MR064036 | R1 | CY8C21334-24PVXI | 125 | 5.5 | 168 | 72 | 300 | 0 | |
| CCD | MR071025 | R1 | CY8C21234-24SXI | 125 | 5.5 | 168 | 72 | 300 | 0 | |
| CCD | MR071025 | R1 | CY8C21234-24SXI | 125 | 5.5 | 1000 | 832 | 300 | 0 | |
| CCD | MR071069 | R1 | CY8C21234-24SXI | 125 | 5.5 | 1000 | 832 | 502 | 0 | |
| CCD | MR071077 | R1 | CY8C21234-24SXI | 125 | 5.5 | 1000 | 832 | 495 | 0 | |
| CCD | MR072024 | R1 | 8C21534-24PVXI | 125 | 5.5 | 168 | 72 | 464 | 0 | |
| CCD | MR072024 | R1 | 8C21534-24PVXI | 125 | 5.5 | 1000 | 832 | 462 | 0 | |
| CCD | MR072025 | R1 | CY8C21534-24PVXI | 125 | 5.5 | 168 | 72 | 496 | 0 | |
| CCD | MR072025 | R1 | CY8C21534-24PVXI | 125 | 5.5 | 1000 | 832 | 496 | 0 | |
| CCD | MR072045 | R1 | CY8C21534-24PVXIT | 125 | 5.5 | 168 | 72 | 486 | 0 | |
| CCD | MR072045 | R1 | CY8C21534-24PVXIT | 125 | 5.5 | 1024 | 856 | 486 | 0 | |
| CCD | MR073026 | R1 | CY8C21534-24PVXIT | 125 | 5.5 | 96 | 32 | 289 | 0 | |
| CCD | MR073026 | R1 | CY8C21534-24PVXIT | 125 | 5.5 | 168 | 72 | 289 | 0 | |
| CCD | MR073026 | R1 | CY8C21534-24PVXIT | 125 | 5.5 | 1000 | 832 | 289 | 0 | |
| CCD | MR073045 | R1 | CY8C24423BC-RASPI | 125 | 5.5 | 96 | 32 | 377 | 0 | |
| CCD | MR073045 | R1 | CY8C24423BC-RASPI | 125 | 5.5 | 168 | 72 | 375 | 0 | |
| CCD | MR073045 | R1 | CY8C24423BC-RASPI | 125 | 5.5 | 1000 | 832 | 375 | 0 | |
| CCD | MR073065 | R1 | CY8C24223A-24PVXIT | 125 | 5.5 | 168 | 72 | 998 | 0 | |
| CCD | MR073065 | R1 | CY8C24223A-24PVXIT | 125 | 5.5 | 1000 | 832 | 300 | 0 | |
| CCD | MR073065 | R2 | CY8C24423A-24PVXI | 125 | 5.5 | 192 | 96 | 299 | 0 | |
| CCD | MR073065 | R2 | CY8C24423A-24PVXI | 125 | 5.5 | 1000 | 832 | 299 | 0 | |
| CCD | MR074016 | R1 | CY8C24123A-24SXI | 125 | 5.5 | 192 | 96 | 320 | 0 | |
| CCD | MR074016 | R1 | CY8C24123A-24SXI | 125 | 5.5 | 1000 | 832 | 317 | 0 | |
| MID | MR074038 | R1 | 7C1370EC-RAZC | 150 | 2.7 | 500 | 420 | 249 | 0 | |
| CCD | MR081021 | R1 | CY8C27443-24PVXI | 125 | 5.5 | 168 | 72 | 299 | 0 | |
| CCD | MR081021 | R1 | CY8C27443-24PVXI | 125 | 5.5 | 1000 | 832 | 299 | 0 | |
| CCD | MR081022 | R1 | CY8C27443-24PVXI | 125 | 5.5 | 168 | 32 | 300 | 0 | |
| CCD | MR081022 | R1 | CY8C27443-24PVXI | 125 | 5.5 | 1000 | 832 | 299 | 0 | |
| CCD | MR081062 | R1 | CY8C21534-24PVXI | 125 | 5.5 | 168 | 72 | 366 | 0 | |
| Summary for Technology = S4 (63 records) | | | | | | | | | | |
| Sum | | | | | | | | 16,107 | 0 | |
| Summary for Technology = S8 (0 record) | | | | | | | | | | |
| Sum | | | | | | | | 0 | 0 | |
| Summary for Technology = STARM (0 record) | | | | | | | | | | |
| Sum | | | | | | | | 0 | 0 | |
| TSMC025 | MID | 70201 | R3 | R3MAL | 125 | 2.88 | 1096 | 928 | 75 | 0 |
| Summary for Technology = TSMC025 (1 record) | | | | | | | | | | |
| Sum | | | | | | | | 75 | 0 | |
| UMC 0.18 | DCD | 71604 | R1 | CY22H402SW-AXC | 125 | 3.8 | 1000 | 832 | 169 | 0 |
| | DCD | 71604 | R2 | CY22H402SW-AXC | 125 | 3.8 | 168 | 72 | 182 | 0 |
| | DCD | 71603 | R3A | CYV15G0101EQ-SXC | 125 | 3.8 | 620 | 452 | 380 | 0 |
| | DCD | 71603 | R3A | CYV15G0101EQ-SXC | 125 | 3.8 | 1024 | 404 | 380 | 0 |
| | DCD | 71603 | R3B | CYV15G0101EQ-SXC | 125 | 3.8 | 168 | 72 | 376 | 0 |
| | DCD | 71603 | R3C | CYV15G0101EQ-SXC | 125 | 3.8 | 168 | 72 | 379 | 0 |
| Summary for Technology = UMC 0.18 (6 records) | | | | | | | | | | |
| Sum | | | | | | | | 1,866 | 0 | |
| 0.25um | MID | 70201 | R1 | R3M1AL | 125 | 2.875 | 168 | 72 | 78 | 0 |
| | MID | 70201 | R1 | R3M1AL | 125 | 2.875 | 1000 | 832 | 78 | 0 |
| | MID | 70201 | R2 | R3M1AL | 125 | 2.875 | 168 | 72 | 76 | 0 |



Summary for Technology = 0.25um (3 records)
Sum

| | |
|--------|---|
| 232 | 0 |
| 39,554 | 0 |



Summary Detail -- DRet Performance Over Time

From: 7/2/2007
To: 6/29/2008

| Technology | Division | EvalNum | TV | Device | Temp | Readout | Duration | SS | Rejects | FA | Results |
|------------|----------|---------|--------|----------------------|------|---------|----------|----|---------|----|---------|
| S4 | CCD | 70505 | R1A | CY8C20334-12PVXIES | 150 | 1000 | 500 | 39 | 0 | | |
| | CCD | 70505 | R1A(1) | CY8C20334-12PVXIES | 150 | 168 | 168 | 47 | 0 | | |
| | CCD | 70505 | R1B | CY8C20334-12PVXIES | 150 | 1000 | 500 | 42 | 0 | | |
| | CCD | 70505 | R1B | CY8C20334-12PVXIES | 150 | 168 | 168 | 39 | 0 | | |
| | CCD | 70505 | R1B(1) | 8C20334-12PVXIES | 150 | 168 | 168 | 40 | 0 | | |
| | CCD | 71104 | R1A | 8C212235AK-MSZI | 150 | 500 | 500 | 40 | 0 | | |
| | CCD | 71104 | R1A | CY8C21223-24PVXIES | 150 | 1000 | 500 | 40 | 0 | | |
| | CCD | 71104 | R1B | 8C212235AK-MSZI | 150 | 500 | 500 | 40 | 0 | | |
| | CCD | 71104 | R1B | CY8C21223-24PVXIES | 150 | 1000 | 500 | 40 | 0 | | |
| | CCD | 71402 | R1 | CY8C244235A-24PVXIES | 150 | 500 | 500 | 77 | 0 | | |
| | CCD | 71402 | R1 | CY8C244235A-24PVXIES | 150 | 1000 | 500 | 77 | 0 | | |
| | CCD | 71801 | R1 | 7C841400BK-RAZZI | 150 | 500 | 500 | 80 | 0 | | |
| | DCD | 71801 | R1B | CY22050FZXI | 150 | 500 | 500 | 80 | 0 | | |
| | DCD | 71801 | R1B | CY22050FZXI | 150 | 1000 | 500 | 80 | 0 | | |
| | DCD | 71801 | R2 | CY22050FZXI | 150 | 500 | 500 | 80 | 0 | | |
| | DCD | 71801 | R2 | CY22050FZXI | 150 | 1024 | 524 | 80 | 0 | | |
| | CCD | 72402 | R1A | 8C24633AK | 150 | 1000 | 500 | 37 | 0 | | |
| | CCD | 72402 | R1A | CY8C24633-24PVXI | 150 | 500 | 500 | 37 | 0 | | |
| | CCD | 72402 | R1A | CY8C24633-24PVXI | 150 | 1000 | 500 | 37 | 0 | | |
| | CCD | 72402 | R1B | 8C24633AK | 150 | 1000 | 500 | 27 | 0 | | |
| | CCD | 72402 | R1B | CY8C24633-24PVXI | 150 | 500 | 500 | 27 | 0 | | |
| | CCD | 72402 | R1B | CY8C24633-24PVXI | 150 | 1000 | 500 | 27 | 0 | | |
| | CCD | 72402 | R1C | 8C24633AK | 150 | 1000 | 500 | 26 | 0 | | |
| | CCD | 72402 | R1C | CY8C24633-24PVXI | 150 | 500 | 500 | 26 | 0 | | |
| | CCD | 72402 | R1C | CY8C24633-24PVXI | 150 | 500 | 500 | 26 | 0 | | |
| | CCD | 72602 | R1A | 8C214534AC-RASPI | 150 | 500 | 500 | 30 | 0 | | |
| | CCD | 72602 | R1A | CY8C21534-24PVXI | 150 | 1000 | 500 | 30 | 0 | | |
| | CCD | 72602 | R1B | 8C21534AC-RASPI | 150 | 500 | 500 | 19 | 0 | | |
| | CCD | 72602 | R1B | CY8C21534-24PVXI | 150 | 1000 | 500 | 19 | 0 | | |
| | CCD | 72602 | R1C | 8C21534AC-RASPI | 150 | 500 | 500 | 30 | 0 | | |
| | CCD | 72602 | R1C | CY8C21534-24PVXI | 150 | 1000 | 500 | 30 | 0 | | |
| | CCD | 73302 | R1A | 8C29466AT-MSPI | 150 | 500 | 500 | 30 | 0 | | |
| | CCD | 73302 | R1A | CY8C29466 | 150 | 1000 | 500 | 30 | 0 | | |
| | CCD | 73302 | R1B | 8C29466AT-MSPI | 150 | 500 | 500 | 25 | 0 | | |
| | CCD | 73302 | R1B | CY8C29466 | 150 | 1000 | 500 | 25 | 0 | | |
| | CCD | 73302 | R1C | 8C29466AT-MSPI | 150 | 500 | 500 | 30 | 0 | | |
| | CCD | 73302 | R1C | CY8C29466 | 150 | 1000 | 500 | 30 | 0 | | |
| | CCD | 73401 | R1A | CY8C21534 | 150 | 500 | 500 | 30 | 0 | | |
| | CCD | 73401 | R1A | CY8C21534 | 150 | 1024 | 524 | 30 | 0 | | |
| | CCD | 73401 | R1B | CY8C21534 | 150 | 1024 | 524 | 30 | 0 | | |
| | CCD | 73401 | R1B | CY8V21534 | 150 | 500 | 500 | 30 | 0 | | |
| | CCD | 73401 | R1C | CY8C21534 | 150 | 500 | 500 | 30 | 0 | | |
| | CCD | 73401 | R1C | CY8C21534 | 150 | 1024 | 524 | 30 | 0 | | |
| | CCD | 73601 | R1A | CY8C21534-24PVXI | 150 | 500 | 500 | 26 | 0 | | |
| | CCD | 73601 | R1A | CY8C21534-24PVXI | 150 | 1024 | 524 | 26 | 0 | | |
| | CCD | 73601 | R1B | CY8C21534-24PVXI | 150 | 500 | 500 | 26 | 0 | | |
| | CCD | 73601 | R1B | CY8C21534-24PVXI | 150 | 1024 | 524 | 26 | 0 | | |
| | CCD | 73601 | R1C | CY8C21534-24PVXI | 150 | 500 | 500 | 26 | 0 | | |
| | CCD | 73601 | R1C | CY8C21534-24PVXI | 150 | 1024 | 524 | 26 | 0 | | |
| | CCD | 73601 | R2A | CY8C21534-24PVXI | 150 | 500 | 500 | 26 | 0 | | |
| | CCD | 73601 | R2A | CY8C21534-24PVXI | 150 | 1024 | 524 | 26 | 0 | | |

| | | | | | | | | |
|-----|----------|-----|---------------------|-----|------|-----|-----|---|
| CCD | 73601 | R2B | CY8C21534-24PVXI | 150 | 500 | 500 | 26 | 0 |
| CCD | 73601 | R2B | CY8C21534-24PVXI | 150 | 1024 | 524 | 26 | 0 |
| CCD | 73601 | R2C | CY8C21534-24PVXI | 150 | 500 | 500 | 26 | 0 |
| CCD | 73601 | R2C | CY8C21534-24PVXI | 150 | 1024 | 524 | 26 | 0 |
| CCD | 73601 | R3A | CY8C21534-24PVXI | 150 | 500 | 500 | 26 | 0 |
| CCD | 73601 | R3A | CY8C21534-24PVXI | 150 | 1024 | 524 | 26 | 0 |
| CCD | 73601 | R3B | CY8C21534-24PVXI | 150 | 500 | 500 | 26 | 0 |
| CCD | 73601 | R3B | CY8C21534-24PVXI | 150 | 1024 | 524 | 26 | 0 |
| CCD | 73601 | R3C | CY8C21534-24PVXI | 150 | 500 | 500 | 26 | 0 |
| CCD | 73601 | R3C | CY8C21534-24PVXI | 150 | 1024 | 524 | 26 | 0 |
| CCD | 73706 | R1A | 8C24494AC-TSPI | 150 | 500 | 500 | 43 | 0 |
| CCD | 73706 | R1A | CY8C24494-24PVXI | 150 | 1000 | 500 | 43 | 0 |
| CCD | 73706 | R1B | 8C24494AC-TSPI | 150 | 500 | 500 | 42 | 0 |
| CCD | 73706 | R1B | CY8C24494-24PVXI | 150 | 1000 | 500 | 42 | 0 |
| CCD | 73706 | R1C | CY8C24494-24PVXI | 150 | 500 | 500 | 80 | 0 |
| CCD | 73706 | R1C | CY8C24494-24PVXI | 150 | 1000 | 500 | 80 | 0 |
| CCD | 74908 | R2 | CY8C21534 | 150 | 500 | 500 | 77 | 0 |
| CCD | 74908 | R2 | CY8C21534 | 150 | 1024 | 254 | 77 | 0 |
| CCD | 75104 | R1 | CY8C27443-12PVXE | 150 | 168 | 168 | 84 | 0 |
| CCD | 80201 | R1A | CY8C24494-24PVXI | 150 | 168 | 168 | 28 | 0 |
| CCD | 80201 | R1A | CY8C24494-24PVXI | 150 | 500 | 500 | 33 | 0 |
| CCD | 80201 | R1A | CY8C24494-24PVXI | 150 | 1000 | 500 | 33 | 0 |
| CCD | 80201 | R1B | CY8C24494-24PVXI | 150 | 168 | 168 | 28 | 0 |
| CCD | 80201 | R1B | CY8C24494-24PVXI | 150 | 500 | 500 | 33 | 0 |
| CCD | 80201 | R1B | CY8C24494-24PVXI | 150 | 1000 | 500 | 33 | 0 |
| CCD | 80201 | R1C | CY8C24494-24PVXI | 150 | 168 | 168 | 28 | 0 |
| CCD | 80201 | R1C | CY8C24494-24PVXI | 150 | 500 | 500 | 33 | 0 |
| CCD | 80201 | R1C | CY8C24494-24PVXI | 150 | 1000 | 500 | 33 | 0 |
| CCD | MR072003 | R1 | CY8C21534-24PVXI | 150 | 1000 | 500 | 154 | 0 |
| CCD | MR072042 | R1 | CY7C60323-PVXC | 150 | 500 | 500 | 158 | 0 |
| CCD | MR072045 | R1 | CY8C21534-24PVXIT | 150 | 500 | 500 | 154 | 0 |
| CCD | MR072045 | R1 | CY8C21534-24PVXIT | 150 | 1000 | 500 | 154 | 0 |
| CCD | MR073006 | R1 | 8C20434AC-LLKI | 150 | 1000 | 500 | 107 | 0 |
| CCD | MR073006 | R1 | CY8C20434-12LFXI | 150 | 500 | 500 | 122 | 0 |
| CCD | MR073021 | R1 | 8C27443BC-RASPI | 150 | 1000 | 500 | 79 | 0 |
| CCD | MR073021 | R1 | CY8C27443-24PVXI | 150 | 500 | 500 | 79 | 0 |
| CCD | MR073026 | R1 | CY8C21534-24PVXIT | 150 | 500 | 500 | 76 | 0 |
| CCD | MR073026 | R1 | CY8C21534-24PVXIT | 150 | 1000 | 500 | 76 | 0 |
| CCD | MR073029 | R1 | CY8C24223BC-24PVXIT | 150 | 500 | 500 | 80 | 0 |
| CCD | MR073029 | R1 | CY8C24223BC-24PVXIT | 150 | 1000 | 500 | 80 | 0 |
| CCD | MR073045 | R1 | CY8C24423BC-RASPI | 150 | 500 | 500 | 79 | 0 |
| CCD | MR073045 | R1 | CY8C24423BC-RASPI | 150 | 1000 | 500 | 79 | 0 |
| CCD | MR074066 | R1 | CY8C26443-24PVXI | 150 | 500 | 500 | 80 | 0 |
| CCD | MR074066 | R1 | CY8C26443-24PVXI | 150 | 1000 | 500 | 80 | 0 |
| CCD | MR074067 | R1 | CY8C21534-24PVXIT | 150 | 500 | 500 | 80 | 0 |
| CCD | MR074067 | R1 | CY8C21534-24PVXIT | 150 | 1000 | 500 | 80 | 0 |
| CCD | MR081021 | R1 | CY8C27443-24PVXI | 150 | 500 | 500 | 80 | 0 |
| CCD | MR081021 | R1 | CY8C27443-24PVXI | 150 | 1000 | 500 | 80 | 0 |
| CCD | MR081022 | R1 | CY8C27443-24PVXI | 150 | 500 | 500 | 80 | 0 |
| CCD | MR081022 | R1 | CY8C27443-24PVXI | 150 | 1000 | 500 | 80 | 0 |
| CCD | MR081032 | R1 | CY8C24533-24PVXI | 150 | 500 | 500 | 78 | 0 |
| CCD | MR081032 | R1 | CY8C24533-24PVXI | 150 | 1000 | 500 | 78 | 0 |
| CCD | MR082042 | R1 | CY8C29466-24PVXI | 175 | 144 | 144 | 80 | 0 |
| CCD | MR082042 | R1 | CY8C29466-24PVXI | 175 | 288 | 144 | 80 | 0 |
| CCD | MR082042 | R1 | CY8C29466-24PVXI | 175 | 408 | 208 | 80 | 0 |
| CCD | MR082042 | R1 | CY8C29466-24PVXI | 150 | 500 | 500 | 80 | 0 |
| CCD | MR082059 | R1 | CP6458BM | 175 | 144 | 144 | 79 | 0 |
| CCD | MR082059 | R1 | CP6458BM | 175 | 288 | 144 | 79 | 0 |
| CCD | MR082059 | R1 | CP6458BM | 175 | 408 | 208 | 79 | 0 |
| CCD | MR082059 | R1 | CP6458BM | 150 | 500 | 500 | 80 | 0 |



| | | | | | | | | | |
|--|----------|----|------------------|-----|------|-----|----|--------------|----------|
| CCD | MR082059 | R1 | CP6458BM | 150 | 1000 | 500 | 80 | 0 | |
| CCD | MR082067 | R1 | CY8C27443-24PVXI | 175 | 144 | 144 | 79 | 0 | |
| CCD | MR082067 | R1 | CY8C27443-24PVXI | 175 | 288 | 144 | 78 | 0 | |
| CCD | MR082067 | R1 | CY8C27443-24PVXI | 175 | 408 | 208 | 78 | 0 | |
| CCD | MR082067 | R1 | CY8C27443-24PVXI | 150 | 500 | 500 | 80 | 0 | |
| CCD | MR082067 | R1 | CY8C27443-24PVXI | 150 | 1000 | 500 | 80 | 0 | |
| Summary for Technology = S4 (117 records) | | | | | | | | | |
| Sum | | | | | | | | 6,402 | 0 |



Summary Detail -- PCT Performance Over Time

From: 7/2/2007

To: #####

| Bldkit | Assy Site | EvalNum | TV | Device | Temp | Readout | SS | Rejects | FA | Results |
|---|----------------|----------|----|---------------------|------|---------|------------|----------|--------------|------------------|
| FBGA (0.75-0.8, 0.3mm) | | | | | | | | | | |
| BA48BQAALE | RA-CML | MR073051 | R1 | CY62137CVSL-70BAIT | 121 | 168 | 80 | 0 | | |
| BA48BQAALE | RA-CML | MR074061 | R1 | CY62137CVSL-70BAIT | 121 | 168 | 79 | 0 | | |
| BA48CRALE | OSE-T | MR074046 | R1 | CY62137CVSL-70BAIT | 121 | 168 | 80 | 0 | | |
| BA48CRALE | T-TAIWAN | MR074068 | R1 | 70BAIT | 121 | 168 | 80 | 0 | | |
| BA48CRALE | OSE-T | MR081020 | R1 | CY62137CVSL-70BAI | 121 | 168 | 78 | 0 | | |
| BA48CRALE | T-OSE | MR082018 | R1 | CY62137CVSL-70BAI | 121 | 168 | 80 | 0 | | |
| BA60ABAALE | AT - Indonesia | 73603 | R1 | CY7C1069A | 121 | 168 | 76 | 0 | | |
| Summary for Package Family : FBGA (0.75-0.8, 0.3mm) (7 records) | | | | | | | 553 | 0 | | |
| Sum | | | | | | | | | | |
| FBGA (0.75-0.8, 0.3mm, Pb-free) | | | | | | | | | | |
| BK48ABAALL | AIT-INDONESIA | 73503 | R1 | CY62137CVSL-70BAXI | 121 | 168 | 78 | 0 | | |
| BK48BQALL | RA-CML | MR073046 | R1 | CY62137CVSL-70BAXIT | 121 | 168 | 80 | 0 | | |
| BK48BWALL | G-TAIWAN | MR073041 | R1 | CY7C1021CV33-10BAXI | 121 | 168 | 80 | 0 | | |
| BK48WBLL | G-ASE | MR082010 | R1 | CY7C1021CV33-10BAXI | 121 | 168 | 75 | 0 | | |
| BK48CDALL | G-TAIWAN | 73205 | R1 | CY7C1041CV33-20BAI | 121 | 96 | 45 | 0 | | |
| BK48CPBGL | G-TAIWAN | MR074056 | R1 | CY7C67200-48BAXIT | 121 | 168 | 79 | 0 | | |
| BK60AAALE | G-TAIWAN | MR082069 | R1 | CY7C1061AV33-10BAXI | 121 | 168 | 77 | 0 | | |
| Summary for Package Family : FBGA (0.75-0.8, 0.3mm, Pb-Free) (7 records) | | | | | | | 514 | 0 | | |
| Sum | | | | | | | | | | |
| FBGA (1.0) | | | | | | | | | | |
| BB100CAALE | G-ASE | MR081067 | R1 | CYP15G0101DXB-BBI | 121 | 168 | 80 | 0 | | |
| BB100EAALE | G-TAIWAN | MR073001 | R1 | CY7B994V-2BBI | 121 | 168 | 80 | 0 | | |
| BB100EAALE | G-TAIWAN | MR082041 | R1 | CY7B994V-2BBI | 121 | 168 | 80 | 0 | | |
| BB144CALE | G-TAIWAN | NR072030 | R1 | CY7C08313AV-167BBC | 121 | 168 | 50 | 0 | | |
| BB144CALE | G-TAIWAN | NR072030 | R2 | CY7C0830AV-167BBC | 121 | 168 | 50 | 1 | NR072030-2P1 | No visual defect |
| BB144CALE | G-TAIWAN | NR072030 | R3 | CY7C0837AV-167BBC | 121 | 168 | 50 | 3 | NR072030-3P1 | No visual defect |
| BB165AVLE | RA-CML | MR074047 | R1 | CY7C1313BV18-250BZC | 121 | 168 | 75 | 0 | | |
| BB165AVLE | RA-CML | NR072019 | R3 | CY7C1313BV18-250BZC | 121 | 168 | 49 | 0 | | |
| BB172AAGE | G-TAIWAN | NR072027 | R1 | CY7C057V-15BBC | 121 | 168 | 50 | 0 | | |
| BB172AAGE | G-TAIWAN | NR072027 | R2 | CY7C057V-12BBC | 121 | 168 | 49 | 0 | | |
| BB172AAGE | G-TAIWAN | NR072027 | R3 | CY7C057V-15BBI | 121 | 168 | 49 | 0 | | |
| FBGA 172 | G-TAIWAN | 73905 | R1 | 7C08533BC | 121 | 168 | 80 | 0 | | |
| Summary for Package Family : FBGA (1.0) (12 records) | | | | | | | 742 | 4 | | |
| Sum | | | | | | | | | | |
| FBGA (1.0, Pb-Free) | | | | | | | | | | |
| Summary for Package Family : FBGA (1.0, Pb-Free) (1 record) | | | | | | | 0 | 0 | | |
| Sum | | | | | | | | | | |
| VFBGA (0.75-0.8, 0.3mm) | | | | | | | | | | |
| BV48AMAAL | G-TAIWAN | MR073035 | R1 | CY62136CV30LL-55BVI | 121 | 168 | 80 | 0 | | |
| BV48BAAAL | G-TAIWAN | MR074003 | R1 | CG6601AA | 121 | 168 | 80 | 0 | | |
| BV48CJALL | RA-CML | MR074025 | R1 | CY62167DV30LL-70BVI | 121 | 168 | 80 | 0 | | |

Summary for Package Family : VFBGA (0.75-0.8, 0.3mm) (3 records)

| Sum | | | | | | | 240 | 0 |
|---|---------------|----------|-----|----------------------|-----|-----|-----|---|
| VFBGA (0.75-0.8, 0.3mm, Pb-Free) | | | | | | | | |
| BZ100BAALL | G-TAIWAN | MR074035 | R1 | CYDM128A16-65BVXI | 121 | 168 | 80 | 0 |
| BZ100BAALL | G-TAIWAN | MR081044 | R1 | CYDM128B16-55BVXI | 121 | 168 | 80 | 0 |
| BZ100CGAL | G-TAIWAN | 61603 | R1 | CYWB0124AB-BVXI | 121 | 168 | 75 | 0 |
| BZ100CGAL | RA-CML | 72404 | R2A | CYWB0124AB-BVXI | 121 | 168 | 26 | 0 |
| BZ100CGAL | RA-CML | 72404 | R2B | CYWB0124AB-BVXI | 121 | 168 | 26 | 0 |
| BZ100CGAL | RA-CML | 72404 | R2C | CYWB0124AB-BVXI | 121 | 168 | 26 | 0 |
| BZ100CGAL | RA-CML | 72404 | R3A | CYWB0124AB-BVXI | 121 | 168 | 26 | 0 |
| BZ100CGAL | RA-CML | 72404 | R3B | CYWB0124AB-BVXI | 121 | 168 | 24 | 0 |
| BZ100CGAL | CML-RA | 72404 | R3C | CYWB0124AB-BVXI | 121 | 168 | 26 | 0 |
| BZ100CGAL | RA-CML | MR074017 | R1 | CYWB0124AB-BVXIT | 121 | 168 | 79 | 0 |
| BZ100CGAL | RA-CML | MR081018 | R1 | CYWB0124AB-BVXI | 121 | 168 | 80 | 0 |
| BZ100CGAL | RA-CML | MR082027 | R1 | CYWB0124AB-BVXI | 121 | 168 | 80 | 0 |
| BZ100FAAGL | AIT-INDONESIA | NR073001 | R1 | CYWB0124AB-BVXI | 121 | 168 | 78 | 0 |
| BZ100FAAGL | AIT-INDONESIA | NR073001 | R2 | CYWB0124AB-BVXI | 121 | 168 | 80 | 0 |
| BZ100FAAGL | AIT-INDONESIA | NR073001 | R3 | CYWB0124AB-BVXI | 121 | 168 | 80 | 0 |
| BZ48BKBLE | RA-CML | NR072007 | R1 | CYK128K16MCBU-70BVXI | 121 | 168 | 80 | 0 |
| BZ48CEAALL | G-TAIWAN | MR074055 | R1 | CY62147EV30LL-45BVXI | 121 | 168 | 79 | 0 |
| BZ48CFAALL | G-TAIWAN | MR083004 | R1 | CY62157EV30-45BVXIT | 121 | 168 | 80 | 0 |
| BZ48CNAALL | G-TAIWAN | 70906 | R1 | CY62167DV30LL | 121 | 168 | 79 | 0 |
| BZ48CNAALL | G-TAIWAN | 70906 | R8 | 7G62161D | 121 | 168 | 45 | 0 |
| BZ48CNAALL | G-TAIWAN | 70906 | R9 | CY62167DV30LL | 121 | 168 | 45 | 0 |
| BZ48CNAALL | G-TAIWAN | 72903 | R2 | CY62167DV30LL | 121 | 168 | 80 | 0 |
| BZ48CQAALL | G-TAIWAN | MR082047 | R1 | CY62137FV30LL-45BVXI | 121 | 168 | 80 | 0 |
| BZ48CRALL | G-TAIWAN | 71302 | R1 | CY62167EV30 | 121 | 168 | 50 | 0 |
| BZ48DAGLL | RA-CML | MR081019 | R1 | CY62137FV30LL-45BVXI | 121 | 168 | 80 | 0 |
| BZ48DAGLL | RA-CML | MR082001 | R1 | CY62137FV30LL-45BVXI | 121 | 168 | 80 | 0 |
| BZ56AGAGL | G-TAIWAN | MR074057 | R1 | CY7C68013-56BAXC | 121 | 168 | 80 | 0 |
| BZ56AGAL | G-TAIWAN | MR082035 | R1 | CY7C68013A-56BAXC | 121 | 168 | 80 | 0 |
| BZ56FAALE | G-TAIWAN | MR064025 | R1 | CY7C68053-56BAXIES | 121 | 168 | 50 | 0 |
| BZ56FAALE | G-TAIWAN | MR064025 | R1 | CY7C68053-56BAXIES | 121 | 336 | 49 | 0 |
| BZ56FAALE | G-TAIWAN | MR064025 | R1 | CY7C68053-56BAXIES | 121 | 168 | 50 | 0 |
| BZ56FAALE | ASE-G | MR081037 | R1 | CY7C68053-56BAX | 121 | 168 | 80 | 0 |
| BZ56GABGL | RA-CML | NR072032 | R1 | 7C680510AC-RABZI | 121 | 168 | 50 | 0 |
| BZ56GABGL | RA-CML | NR072032 | R2 | CY7C68053-56BAXI | 121 | 168 | 45 | 0 |
| BZ56GABGL | RA-CML | NR072032 | R3 | CY7C68053-56BAXI | 121 | 168 | 42 | 0 |
| BZ56IAAAGL | AT-TAIWAN | MR074053 | R1 | CY7C68053-56BAXIT | 121 | 168 | 80 | 0 |
| BZ56IAAAGL | AIT-INDONESIA | MR081053 | R1 | CY7C68053-56BAXI | 121 | 168 | 80 | 0 |
| BZ56IAAAGL | AT-INDS | MR082055 | R1 | CY7C68053-56BAXI | 121 | 168 | 80 | 0 |
| BZ56IAAAGL | AT-INDONESIA | NR072003 | R1 | CY7C68053*56BAXI | 121 | 168 | 80 | 0 |
| BZ56IAAAGL | AIT-INDONESIA | NR072003 | R3 | CY7C68053-56BAXI | 121 | 168 | 50 | 0 |

Summary for Package Family : VFBGA (0.75-0.8, 0.3mm, Pb-Free) (40 records)

| Sum | | | | | | | 2,540 | 0 |
|--------------------|----------------|----------|----|-------------------|-----|-----|-------|---|
| PBGA (1.27) | | | | | | | | |
| BG119ABALE | AT - Indonesia | 73702 | R1 | CY7C1012SV33 | 121 | 168 | 80 | 0 |
| BG119JALE | G-TAIWAN | MR081047 | R1 | CY7C1021AV33-8BGC | 121 | 168 | 80 | 0 |
| BG119SALE | G-TAIWAN | MR073002 | R1 | CY7C1354C-166BGC | 121 | 168 | 80 | 0 |
| BG119SALE | G-TAIWAN | MR074032 | R1 | CY7C1354C-166BGC | 121 | 168 | 80 | 0 |

Summary for Package Family : PBGA (1.27) (4 records)

Sum **320** **0**

PBGA (Cavity/Heatsink)

Summary for Package Family : PBGA (Cavity/Heatsink) (0 record)

Sum **0** **0**

PBGA (Pb-Free)

Summary for Package Family : PBGA (Pb-Free) (0 record)

Sum **0** **0**

PDIP

| | | | | | | | | |
|------------|-------|----------|----|--------------|-----|-----|----|---|
| P246DGAAGB | X-MMT | MR081066 | R1 | CY7C264-35PC | 121 | 168 | 80 | 0 |
|------------|-------|----------|----|--------------|-----|-----|----|---|

Summary for Package Family : PDIP (1 record)

Sum **80** **0**

PDIP (Pb-Free)

| | | | | | | | | |
|-----------|-------|----------|----|----------|-----|-----|----|---|
| PZ183AXGN | O-IND | MR074015 | R1 | CS6632AF | 121 | 168 | 77 | 0 |
|-----------|-------|----------|----|----------|-----|-----|----|---|

| | | | | | | | | |
|-----------|--------|----------|----|----------|-----|-----|----|---|
| PZ183AXGN | O-INDS | MR081042 | R1 | CS6632AF | 121 | 168 | 56 | 0 |
|-----------|--------|----------|----|----------|-----|-----|----|---|

| | | | | | | | | |
|-----------|--------|----------|----|----------------|-----|-----|----|---|
| PZ183DAGN | RA-CML | MR073050 | R1 | CY7C63723C-PXC | 121 | 168 | 80 | 0 |
|-----------|--------|----------|----|----------------|-----|-----|----|---|

| | | | | | | | | |
|-----------|--------|----------|----|----------------|-----|-----|----|---|
| PZ183DAGN | RA-CML | MR081068 | R1 | CY7C63723C-PXC | 121 | 168 | 80 | 0 |
|-----------|--------|----------|----|----------------|-----|-----|----|---|

| | | | | | | | | |
|-----------|--------|----------|----|----------------|-----|-----|----|---|
| PZ183DAGN | RA-CML | MR082065 | R1 | CY7C63723C-PXC | 121 | 168 | 80 | 0 |
|-----------|--------|----------|----|----------------|-----|-----|----|---|

Summary for Package Family : PDIP (Pb-Free) (5 records)

Sum **373** **0**

PLCC

| | | | | | | | | |
|------------|-------|----------|----|-------------|-----|-----|----|---|
| J32RBGAAGB | X-MMT | MR064023 | R1 | CY7B991-5JI | 121 | 168 | 50 | 0 |
|------------|-------|----------|----|-------------|-----|-----|----|---|

| | | | | | | | | |
|------------|------------|----------|----|--------------|-----|-----|----|---|
| J32RBGAAGB | X-THAILAND | MR074037 | R1 | CY7C429-15JC | 121 | 168 | 80 | 0 |
|------------|------------|----------|----|--------------|-----|-----|----|---|

| | | | | | | | | |
|------------|-------|----------|----|----------------|-----|-----|----|---|
| J32RBGAAGB | MMT-X | MR081030 | R1 | CY7C4231V-15JC | 121 | 168 | 80 | 0 |
|------------|-------|----------|----|----------------|-----|-----|----|---|

| | | | | | | | | |
|------------|-------|----------|----|----------------|-----|-----|----|---|
| J32RBGAAGB | X-MMT | MR082017 | R1 | CY7B9911V-5JCT | 121 | 168 | 80 | 0 |
|------------|-------|----------|----|----------------|-----|-----|----|---|

| | | | | | | | | |
|-----------|--------|----------|----|-------------|-----|-----|----|---|
| J32RBGAGB | M-PHIL | MR071007 | R1 | CY7B991-5JC | 121 | 168 | 80 | 0 |
|-----------|--------|----------|----|-------------|-----|-----|----|---|

Summary for Package Family : PLCC (5 records)

Sum **370** **0**

PLCC (Pb-Free)

| | | | | | | | | |
|-----------|--------|----------|----|--------------|-----|-----|----|---|
| JZ32RBGAN | M-PHIL | MR064043 | R1 | CY7B991-5JXC | 121 | 168 | 50 | 0 |
|-----------|--------|----------|----|--------------|-----|-----|----|---|

| | | | | | | | | |
|-----------|--------|----------|----|----------------|-----|-----|----|---|
| JZ32RBGAN | M-PHIL | MR074011 | R1 | CY7C4241-15JXC | 121 | 168 | 80 | 0 |
|-----------|--------|----------|----|----------------|-----|-----|----|---|

| | | | | | | | | |
|-----------|--------|----------|----|---------------|-----|-----|----|---|
| JZ32RBGAN | M-PHIL | MR074011 | R2 | CY7C421-20JXC | 121 | 168 | 80 | 0 |
|-----------|--------|----------|----|---------------|-----|-----|----|---|

| | | | | | | | | |
|-----------|---------------|----------|----|--------------|-----|-----|----|---|
| JZ32RBGAN | M-PHILIPPINES | MR081063 | R1 | CY7B991-5JXC | 121 | 168 | 80 | 0 |
|-----------|---------------|----------|----|--------------|-----|-----|----|---|

| | | | | | | | | |
|-----------|--------|----------|----|---------------|-----|-----|----|---|
| JZ52SFGAN | M-PHIL | MR064033 | R1 | CY7C136-55JXC | 121 | 168 | 50 | 0 |
|-----------|--------|----------|----|---------------|-----|-----|----|---|

| | | | | | | | | |
|-----------|---------|----------|----|---------------|-----|-----|----|---|
| JZ52SFGAN | M-PHILS | MR081035 | R1 | CY7C136-55JXC | 121 | 168 | 80 | 0 |
|-----------|---------|----------|----|---------------|-----|-----|----|---|

Summary for Package Family : PLCC (Pb-Free) (6 records)

Sum **420** **0**

PQFP

Summary for Package Family : PQFP (0 record)

Sum **0** **0**

PQFP (Pb-Free)

| | | | | | | | | |
|-----------|----------|----------|----|---------------|-----|-----|----|---|
| NZ52DXGAN | G-TAIWAN | MR073059 | R1 | CY7C131-55NXC | 121 | 168 | 80 | 0 |
|-----------|----------|----------|----|---------------|-----|-----|----|---|

| | | | | | | | | |
|-----------|----------|----------|----|---------------|-----|-----|----|---|
| NZ52DXGAN | G-TAIWAN | MR074004 | R1 | CY7C136-55NXC | 121 | 168 | 80 | 0 |
|-----------|----------|----------|----|---------------|-----|-----|----|---|

| | | | | | | | | |
|-----------|--------|----------|----|---------------|-----|-----|----|---|
| NZ52DXGAN | G-ASEK | MR081004 | R1 | CY7C136-55NXC | 121 | 168 | 80 | 0 |
|-----------|--------|----------|----|---------------|-----|-----|----|---|

| | | | | | | | | |
|-----------|-------|----------|----|---------------|-----|-----|----|---|
| NZ52DXGAN | G-ASE | MR082061 | R1 | CY7C131-25NXC | 121 | 168 | 80 | 0 |
|-----------|-------|----------|----|---------------|-----|-----|----|---|

Summary for Package Family : PQFP (Pb-Free) (4 records)

Sum **320** **0**

QFN (COL, Saw Type, Pb-Free)

| | | | | | | | | |
|------------|------------|-------|----|-------------------|-----|-----|----|---|
| LG16AAAAAL | M - Manila | 80502 | R1 | CY8C20234-12LKXIT | 121 | 168 | 77 | 0 |
|------------|------------|-------|----|-------------------|-----|-----|----|---|

| | | | | | | | | |
|------------|---------|----------|----|-------------------|-----|-----|----|---|
| LG16AAAAAL | M-PHILS | MR074031 | R1 | CY8C20234-12LKXIT | 121 | 168 | 79 | 0 |
|------------|---------|----------|----|-------------------|-----|-----|----|---|

| | | | | | | | | |
|------------|---------|----------|----|------------------|-----|-----|----|---|
| LG16AAAAAL | M-PHILS | MR081027 | R1 | CY8C20234-12LKXI | 121 | 168 | 80 | 0 |
|------------|---------|----------|----|------------------|-----|-----|----|---|

| | | | | | | | | |
|------------|---------|----------|----|------------------|-----|-----|----|---|
| LG16AAAAAL | M-PHILS | MR082028 | R1 | CY8C20234-12LKXI | 121 | 168 | 80 | 0 |
|------------|---------|----------|----|------------------|-----|-----|----|---|

Summary for Package Family : QFN (COL, Saw Type, Pb-Free) (4 records)

Sum **316** **0**

QFN (0.4mm, Saw Type, Pb-free)

| | | | | | | | | |
|------------|-------------|-------|----|------------------|-----|-----|----|---|
| LN32AAAAAL | CA-Malaysia | 82008 | R1 | CY8C21434-24LCXI | 121 | 168 | 77 | 0 |
|------------|-------------|-------|----|------------------|-----|-----|----|---|

Summary for Package Family : QFN (COL, 0.6mm, Saw Type, Pb-free) (1 record)

Sum **77** **0**

QFN (Punch Type, Pb-Free)

| | | | | | | | | |
|-----------|---------|-------|----|--------------|-----|-----|----|---|
| LY16AGAGL | L-KOREA | 71003 | R2 | CYV15G0101EQ | 121 | 336 | 80 | 0 |
|-----------|---------|-------|----|--------------|-----|-----|----|---|

| | | | | | | | | |
|------------|-----------|----------|----|------------------|-----|-----|-----|---|
| LY24BGAGL | L-KOREA | 72401 | R2 | CY2546C | 121 | 168 | 80 | 0 |
| LY32AAAGR | L - Korea | 80907 | R3 | CY8C21434-24LFXI | 121 | 168 | 80 | 0 |
| LY32AAAGR | L-KOREA | MR081013 | R1 | CY8C21434-24LFXI | 121 | 168 | 80 | 0 |
| LY32AAAGR | L-KOREA | MR082048 | R1 | CG6672AMT | 121 | 168 | 80 | 0 |
| LY32AGAGL | L-KOREA | MR071008 | R1 | CY8C21434-24LFXI | 121 | 168 | 80 | 0 |
| LY32AGAGL | L-KOREA | NR072004 | R1 | CP6631AM | 121 | 168 | 80 | 0 |
| LY32BGAGL | RA-CML | 64402 | R1 | CY8C21434-24LFXI | 121 | 168 | 45 | 0 |
| LY32BGAGL | RA-CML | 82902 | R1 | CY8C21434-24LTXI | 121 | 168 | 77 | 0 |
| LY56AGAGL | L-KOREA | 70901 | R3 | CY7C65630-56LFXC | 121 | 168 | 85 | 0 |
| LY56AGAGL | L-KOREA | MR081028 | R1 | CY7C65630-56LFXC | 121 | 168 | 80 | 0 |
| LY56AGAGL | L-KOREA | MR082031 | R1 | CY7C65630-56LFXC | 121 | 168 | 80 | 0 |
| LY56DGAGL | L-KOREA | MR074021 | R1 | CY7C64215-56LFXC | 121 | 168 | 80 | 0 |
| LY68AGABGL | L-KOREA | MR072044 | R1 | CS6656AAT | 121 | 168 | 100 | 0 |

Summary for Package Family : QFN (Punch Type, Pb-Free) (14 records)

Sum 1,107 0

QFN (Punch Type, 0.6mm, Pb-Free)

| | | | | | | | | |
|------------|---------|----------|----|------------------|-----|-----|----|---|
| LK32AABAGL | L-SEOUL | MR074006 | R1 | CY8C20434-12LKXI | 121 | 168 | 80 | 0 |
| LK32AABAGL | L-KOREA | MR074043 | R1 | CY8C20434-12LKXI | 121 | 168 | 80 | 0 |
| LK32AABAGL | L-KOREA | MR081039 | R1 | CY8C20434-12LKXI | 121 | 168 | 80 | 0 |
| LK32AABAGL | L-KOREA | MR082022 | R1 | CY8C20434-12LKXI | 121 | 168 | 80 | 0 |
| LK32AABAGL | L-KOREA | NR072004 | R1 | CY8C20434-12LKXI | 121 | 168 | 80 | 0 |
| LK32AABAGL | L-KOREA | NR072004 | R2 | CY8C20424-12LKXI | 121 | 168 | 80 | 0 |
| LK32AABAGL | L-KOREA | NR072004 | R3 | CP6683AM | 121 | 168 | 80 | 0 |
| LK32IGAGL | RA-CML | MR071010 | R1 | CS6655AA | 121 | 168 | 78 | 0 |
| LK32IGAGL | RA-CML | MR074024 | R1 | CP6745AMT | 121 | 168 | 80 | 0 |
| LY56DGAGL | L-KOREA | MR074021 | R1 | CY7C64215-56LFXC | 121 | 168 | 80 | 0 |

Summary for Package Family : QFN (Punch Type, 0.6mm, Pb-Free) (10 records)

Sum 798 0

QFN (Saw Type, Pb-Free)

| | | | | | | | | |
|------------|---------------|----------|----|-------------------|-----|-----|----|---|
| LT32BAAAGL | CA-MALAYSIA | 74701 | R1 | CY8C21434-24LTXI | 121 | 168 | 80 | 0 |
| LT32BAAAGL | CA-MALAYSIA | NR082002 | R1 | CY8C21434-24LTXI | 121 | 168 | 76 | 0 |
| LT32BAAAGL | CA-MALAYSIA | NR082002 | R2 | CY8C21434-24LTXI | 121 | 168 | 77 | 0 |
| LT32BAAAGL | CA-MALAYSIA | NR082002 | R3 | CY8C21434-24LTXI | 121 | 168 | 77 | 0 |
| LT68AAAAGL | AIT-Indonesia | 72603 | R2 | CY8C24994A-24LKXI | 121 | 168 | 77 | 0 |

Summary for Package Family : QFN (Saw Type, Pb-Free) (5 records)

Sum 387 0

QFN (Saw Type, 0.6mm, Pb-Free)

| | | | | | | | | |
|-----------|---------------|----------|----|------------------|-----|-----|----|---|
| LQ24ABAAL | AT-IND | MR074008 | R1 | CP6705ATT | 121 | 168 | 79 | 0 |
| LQ24ABAAL | AIT-INDS | MR081014 | R1 | CY8C20334-12LQXI | 121 | 168 | 80 | 0 |
| LQ24ABAAL | AT-INDNS | MR082030 | R1 | CY8C20334-12LQXI | 121 | 168 | 80 | 0 |
| LQ24ABAAL | AT-INDONESIA | NR073002 | R1 | CP6705ATT | 121 | 168 | 80 | 0 |
| LQ24ABAAL | AT-INDONESIA | NR073002 | R2 | CP6705AT | 121 | 168 | 78 | 0 |
| LQ24ABAAL | AIT-INDONESIA | NR074003 | R1 | CY8C20334-12LQXI | 121 | 168 | 80 | 0 |
| LQ24ABAAL | AIT-INDONESIA | NR074003 | R2 | CY8C20334-12LQXI | 121 | 168 | 80 | 0 |
| LQ24ABAAL | AIT-INDONESIA | NR074003 | R3 | CP6785AM | 121 | 168 | 78 | 0 |

Summary for Package Family : QFN (Saw Type, 0.6mm, Pb-Free) (8 records)

Sum 635 0

QSOP (Pb-Free)

| | | | | | | | | |
|-----------|-------|----------|----|---------------|-----|-----|----|---|
| SQ2012AGN | R-CML | MR074050 | R1 | CY247450XC | 121 | 168 | 80 | 0 |
| SQ2414AGN | R-CML | MR073054 | R1 | CY7C63823-QXC | 121 | 168 | 68 | 0 |
| SQ2414AGN | R-CML | MR081031 | R1 | CY7C63723-QXC | 121 | 168 | 79 | 0 |
| SQ2414AGN | R-CML | MR082036 | R1 | CY7C63823-QXC | 121 | 168 | 80 | 0 |

Summary for Package Family : QSOP (Pb-Free) (4 records)

Sum 307 0

SNC

SN2831AHN

Summary for Package Family : SNC (0 record)

Sum 0 0

SNC (Pb-Free)

| | | | | | | | | |
|------------|-------|----------|----|-------------------|-----|-----|----|---|
| SY2831AHN | R-CML | MR074058 | R1 | CY6264-55SNXI | 121 | 168 | 80 | 0 |
| SY2831BBLN | R-CML | MR081048 | R1 | CY62256NLL-55SNXI | 121 | 168 | 80 | 0 |
| SY2831BBLN | R-CML | MR081059 | R1 | CY62256NLL-55SNXI | 121 | 168 | 80 | 0 |
| SY2831BBLN | R-CML | MR082037 | R1 | CY62256NLL-70SNXC | 121 | 168 | 80 | 0 |
| SY2831BLN | R-CML | MR073014 | R1 | CY62256NLL-70SNXC | 121 | 168 | 80 | 0 |

Summary for Package Family : SNC (Pb-Free) (5 records)

Sum **400** **0**

SOIC

| | | | | | | | | |
|------------|----------|----------|-----|-----------------|-----|------|----|---|
| S0815BAAGB | O-TAIWAN | MR074054 | R1 | CY2304SI-1T | 121 | 168 | 77 | 0 |
| S0815KAGB | AMKOR-M | MR074062 | R1 | CY2302SC-1T | 121 | 168 | 80 | 0 |
| S0815PAGN | CML-RA | MR081010 | R1 | CY2305SC-1H | 121 | 168 | 80 | 0 |
| S1615DAGB | M-PHIL | MR073038 | R1 | CY2292SI-705T | 121 | 168 | 80 | 0 |
| S1615EAGB | M-PHILS | MR082014 | R1 | CY2309SC-1H | 121 | 168 | 80 | 0 |
| S1615KAGN | RA-CML | MR064055 | R1A | CY2292SL-1K2 | 121 | 1176 | 46 | 0 |
| S1615KAGN | RA-CML | MR064055 | R1A | CY2292SL-1K2 | 121 | 1344 | 46 | 0 |
| S1615KAGN | RA-CML | MR064055 | R1A | CY2292SL-1K2 | 121 | 1512 | 46 | 0 |
| S1615KAGN | RA-CML | MR064055 | R1A | CY2292SL-1K2 | 121 | 1848 | 42 | 0 |
| S1615KAGN | R-CML | MR073015 | R1 | CY2309NZSC-1H | 121 | 168 | 80 | 0 |
| S324512LL | R-CML | 63604 | R1 | 7C621483NCC-RSC | 121 | 168 | 45 | 0 |
| S324512LL | R-CML | 63604 | R4 | 7C621483NCC-RSC | 121 | 168 | 45 | 0 |

Summary for Package Family : SOIC (12 records)

Sum **747** **0**

SOIC (Pb-Free)

| | | | | | | | | |
|------------|-------------|----------|-----|--------------------|-----|-----|----|---|
| SZ15PAGN | RA-CML | NR081002 | R3 | CY25560SXC | 121 | 168 | 80 | 0 |
| SZ1615DGN | M-PHIL | MR073039 | R1 | CY2292FXC | 121 | 168 | 80 | 0 |
| SZ1615DGN | M-Phils | MR074022 | R1 | CY8C21234-24SXI | 121 | 168 | 80 | 0 |
| SZ1615EGN | M-PHIL | MR081005 | R1 | CY2309SXC-1HT | 121 | 168 | 80 | 0 |
| SZ1615EGN | M-PHILS | MR082025 | R1 | CY2309NZSXC-1H | 121 | 168 | 80 | 0 |
| SZ1615FAL | T-OSE | MR081049 | R1 | CY2309CSXC-1 | 121 | 168 | 79 | 0 |
| SZ1615FAL | T-OSE | MR082016 | R1 | CY8C201A0-SX2I | 121 | 168 | 80 | 0 |
| SZ1615KAGN | RA-CML | MR074039 | R1 | CY2309SC-1 | 121 | 168 | 80 | 0 |
| SZ1615KGN | RA-CML | MR073010 | R1 | CY2309SXC-1HT | 121 | 168 | 80 | 0 |
| SZ1615KGN | RA-CML | MR074044 | R1 | CY2309NZSXC-1H | 121 | 168 | 80 | 0 |
| SZ1615KGN | RA-CML | MR082015 | R1 | CY2309SXC-1HT | 121 | 168 | 80 | 0 |
| SZ1615KGN | RA-CML | NR072009 | R1 | CY2292SXI-1T1 | 121 | 168 | 79 | 0 |
| SZ1615KGN | RA-CML | NR072009 | R2 | CY2292SXL-1X5T | 121 | 168 | 80 | 0 |
| SZ1615KGN | RA-CML | NR072009 | R3 | CY2292SXI-1T1 | 121 | 168 | 80 | 0 |
| SZ1615NAGN | CA-MALAYSIA | 82203 | R1 | CY8C20180-SX2I | 121 | 168 | 80 | 0 |
| SZ1815CGAN | M-PHILS | MR082023 | R1 | CY8C24123A-24SXI | 121 | 168 | 80 | 0 |
| SZ183CGAN | RA-CML | MR073013 | R1 | CY7C63723-SXC | 121 | 168 | 80 | 0 |
| SZ183CGAN | RA-CML | MR074002 | R1 | CY7C63723C | 121 | 168 | 80 | 0 |
| SZ183CGAN | RA-CML | MR082012 | R1 | CY7C63723C-SXC | 121 | 168 | 79 | 0 |
| SZ2032GAN | R-CML | MR081012 | R1 | CY2291FX | 121 | 168 | 80 | 0 |
| SZ24312BGN | R-CML | MR082057 | R1 | CY7C63743C-SXC | 121 | 168 | 80 | 0 |
| SZ24312GN | R-CML | MR074040 | R1 | CS6575AA | 121 | 168 | 80 | 0 |
| SZ28327BGL | R-CML | MR082006 | R1 | CY8C27443-24SXI | 121 | 168 | 80 | 0 |
| SZ32157BLN | R-CML | MR081006 | R1 | CG6707AM | 121 | 168 | 80 | 0 |
| SZ324513LN | R-CML | MR073007 | R1 | CY62128BNLL-70SXIT | 121 | 168 | 80 | 0 |
| SZ324516LL | R-CML | MR082005 | R1 | CY62148ELL-55SXI | 121 | 168 | 80 | 0 |
| SZ32457LN | R-CML | MR074005 | R1 | CG6707AM | 121 | 168 | 80 | 0 |
| SZ815CGAN | M - Manila | 80803 | R1 | CY2305CSXI-1H | 121 | 96 | 80 | 0 |
| SZ815CGAN | M - Manila | 80803 | R1 | CY2305CSXI-1H | 121 | 168 | 80 | 0 |
| SZ815CGAN | M - Manila | 80803 | R2 | CY2305CSXI-1H | 121 | 96 | 80 | 0 |
| SZ815CGAN | M - Manila | 80803 | R2 | CY2305CSXI-1H | 121 | 168 | 80 | 0 |
| SZ815CGAN | M - Manila | 80803 | R3 | CY2305CSXI-1H | 121 | 96 | 80 | 0 |
| SZ815CGAN | M - Manila | 80803 | R3 | CY2305CSXI-1H | 121 | 168 | 80 | 0 |
| SZ815CGAN | M-PHILS | MR074023 | R1 | CY8C24123A-24SXIT | 121 | 168 | 79 | 0 |
| SZ815PAGN | RA-CML | MR081034 | R1 | CY2305SXC-1H | 121 | 168 | 80 | 0 |
| SZ815PAGN | RA-CML | NR081002 | R14 | CY22560SXI | 121 | 168 | 80 | 0 |
| SZ815PAGN | RA-CML | NR081002 | R2 | CY25560SXC | 121 | 168 | 80 | 0 |



Summary for Package Family : SOIC (Pb-Free) (37 records)

Sum **2,956** **0**

SSOP

Summary for Package Family : SSOP (0 record)

Sum **0** **0**

SSOP (Pb-Free)

| | | | | | | | | |
|------------|----------|----------|-----|-------------------|-----|-----|----|---|
| SP2029AAGL | RA-CML | MR074018 | R1 | CY8C21334-24PVXIT | 121 | 168 | 80 | 0 |
| SP2029AAGL | RA-CML | MR081064 | R1 | CY8C21334-24PVXI | 121 | 168 | 80 | 0 |
| SP202AAAGN | RA-CML | MR082007 | R1 | CP6650AMT | 121 | 168 | 80 | 0 |
| SP2814HAL | M-PHIL | MR064068 | R1 | CS6250AM | 121 | 168 | 50 | 0 |
| SP2814HAL | M-PHIL | MR064068 | R1 | CS6250AM | 121 | 168 | 50 | 0 |
| SP2814HAL | M-PHIL | MR064068 | R1 | CS6250AM | 121 | 168 | 50 | 0 |
| SP28214GL | T-TAIWAN | MR074051 | R1 | CY8C24423A-24PVXI | 121 | 168 | 80 | 0 |
| SP28214GL | T-OSE | MR081009 | R1 | CY8C24494-24PVXI | 121 | 168 | 80 | 0 |
| SP28214GL | T-OSE | MR082013 | R1 | CY8C26443-24PVX | 121 | 168 | 80 | 0 |
| SP28215GGL | RA-CML | MR073021 | R1 | CY8C27443-24PVXI | 121 | 168 | 78 | 0 |
| SP28215GGL | RA-CML | MR081016 | R1A | CY8C21534-24PVXI | 121 | 168 | 80 | 0 |
| SP2822BGL | M-PHILS | MR081043 | R1 | CY8C21534-24PVXAT | 121 | 96 | 80 | 0 |
| SP2822BGL | M-PHILS | MR081043 | R1 | CY8C21534-24PVXAT | 121 | 168 | 80 | 0 |
| SP2822BGL | M-PHILS | MR082038 | R1 | CY8C24423A-12PVXE | 121 | 168 | 80 | 0 |
| SP2822BGL | M-PHILS | MR083008 | R1 | CY8C21534-12PVXET | 121 | 96 | 80 | 0 |
| SP2822BGL | M-PHIL | NR071001 | R2A | CP6659AM | 121 | 168 | 80 | 0 |
| SP483HAAGR | M-PHILS | MR082071 | R1 | CY14B101L-SP45XC | 121 | 168 | 80 | 0 |
| SP563AAGN | R-CML | MR074027 | R1 | CY7C68000-56PVX | 121 | 168 | 79 | 0 |
| SP563BBGGL | R-CML | MR082008 | R1 | CY7C68300C-56PVXC | 121 | 168 | 79 | 0 |
| SP563BBGGL | T-TAIWAN | MR074059 | R1 | CY7C68014A-56PVXC | 121 | 168 | 79 | 0 |
| SP563BGAL | R-CML | MR081007 | R1 | CY7C68300C-56PVXC | 121 | 168 | 80 | 0 |

Summary for Package Family : SSOP (Pb-Free) (21 records)

Sum **1,585** **0**

SOIC (J-Lead)

| | | | | | | | | |
|------------|-------|----------|----|-----------------|-----|-----|----|---|
| V2831ALL | R-CML | MR074048 | R1 | CY7C199CN-15VCT | 121 | 168 | 80 | 0 |
| V2835GALN | R-CML | MR073047 | R1 | CY7C185-15VI | 121 | 168 | 80 | 0 |
| V284CGAGGB | O-IND | MR074014 | R1 | CY7C107BN-15VCT | 121 | 168 | 77 | 0 |
| V3646GALL | R-CML | MR073033 | R1 | CY7C1049CV33- | 121 | 168 | 80 | 0 |

Summary for Package Family : SOIC (J-Lead) (4 records)

Sum **317** **0**

SOIC (J-Lead, Pb-Free)

| | | | | | | | | |
|------------|-------|----------|----|----------------------------------|-----|-----|----|---|
| VZ28311BLL | CML-R | MR081033 | R1 | CY7C1399BN-12VXI CY7C1399BNL- | 121 | 168 | 80 | 0 |
| VZ28311KLL | R-CML | MR073008 | R1 | 15VXCT | 121 | 168 | 80 | 0 |
| VZ28313BLN | R-CML | MR082056 | R1 | CY7C1399BN-12VXC | 121 | 168 | 80 | 0 |
| VZ28313BLN | R-CML | MR083003 | R1 | CY7C1399BN-12VXC | 121 | 168 | 80 | 0 |
| VZ2835GKLN | R-CML | MR074033 | R1 | CY7C421-20VXC | 121 | 168 | 80 | 0 |
| VZ32418LL | R-CML | NR064001 | R1 | 7C109SMC-RVZC | 121 | 168 | 50 | 0 |
| VZ32418LL | R-CML | NR064001 | R2 | 7C109SMC-RVZC | 121 | 168 | 50 | 0 |
| VZ32420GLL | R-CML | MR081008 | R1 | CY7C109D-10VXI CY7C1049CV33- | 121 | 168 | 80 | 0 |
| VZ3646BGLL | R-CML | MR082009 | R1 | 10VXC CY7C1049CV33- | 121 | 168 | 80 | 0 |
| VZ3646GLL | R-CML | MR074001 | R1 | 10VXCT CY7C1049DV33- | 121 | 168 | 80 | 0 |
| VZ3648GALL | R-CML | MR073032 | R1 | 10VXIT | 121 | 168 | 71 | 0 |
| VZ444WAGL | R-CML | MR081050 | R1 | CY7C1021B-12VXC | 121 | 168 | 79 | 0 |

Summary for Package Family : SOIC (J-Lead, Pb-Free) (12 records)

Sum **890** **0**

TQFP

| | | | | | | | | |
|------------|---------|----------|----|----------------|-----|-----|----|---|
| A100SEGAGL | R-CML | MR073004 | R1 | CY7B994V-2AC | 121 | 168 | 80 | 0 |
| A32BVGBGB | Q-KOREA | MR074019 | R1 | CY7C4221V-15AC | 121 | 168 | 80 | 0 |
| A32BXGBGB | Q-KOREA | MR073040 | R1 | CY7C433-10AC | 121 | 168 | 80 | 0 |
| A32BXGBGB | Q-KOREA | MR081038 | R1 | CY7C4221V-15AC | 121 | 168 | 80 | 0 |
| A32LXGXGB | Q-KOREA | MR082024 | R1 | CY29948AC | 121 | 168 | 80 | 0 |
| A52ASGAGE | Q-KOREA | MR071062 | R1 | CY7B9973V-AC | 121 | 168 | 80 | 0 |

Summary for Package Family : TQFP (6 records)

| | | | | | | | | |
|-----------------------|---------|----------|-----|----------------|-----|-----|------------|----------|
| Sum | | | | | | | 480 | 0 |
| TQFP (10 X 10) | | | | | | | | |
| AS64CGAGB | Q-KOREA | MR073048 | R1B | CY7C4275-15ASC | 121 | 168 | 76 | 0 |
| AS64CGAGB | Q-KOREA | MR081026 | R1 | CY7C4285-15ASI | 121 | 168 | 80 | 0 |

Summary for Package Family : TQFP (10 X 10) (2 records)

| | | | | | | | | |
|-----------------------|----------|----------|-----|--------------------------------|-----|-----|------------|----------|
| Sum | | | | | | | 156 | 0 |
| TQFP (Pb-Free) | | | | | | | | |
| AZ100RXBLL | R-CML | MR081045 | R1 | CY7C1360C-166AXC | 121 | 168 | 79 | 0 |
| AZ100SFA | R-CML | MR082049 | R1 | CY7C024-25AXC CY7C1049DV33- | 121 | 168 | 80 | 0 |
| AZ100SFAL | R-CML | MR073022 | R1 | 10VXIT | 121 | 168 | 79 | 0 |
| AZ100SFAL | R-CML | MR074036 | R1 | CY7C025-25AXC | 121 | 168 | 80 | 0 |
| AZ100SFAL | R-CML | MR081017 | R1 | CY7C024-25AXC | 121 | 168 | 80 | 0 |
| AZ120DAGAR | L-Korea | 80610 | R1 | CY7C0831AV-133AXI | 121 | 168 | 77 | 0 |
| AZ128SABLL | R-CML | MR082004 | R1 | CY7C68013A-128AXC | 121 | 168 | 80 | 0 |
| AZ144AAAGR | Q-KOREA | MR081054 | R1 | CY7C056V-15AXC | 121 | 168 | 80 | 0 |
| AZ32BXGAN | Q-KOREA | MR073057 | R1 | CY7C4251-15AXC | 121 | 168 | 80 | 0 |
| AZ32BXGAN | Q-KOREA | MR081015 | R1A | CY7C4201V-15AXC | 121 | 168 | 80 | 0 |
| AZ32BXGAN | Q-KOREA | MR082054 | R1 | CY7C4251V-15AXC | 121 | 168 | 80 | 0 |
| AZ32GXGAN | G-TAIWAN | MR081051 | R1A | CY29942AXCT | 121 | 168 | 80 | 0 |
| AZ32GXGAN | G-ASE | MR082020 | R1 | CY29942AXI | 121 | 168 | 80 | 0 |
| AZ32LXGAN | Q-KOREA | MR074020 | R1 | CY7C425-10AXC CY37032VP44- | 121 | 168 | 80 | 0 |
| AZ44SFGAN | R-CML | MR073031 | R1 | 100AXC | 121 | 168 | 79 | 0 |
| AZ44SGGAN | R-CML | MR082040 | R1 | CS6567AM | 121 | 168 | 80 | 0 |
| AZ44SGGAN | R-CML | MR082060 | R1 | CS6567AM | 121 | 168 | 80 | 0 |
| AZ64HXGAL | RA-CML | MR074007 | R1 | CY7C63723C | 121 | 168 | 80 | 0 |

Summary for Package Family : TQFP (Pb-Free) (18 records)

| | | | | | | | | |
|-----------------------|---------|----------|----|-----------------------|-----|-----|--------------|----------|
| Sum | | | | | | | 1,434 | 0 |
| TQFP (Thermal) | | | | | | | | |
| AT120ABAGE | Q-KOREA | NR072029 | R1 | CYS25G0101DX- ATXC | 121 | 168 | 80 | 0 |
| AT120ABAGE | Q-KOREA | NR072029 | R2 | CYS25G0101DX- ATXC | 121 | 168 | 80 | 0 |
| AT120ABAGE | Q-KOREA | NR072029 | R3 | CYS25G0101DX- ATXC | 121 | 168 | 80 | 0 |

Summary for Package Family : TQFP (Thermal) (3 records)

| | | | | | | | | |
|--------------------------------|---------|----------|----|-----------------------|-----|-----|------------|----------|
| Sum | | | | | | | 240 | 0 |
| TQFP (Thermal, Pb-Free) | | | | | | | | |
| AG120ABAGR | Q-KOREA | NR072017 | R1 | CYS25G0101DX- ATXC | 121 | 168 | 80 | 0 |
| AG120ABAGR | Q-KOREA | NR072017 | R2 | CYS25G0101DX- ATXC | 121 | 168 | 50 | 0 |

Summary for Package Family : TQFP (Thermal, Pb-Free) (2 records)

| | | | | | | | | |
|-----------------------|----------|----------|----|--------------------------------------|-----|-----|------------|----------|
| Sum | | | | | | | 130 | 0 |
| TSOP (Pb-Free) | | | | | | | | |
| ZT28R4AGL | R-CML | 80302 | R3 | CY7C1399BNL-12ZXC | 121 | 168 | 80 | 0 |
| ZT28R4AGL | R-CML | MR074045 | R1 | CY7C1399BNL-12ZXC | 121 | 168 | 80 | 0 |
| ZT28R4AGL | R-CML | MR081058 | R1 | CY7C1399BNL-12ZXC | 121 | 168 | 80 | 0 |
| ZT28RGLL | R-CML | MR073052 | R1 | CY7C199D-10ZXI | 121 | 168 | 80 | 0 |
| ZT32RABALL | T-TAIWAN | MR073024 | R1 | CY62128BELL-45ZXIT CY62128EV30LL- | 121 | 168 | 80 | 0 |
| ZT32RABALL | T-TAIWAN | MR073034 | R1 | 45ZXI CY62128EV30LL- | 121 | 168 | 80 | 0 |
| ZT32RABALL | T-TAIWAN | MR081060 | R1 | 45ZXI CY62128EV30LL- | 121 | 168 | 80 | 0 |
| ZT32RABALL | T-OSE | MR082019 | R1 | 45ZXI | 121 | 168 | 80 | 0 |
| ZT32RADALL | RA-CML | MR074028 | R1 | CY62128BELL-45ZXI | 121 | 168 | 78 | 0 |
| ZT32RADALL | RA-CML | NR073006 | R1 | CY62128BELL-45ZXIT | 121 | 16 | 45 | 0 |
| ZT32RADALL | RA-CML | NR073006 | R2 | CY62128BELL-45ZXIT | 121 | 168 | 45 | 0 |
| ZT32RADALL | RA-CML | NR073006 | R3 | CY62128BELL-45ZXIT | 121 | 168 | 45 | 0 |

Summary for Package Family : TSOP (Pb-Free) (12 records)

| | | | | | | | | |
|------------|--|--|--|--|--|--|------------|----------|
| Sum | | | | | | | 853 | 0 |
|------------|--|--|--|--|--|--|------------|----------|

TSOP I

Summary for Package Family : TSOP I (0 record)

Sum **0** **0**

TSOP I (Pb-Free)

| | | | | | | | | |
|------------|-------|----------|----|----------------------|-----|-----|----|---|
| ZB32RHALL | R-CML | MR082053 | R1 | CY62128DV30LL-55ZAXI | 121 | 168 | 79 | 0 |
| ZB32RHALLN | R-CML | MR073025 | R1 | CY62128EV30LL-45ZAXI | 121 | 168 | 80 | 0 |
| ZB32RHALLN | R-CML | MR074026 | R1 | CY62126EV30LL-45ZAXI | 121 | 168 | 80 | 0 |
| ZB32RHALLN | R-CML | MR081029 | R1 | CY62128EV30LL-45AZXI | 121 | 168 | 80 | 0 |
| ZB32RHALLN | R-CML | MR082003 | R1 | CY62128EV30LL-45ZAXI | 121 | 168 | 80 | 0 |

Summary for Package Family : TSOP I (Pb-Free) (5 records)

Sum **399** **0**

TSOP II

| | | | | | | | | |
|-----------|-------|----------|----|-------------------|-----|-----|----|---|
| ZS444ABAL | R-CML | MR074069 | R1 | CY7C1020CV33-12ZC | 121 | 168 | 80 | 0 |
| ZS444RAGB | R-CML | MR073027 | R1 | CG6079AA | 121 | 168 | 80 | 0 |

Summary for Package Family : TSOP II (2 records)

Sum **160** **0**

TSOP II (Pb-Free)

| | | | | | | | | |
|------------|----------|----------|----|----------------------|-----|-----|----|---|
| ZW324CBLL | OSE-T | MR081025 | R1 | CY62148ELL-45ZSXI | 121 | 168 | 80 | 0 |
| ZW324CBLL | T-OSE | MR082026 | R1 | CY62148ELL-45ZSXI | 121 | 168 | 80 | 0 |
| ZW324GALL | T-OSE | MR074042 | R1 | CY7C1019D-10ZSXI | 121 | 168 | 80 | 0 |
| ZW444AJGN | R-CML | MR073012 | R1 | CY7C1021CV33-12ZXC | 121 | 168 | 80 | 0 |
| ZW444AKALN | R-CML | MR074034 | R1 | CY7C1041CV33-10ZXC | 121 | 168 | 80 | 0 |
| ZW444AMBLN | R-CML | MR081003 | R1 | CY62157EV30LL-45ZSXI | 121 | 168 | 80 | 0 |
| ZW444AMBLN | R-CML | MR082002 | R1 | CY62146EV30LL-45SZSX | 121 | 168 | 80 | 0 |
| ZW544AALL | G-TAIWAN | MR064024 | R1 | CY7C1061AV33-12ZXC | 121 | 168 | 50 | 0 |
| ZW544AALL | G-TAIWAN | MR064024 | R1 | CY7C1061AV33-12ZXC | 121 | 168 | 50 | 0 |
| ZW544AALL | G-TAIWAN | MR082034 | R1 | CY7C1069AV33-10ZXC | 121 | 168 | 80 | 0 |

Summary for Package Family : TSOP II (Pb-free) (10 records)

Sum **740** **0**

EXPOSED TSOP (Pb-free)

| | | | | | | | | |
|-----------|---------|----------|----|---------------|-----|-----|----|---|
| ZL2017AGN | M-Phils | MR074052 | R1 | CY27EE16FZXEC | 121 | 168 | 80 | 0 |
|-----------|---------|----------|----|---------------|-----|-----|----|---|

Summary for Package Family : EXPOSED TSOP (Pb-free) (1 record)

Sum **80** **0**

RTSOP

| | | | | | | | | |
|-----------|-------|----------|----|------------------|-----|-----|----|---|
| ZR28R2AGN | R-CML | MR073030 | R1 | CY62256LL-70ZRIT | 121 | 168 | 80 | 0 |
|-----------|-------|----------|----|------------------|-----|-----|----|---|

Summary for Package Family : RTSOP (1 record)

Sum **80** **0**

RTSOP (Pb-free)

| | | | | | | | | |
|-----------|-------|----------|----|----------------|-----|-----|----|---|
| ZY28R2AGN | R-CML | MR073036 | R1 | CY7C4241-15JXC | 121 | 168 | 80 | 0 |
|-----------|-------|----------|----|----------------|-----|-----|----|---|

Summary for Package Family : RTSOP (Pb-free) (1 record)

Sum **80** **0**

TSSOP

| | | | | | | | | |
|-----------|----------|----------|----|---------------|-----|-----|----|---|
| Z0812TAGE | T-TAIWAN | MR074049 | R1 | CY2077ZC-111T | 121 | 168 | 80 | 0 |
| Z1611XAGB | M-PHILS | MR082033 | R1 | CY2308ZC-1H | 121 | 168 | 80 | 0 |
| Z1613GAGB | T-TAIWAN | MR074029 | R1 | CY2308ZC-1H | 121 | 168 | 80 | 0 |
| Z1619GAGN | RA-CML | MR073011 | R1 | CY22050FI | 121 | 168 | 80 | 0 |
| Z1620GAGN | RA-CML | MR074010 | R1 | CY22393FC | 121 | 168 | 78 | 0 |
| Z1620GAGN | RA-CML | MR081036 | R1 | CY2309ZC-1H | 121 | 168 | 80 | 0 |
| Z1620GAGN | RA-CML | MR082029 | R1 | CY2309ZC-1H | 121 | 168 | 80 | 0 |

Summary for Package Family : TSSOP (7 records)

Sum **558** **0**

TSSOP (Pb-Free)

| | | | | | | | | |
|------|-----------|-------|----|------------|-----|-----|----|---|
| ZZ08 | VIGILANT- | 72303 | R1 | CY24904ZXC | 121 | 168 | 76 | 0 |
|------|-----------|-------|----|------------|-----|-----|----|---|

| Thailand | | | | | | | | |
|--|------------|----------|----|-------------------|-----|-----|---------------|----------|
| ZZ0813AAAL | OSE-Taiwan | 64606 | R1 | CY2XP31ZXC | 121 | 168 | 50 | 0 |
| ZZ0813AAAL | OSE-Taiwan | 64606 | R1 | CY2XP31ZXC | 121 | 288 | 50 | 0 |
| ZZ0813AAAL | OSE-Taiwan | 64606 | R1 | CY2XP31ZXC | 121 | 500 | 50 | 0 |
| ZZ0813AAAL | OSE-Taiwan | 64606 | R2 | CY2XP31ZXC | 121 | 168 | 50 | 0 |
| ZZ0813AAAL | OSE-Taiwan | 64606 | R2 | CY2XP31ZXC | 121 | 288 | 50 | 0 |
| ZZ0813AAAL | OSE-Taiwan | 64606 | R2 | CY2XP31ZXC | 121 | 500 | 49 | 0 |
| ZZ0813AAAL | OSE-Taiwan | 64606 | R3 | CY2XP31ZXC | 121 | 168 | 50 | 0 |
| ZZ0813AAAL | OSE-Taiwan | 64606 | R3 | CY2XP31ZXC | 121 | 288 | 50 | 0 |
| ZZ0813AAAL | OSE-Taiwan | 64606 | R3 | CY2XP31ZXC | 121 | 500 | 50 | 0 |
| ZZ1613HAN | T-OSE | MR082011 | R1 | CY2308ZXI-1HT | 121 | 168 | 80 | 0 |
| ZZ1614HAN | OSE-T | MR081011 | R1 | CY22395FXC | 121 | 168 | 80 | 0 |
| ZZ1619GAN | RA-CML | MR073023 | R1 | CY22392ZXC-386 | 121 | 168 | 80 | 0 |
| ZZ1619GAN | RA-CML | MR074013 | R1 | CY22393FXC | 121 | 168 | 80 | 0 |
| ZZ1620GAN | RA-CML | 71801 | R1 | CY22050FZXI | 121 | 168 | 80 | 0 |
| ZZ1620GAN | CML-RA | 82004 | R1 | CY23EP09ZXC-1HT | 121 | 168 | 74 | 0 |
| ZZ1620GAN | RA-CML | MR081046 | R1 | CY22392ZXI-384 | 121 | 168 | 80 | 0 |
| ZZ1620GAN | RA-CML | MR082032 | R1 | CY2308ZXI-1H | 121 | 168 | 80 | 0 |
| ZZ2817AGL | RA-CML | NR072006 | R3 | CY24270ZXC | 121 | 168 | 80 | 0 |
| Summary for Package Family : TSSOP (Pb-free) (19 records) | | | | | | | | |
| Sum | | | | | | | 1,239 | 0 |
| FLIPCHIP CSP (Pb-Free) | | | | | | | | |
| FN81AGAN | AU-Taiwan | NR081001 | R1 | CYWB0124ABX-FNXIT | 121 | 96 | 84 | 0 |
| FN81AGAN | AU-Taiwan | NR081001 | R2 | CYWB0124ABX-FNXIT | 121 | 96 | 89 | 0 |
| FN81AGAN | AU | NR081001 | R3 | CYWB0124ABX-FNXIT | 121 | 96 | 89 | 0 |
| FN81AGAN | AU | NR081001 | R4 | CYWB0124ABX-FNXIT | 121 | 96 | 87 | 0 |
| FN81AGAN | AU | NR081001 | R5 | CYWB0124ABX-FNXIT | 121 | 96 | 81 | 0 |
| FN81AGAN | AU | NR081001 | R6 | FDXIT | 121 | 96 | 89 | 0 |
| FN81AGAN | AU | NR081001 | R7 | CYWB0124ABX-FNXIT | 121 | 96 | 90 | 0 |
| Summary for Package Family : FLIPCHIP CSP (Pb-Free) (7 records) | | | | | | | | |
| Sum | | | | | | | 609 | 0 |
| | | | | | | | 24,232 | 4 |

Summary Detail -- HAST Performance Over Time

From: 7/2/2007
To: 6/29/2008

| Bldkit | Assy Loc | EvalNum | TV | Device | Temp | Volt | Readout | SS | Rejects | FA | Results |
|---|----------------|----------|-----|---------------------|------|------|---------|------------|----------|----|---------|
| FBGA (0.75-0.8, 0.3mm) | | | | | | | | | | | |
| BA48 | T-OSE | MR074046 | R1 | CY62137CVSL-70BAIT | 130 | 3.63 | 128 | 77 | 0 | | |
| BA48BQAAL | RA-CML | MR073051 | R1 | CY62137CVSL-70BAIT | 130 | 3.6 | 128 | 80 | 0 | | |
| BA48BQAAL | RA-CML | MR074061 | R1 | CY62137CVSL-70BAIT | 130 | 3.6 | 128 | 77 | 0 | | |
| BA48CDGALE | G-TAIWAN | MR073003 | R1A | CY7C1041CV33-10BAC | 130 | 3.65 | 128 | 35 | 0 | | |
| BA48CDGALE | G-ASE | MR074074 | R1 | CY7C1041CV33-10BAC | 130 | 3.65 | 264 | 80 | 0 | | |
| BA48CRALE | T-TAIWAN | MR071052 | R1A | CY62137CVSL-70BAI | 130 | 3.6 | 128 | 28 | 0 | | |
| BA48CRALE | T-TAIWAN | MR074068 | R1 | CY62137CVSL-70BAIT | 130 | 3.63 | 128 | 80 | 0 | | |
| BA48DJALE | G-TAIWAN | 73905 | R5 | CY62177DV30L | 130 | 3.63 | 128 | 45 | 0 | | |
| BA48CRALE | OSE-T | MR081020 | R1 | CY62137CVSL-70BAI | 110 | 3.3 | 128 | 80 | 0 | | |
| BA48DJALE | G-TAIWAN | 73905 | R5 | CY62177DV30L | 130 | 3.63 | 128 | 45 | 0 | | |
| Summary for Package Family : FBGA (0.75-0.8) (9 records) | | | | | | | | 627 | 0 | | |
| Sum | | | | | | | | | | | |
| FBGA (0.75-0.8, 0.3mm, Pb-free) | | | | | | | | | | | |
| BK48ABAALL | AIT-INDONESIA | 73503 | R1 | CY62137CVSL-70BAXI | 130 | 3.6 | 128 | 40 | 0 | | |
| BK48ABAALL | AIT-INDONESIA | 73503 | R1A | CY62137CVSL-70BAXI | 130 | 3.6 | 128 | 36 | 0 | | |
| BK48BQALL | RA-CML | MR073046 | R1 | CY62137CVSL-70BAXIT | 130 | 3.6 | 128 | 71 | 0 | | |
| BK48BWALL | G-TAIWAN | MR071045 | R1 | CY7C1021CV33-8BAXC | 130 | 3.65 | 128 | 46 | 0 | | |
| BK48BWALL | G-TAIWAN | MR072032 | R1 | CY7C1021CV33-10BAXI | 130 | 3.65 | 128 | 46 | 0 | | |
| BK48BWALL | G-Taiwan | MR072032 | R1A | CY7C1021CV33-10BAXI | 130 | 3.65 | 128 | 34 | 0 | | |
| BK48BWALL | G-TAIWAN | MR073041 | R1 | CY7C1021CV33-10BAXI | 130 | 3.65 | 128 | 50 | 0 | | |
| BK48BWBLL | G-ASE | MR074073 | R1 | CY7C1021CV33-12BAXI | 110 | 3.3 | 128 | 80 | 0 | | |
| BK48CDALL | G-TAIWAN | 73205 | R1 | CY7C1041CV33-20BAI | 130 | 3.63 | 96 | 84 | 0 | | |
| FBGA 60 | AT - Indonesia | 73603 | R1 | CY7C1069A | 130 | 3.65 | 128 | 31 | 0 | | |
| FBGA 60 | AT - Indonesia | 73603 | R1 | CY7C1069A | 130 | 3.65 | 128 | 27 | 0 | | |
| FBGA 60 | AT - Indonesia | 73603 | R1 | CY7C1069A | 130 | 3.65 | 128 | 18 | 0 | | |
| BK48BWBLL | G-ASE | MR082010 | R1 | CY7C1021CV33-10BAXI | 130 | 3.65 | 128 | 77 | 0 | | |
| Summary for Package Family : FBGA (0.75-0.8, Pb-Free) (13 records) | | | | | | | | 640 | 0 | | |
| Sum | | | | | | | | | | | |
| FBGA (1.0) | | | | | | | | | | | |
| 165 BGA | AIT-Indonesia | 73509 | R1 | CY7C1305BV25 | 130 | 1.98 | 128 | 21 | 0 | | |
| 165 BGA | AIT-Indonesia | 73509 | R2 | CY7C1305BV25 | 130 | 1.98 | 128 | 28 | 0 | | |
| 165 BGA | AIT-Indonesia | 73509 | R2 | CY7C1305BV25 | 130 | 1.98 | 128 | 49 | 0 | | |
| BB165AVLE | RA-CML | NR072019 | R3 | CY7C1313BV18-250BZC | 130 | 1.98 | 128 | 50 | 0 | | |
| BB165AVLE | RA-CML | NR073007 | R1 | CY7C1313BV18-250BZC | 130 | 1.98 | 128 | 76 | 0 | | |
| BB165AVLE | RA-CML | NR073007 | R2 | CY7C1313BV18-250BZC | 130 | 1.98 | 128 | 76 | 0 | | |

| | | | | | | | | | |
|---|----------------|----------|-----|----------------------|-----|------|-----|------------|----------|
| BB165AVLE | RA-CML | NR072019 | R13 | CY7C1313BV18-250BZC | 130 | 1.98 | 128 | 50 | 0 |
| BB165AVLE | RA-CML | NR072019 | R14 | CY7C1313BV18-250BZC | 130 | 1.98 | 128 | 26 | 0 |
| Summary for Package Family : FBGA (1.0) (8 records) | | | | | | | | | |
| Sum | | | | | | | | 376 | 0 |
| VFBGA (0.75-0.8, 0.3mm) | | | | | | | | | |
| BV48RAALE | G-TAIWAN | MR071058 | R1 | CY7C1011CV33-10BVI | 130 | 3.65 | 128 | 32 | 0 |
| BV48RAALE | G-TAIWAN | MR071058 | R1A | CY7C1011CV33-10BVI | 130 | 3.65 | 128 | 42 | 0 |
| Summary for Package Family : VFBGA (0.75-0.8, 0.3mm) (2 records) | | | | | | | | | |
| Sum | | | | | | | | 74 | 0 |
| VFBGA (0.75-0.8, 0.3mm, Pb-Free) | | | | | | | | | |
| 48 VFBGA | AT-INDONESIA | 71902 | R4 | CY62157DV30LL-70BVXU | 130 | 3.6 | 128 | 80 | 0 |
| BZ100CGAL | RA-CML | 72404 | R1 | CYWB0124AB-BVXI | 130 | 3.63 | 128 | 76 | 0 |
| BZ48BBAALL | AT-INDONESIA | 72302 | R1 | CY62167DV30LL-70BVXI | 130 | 3.6 | 128 | 77 | 0 |
| BZ48CHAALL | G-TAIWAN | MR073005 | r1 | CY62126EV30LL-45BVXI | 130 | 3.6 | 128 | 39 | 0 |
| BZ48CHAALL | G-TAIWAN | MR073005 | r1 | CY62126EV30LL-45BVXI | 130 | 3.6 | 128 | 40 | 0 |
| BZ48CNAALL | G-TAIWAN | 70906 | R4 | CY62167DV30LL | 130 | 3.6 | 128 | 44 | 0 |
| BZ56IAAAGL | AT-TAIWAN | MR074053 | R1 | CY7C68053-56BAXIT | 130 | 3.63 | 128 | 40 | 0 |
| BZ56IAAAGL | AT-IND | MR074053 | R1A | CY7C68053-56BACIT | 130 | 3.63 | 128 | 40 | 0 |
| BZ56IAAAGL | AT-INDONESIA | NR072003 | R1 | CY7C68053*56BAXI | 130 | 3.63 | 128 | 45 | 0 |
| BZ56IAAAGL | AT-INDONESIA | NR072003 | R1A | CY7C68053-56BAXI | 130 | 3.63 | 128 | 34 | 0 |
| BZ56IAAAGL | AIT-Indonesia | NR072003 | R2 | CY7C68053-56BAXI | 130 | 3.63 | 128 | 79 | 0 |
| BZ56AGAGL | G-ASE | MR074057 | R1 | CY7C68013A-56BAXC | 130 | 3.63 | 128 | 38 | 0 |
| BZ56AGAGL | G-ASE | MR074057 | R1A | CY7C68013A-56BAXC | 130 | 3.63 | 128 | 26 | 0 |
| BZ56FAALE | ASE-G | MR081037 | R1 | CY7C68053-56BAX | 130 | 3.63 | 128 | 40 | 0 |
| BZ56FAALE | G-ASE | MR081037 | R1A | CY7C68053-56BAX | 130 | 3.63 | 128 | 39 | 0 |
| Summary for Package Family : VFBGA (0.75-0.8, 0.3mm, Pb-Free) (14 records) | | | | | | | | | |
| Sum | | | | | | | | 737 | 0 |
| PBGA (with Heat Spreader) | | | | | | | | | |
| BG119ABALE | AT - Indonesia | 73702 | R1 | CY7C1012SV33 | 130 | 3.65 | 128 | 32 | 0 |
| BG119ABALE | AT - Indonesia | 73702 | R1 | CY7C1012SV33 | 130 | 3.65 | 128 | 47 | 0 |
| Summary for Package Family : PBGA (with Heat Spreader) (2 records) | | | | | | | | | |
| Sum | | | | | | | | 79 | 0 |
| PDIP | | | | | | | | | |
| P246DGAAGB | X-MMT | MR081066 | R1 | CY7C264-35PC | 130 | 5.5 | 128 | 80 | 0 |
| Summary for Package Family : PDIP (1 record) | | | | | | | | | |
| Sum | | | | | | | | 80 | 0 |
| PDIP (Pb-Free) | | | | | | | | | |
| PZ183AXGN | O-INDS | MR081042 | R1 | CS6632AF | 130 | 5.5 | 128 | 77 | 0 |
| PZ283EHAL | O-INDS | MR073018 | R1 | CY8C24423A-24PXI | 130 | 5.25 | 128 | 77 | 0 |
| Summary for Package Family : PDIP (Pb-Free) (4 records) | | | | | | | | | |
| Sum | | | | | | | | 154 | 0 |
| PLCC | | | | | | | | | |
| J32RBGAAGB | X-MMT | MR073044 | R1 | CY7B992-5JIT | 130 | 3.63 | 128 | 45 | 0 |
| J32RBGAAGB | X-ALPHATIK | MR073044 | R1A | CY7B992-5JIT | 130 | 3.63 | 128 | 35 | 0 |
| Summary for Package Family : PLCC (2 records) | | | | | | | | | |
| Sum | | | | | | | | 80 | 0 |
| PLCC (Pb-Free) | | | | | | | | | |
| JZ32RBGAN | M-PHIL | 71206 | R1A | CY7B991V-JZ | 130 | 3.6 | 128 | 40 | 0 |
| JZ32RBGAN | M-PHIL | 71206 | R1B | CY7B991V-JZ | 130 | 3.6 | 128 | 37 | 0 |
| JZ52SFGAN | M-PHILS | MR081035 | R1 | CY7C136-55JXC | 130 | 5.5 | 128 | 80 | 0 |



| | | | | | | | | | |
|------------|-------------------|----------|-----|----------------|-----|------|-----|----|---|
| J32RBGAAGB | MMT-X | MR081030 | R1 | CY7C4231V-15JC | 130 | 3.63 | 128 | 40 | 0 |
| J32RBGAAGB | X-MMT | MR081030 | R1A | CY7C4231V-15JC | 130 | 3.63 | 128 | 39 | 0 |
| J32RBGAAGB | X-MMT | MR082017 | R1 | CY7B9911V-5JCT | 130 | 3.6 | 128 | 40 | 0 |
| JZ32RBGAN | M- PHILIPPINES | MR081063 | R1 | CY7B991-5JXC | 130 | 3.63 | 128 | 40 | 0 |
| JZ32RBGAN | M-PHILS | MR081063 | R1A | CY7B991-5JXC | 130 | 3.63 | 128 | 40 | 0 |

Summary for Package Family : PLCC (Pb-Free) (5 records)

Sum **356** **0**

QFN (COL, 0.6mm, Saw Type, Pb-free)

| | | | | | | | | | |
|------------|------------|----------|-----|-------------------|-----|------|-----|----|---|
| LG16AAAAAL | M-PHILS | MR074031 | R1 | CY8C20234-12LKXIT | 130 | 5.25 | 128 | 39 | 0 |
| LG16AAAAAL | M-PHILS | MR074031 | R1 | CY8C20234-12LKXIT | 130 | 5.25 | 128 | 40 | 0 |
| LG16AAAAAL | M-PHILS | MR081027 | R1 | CY8C20234-12LKXI | 130 | 5.25 | 128 | 80 | 0 |
| LG16AAAAAL | M - Manila | 80502 | R1 | CY8C20234-12LKXIT | 130 | 5.25 | 128 | 40 | 0 |
| LG16AAAAAL | M-Manila | 80502 | R1 | CY8C20234-12LKXIT | 130 | 5.25 | 128 | 37 | 0 |
| LG16AAAAAL | M-Manila | 80502 | R1 | CY8C20234-12LKXIT | 130 | 5.25 | 128 | 40 | 0 |
| LG16AAAAAL | M-PHILS | MR081027 | R1A | CY8C20234-12LKXI | 130 | 5.25 | 128 | 40 | 0 |
| LG16AAAAAL | M-PHILS | MR081027 | R1B | CY8C20234-12LKXI | 130 | 5.25 | 128 | 40 | 0 |
| LG16AAAAAL | M-PHILS | MR082028 | R1 | CY8C20234-12LKXI | 130 | 5.25 | 128 | 40 | 0 |
| LG16AAAAAL | M-PHILS | MR082028 | R1A | CY8C20234-12LKXI | 130 | 5.25 | 128 | 39 | 0 |

Summary for Package Family : QFN (Saw Type, 0.6mm, COL, Pb-free) (3 records)

Sum **435** **0**

QFN (0.6mm, Punch Type, Pb-Free)

| | | | | | | | | | |
|------------|---------|----------|-----|------------------|-----|------|-----|----|---|
| LK32AABAGL | L-KOREA | MR073006 | R1 | CY8C20434-12LFXI | 130 | 5.25 | 128 | 73 | 0 |
| LK32AABAGL | L-SEOUL | MR074006 | R1 | CY8C20434-12LKXI | 130 | 5.25 | 128 | 40 | 0 |
| LK32AABAGL | L-KOREA | MR074006 | R1A | CY8C20434-12LKXI | 130 | 5.25 | 128 | 40 | 0 |
| LK32AABAGL | L-KOREA | MR074043 | R1 | CY8C20434-12LKXI | 130 | 5.25 | 128 | 40 | 0 |
| LK32AABAGL | L-KOREA | MR074043 | R1A | CY8C20434-12LKXI | 130 | 5.25 | 128 | 34 | 0 |
| LK32AABAGL | L-KOREA | MR081039 | R1 | CY8C20434-12LKXI | 130 | 5.25 | 128 | 39 | 0 |
| LK32AABAGL | L-KOREA | MR081039 | R1A | CY8C20434-12LKXI | 130 | 5.25 | 128 | 40 | 0 |
| LK32AABAGL | L-KOREA | NR072004 | R1 | CY8C20434-12LKXI | 130 | 5.25 | 128 | 40 | 0 |
| LK32AABAGL | L-KOREA | NR072004 | R1 | CY8C20434-12LKXI | 130 | 5.25 | 168 | 40 | 0 |
| LK32AABAGL | L-KOREA | NR072004 | R3 | CP6683AM | 130 | 5.25 | 128 | 39 | 0 |
| LK32IGAGL | RA-CML | MR072041 | R1 | CS6655AAT | 130 | 5.25 | 128 | 77 | 0 |
| LK32IGAGL | RA-CML | MR073063 | R1A | CP6693AAT | 130 | 5.25 | 128 | 27 | 0 |
| LK32IGAGL | RA-CML | MR074024 | R1 | CP6745AMT | 130 | 5.25 | 128 | 49 | 0 |
| LK32IGAGL | CML-RA | MR074024 | R1A | CP6745AMT | 130 | 5.25 | 128 | 29 | 0 |
| LK32AABAGL | L-KOREA | MR082022 | R1 | CY8C20434-12LKXI | 130 | 5.25 | 128 | 40 | 0 |
| LK32AABAGL | AMKOR-L | MR082022 | R1A | CY8C20434-12LKXI | 130 | 5.25 | 128 | 40 | 0 |

Summary for Package Family : QFN (0.6mm, Punch Type, Pb-Free) (15 records)

Sum **687** **0**

QFN (Punch Type, Pb-Free)

| | | | | | | | | | |
|------------|-----------|----------|-----|------------------|-----|------|-----|----|---|
| LY32AAAGR | L - Korea | 80907 | R3 | CY8C21434-24LFXI | 130 | 5.25 | 128 | 40 | 0 |
| LY32AAAGR | L - Korea | 80907 | R3 | CY8C21434-24LFXI | 130 | 5.25 | 128 | 40 | 0 |
| LY32AAAGR | L-KOREA | MR081013 | R1 | CY8C21434-24LFXI | 130 | 5.25 | 128 | 40 | 0 |
| LY32AAAGR | L-KOREA | MR081013 | R1A | CY8C21434-24LFXI | 130 | 5.25 | 128 | 40 | 0 |
| LY32AGAGL | L-KOREA | MR072001 | R1 | CG6672AMT | 130 | 5.25 | 128 | 72 | 0 |
| LY32AGAGL | L-KOREA | NR072004 | R1 | CP6631AM | 130 | 5.25 | 128 | 80 | 0 |
| LY56AGAGL | L-KOREA | 70901 | R2A | CY7C65630-56LFXC | 130 | 3.63 | 96 | 75 | 0 |
| LY56AGAGL | L-KOREA | MR071035 | R1 | CY7C65630-56LFXC | 130 | 3.63 | 128 | 31 | 0 |
| LY56AGAGL | L-KOREA | MR071035 | R1A | CY7C65630-56LFXC | 130 | 3.63 | 128 | 44 | 0 |
| LY56AGAGL | L-KOREA | MR073056 | R1 | CY7C65630-56LFCT | 130 | 3.63 | 128 | 57 | 0 |
| LY56AGAGL | L-KOREA | MR081028 | R1A | CY7C65630-56LFXC | 130 | 3.63 | 128 | 34 | 0 |
| LY56DGAGL | L-KOREA | MR074021 | R1 | CY7C64215-56LFXC | 130 | 5.25 | 128 | 80 | 0 |
| LY68AGAGL | L-KOREA | NR064004 | R3 | 8C24994AT-LLYI | 130 | 5.25 | 128 | 35 | 0 |
| LY68AGABGL | L-KOREA | NR064004 | R2A | CY8C24994-24LFXI | 130 | 5.25 | 128 | 37 | 0 |
| LY72AGAGL | L-KOREA | MR072006 | R1 | CY28447LFXC | 130 | 3.8 | 128 | 48 | 0 |
| LY72AGAGL | L-KOREA | MR072006 | R1A | CY28447LFXC | 130 | 3.8 | 128 | 32 | 0 |
| LY32BGAGL | RA-CML | 82902 | R1 | CY8C21434-24LTXI | 130 | 5.25 | 128 | 79 | 0 |
| LY56AGAGL | L-KOREA | MR082031 | R1 | CY7C65630-56LFXC | 130 | 3.63 | 128 | 68 | 0 |

Summary for Package Family : QFN (Punch Type, Pb-Free) (19 records)

Sum **932** **0**

QFN (0.6mm, Saw Type, Pb-Free)

| | | | | | | | | | |
|-----------|---------------|----------|-----|-------------------|-----|------|-----|----|---|
| LQ24ABAAL | AT-IND | MR074008 | R1 | CP6705ATT | 130 | 5.25 | 128 | 42 | 0 |
| LQ24ABAAL | AT-INDONESIA | MR074008 | R1A | CP6705ATT | 130 | 5.25 | 128 | 36 | 0 |
| LQ24ABAAL | AIT-INDS | MR081014 | R1 | CY8C20334-12LQXI | 130 | 5.25 | 128 | 40 | 0 |
| LQ24ABAAL | AT-IND | MR081014 | R1A | CY8C20334-12LQXI | 130 | 5.25 | 128 | 38 | 0 |
| LQ24ABAAL | AT-INDONESIA | NR073002 | R1 | CP6705ATT | 130 | 5.25 | 128 | 39 | 0 |
| LQ24ABAAL | AT-INDONESIA | NR073002 | R1 | CP6705ATT | 130 | 5.25 | 128 | 39 | 0 |
| LQ24ABAAL | AT-INDONESIA | NR073002 | R2 | CP6705AT | 130 | 5.25 | 128 | 40 | 0 |
| LQ24ABAAL | AT-INDONESIA | NR073002 | R2 | CP6705AT | 130 | 5.25 | 128 | 40 | 0 |
| LQ24ABAAL | AIT-INDONESIA | NR074003 | R1 | CY8C20334-12LQXI | 130 | 5.25 | 128 | 40 | 0 |
| LQ24ABAAL | AIT-INDONESIA | NR074003 | R1 | CY8C20334-12LQXI | 130 | 5.25 | 128 | 40 | 0 |
| LQ24ABAAL | AT-INDNS | MR082030 | R1 | CY8C20334-12LQXI | 130 | 5.25 | 128 | 40 | 0 |
| LQ24ABAAL | AIT-INDONESIA | MR082030 | R1A | CY8C20334-12LQXI | 130 | 5.25 | 128 | 40 | 0 |
| LQ24ABAAL | AIT-INDONESIA | NR074003 | R2 | CY8C20334-12LQXI | 130 | 5.25 | 128 | 39 | 0 |
| LQ24ABAAL | AIT-INDONESIA | NR074003 | R2 | CY8C20334-12LQXI | 130 | 5.25 | 128 | 39 | 0 |
| LQ24ABAAL | AIT-INDONESIA | NR074003 | R3 | CP6785AM | 130 | 5.25 | 128 | 40 | 0 |
| LQ32CAAAL | CA-MALAYSIA | 82008 | R4 | CY8C21434A-24LQXI | 130 | 5.25 | 128 | 77 | 0 |

Summary for Package Family : QFN (0.6mm, Saw Type, Pb-Free) (13 records)

Sum **669** **0**

QFN (Saw Type, Pb-free)

| | | | | | | | | | |
|------------|-------------|----------|----|------------------|-----|------|-----|----|---|
| LT32BAAAGL | CA-MALAYSIA | 74701 | R1 | CY8C21434-24LTXI | 130 | 5.25 | 128 | 80 | 0 |
| LT32BAAAGL | CA-MALAYSIA | NR082002 | R1 | CY8C21434-24LTXI | 130 | 5.25 | 128 | 77 | 0 |

Summary for Package Family : QFN (Saw Type, Pb-free) (3 records)

Sum **157** **0**

QSOP (Pb-Free)

Summary for Package Family : QFN (Pb-Free) (1 record)

Sum **0** **0**

SNC (Pb-Free)

| | | | | | | | | | |
|------------|-------|----------|-----|-----------------------|-----|-----|-----|----|---|
| SY2831BBLN | R-CML | MR081048 | R1 | CY62256NLL-55SNXI | 130 | 5.5 | 128 | 40 | 0 |
| SY2831BBLN | R-CML | MR081048 | R1A | CY62256NLL-55SNXI | 130 | 5.5 | 128 | 40 | 0 |
| SY2831BBLN | R-CML | MR081059 | R1 | CY62256NLL-55SNXI | 130 | 5.5 | 128 | 40 | 0 |
| SY2831BBLN | R-CML | MR081059 | R1A | CY62256NLL-55SNXI | 130 | 5.5 | 128 | 40 | 0 |
| SY2831BLN | R-CML | MR073014 | R1 | 70SNXC CY62253NLL- | 130 | 5.5 | 128 | 42 | 0 |
| SY2831BLN | R-CML | MR073014 | R1A | 70SNXC CY62256NLL- | 130 | 5.5 | 128 | 38 | 0 |
| SY2831BBLN | R-CML | MR082037 | R1 | 70SNXC CY62256NLL- | 130 | 5.5 | 128 | 40 | 0 |
| SY2831BBLN | CML-R | MR082037 | R1A | 70SNXC | 130 | 5.5 | 128 | 40 | 0 |

Summary for Package Family : SNC (Pb-Free) (6 records)

Sum **320** **0**

SOIC

| | | | | | | | | | |
|------------|---------|----------|-----|---------------|-----|------|-----|----|---|
| S0815BAAGB | O-INDS | MR073020 | R1 | CY2304SC-2T | 130 | 3.63 | 128 | 77 | 0 |
| S0815BAAGB | O-INDS | MR081041 | R1 | CY23055C | 130 | 3.63 | 128 | 77 | 0 |
| S0815PAGN | CML-RA | MR081010 | R1 | CY2305SC-1H | 130 | 3.63 | 128 | 80 | 0 |
| S1615KAGN | R-CML | MR073015 | R1 | CY2309NZSC-1H | 130 | 3.8 | 128 | 56 | 0 |
| S1615KAGN | RA-CML | MR073015 | R1A | CY2309NZSC-1H | 130 | 3.8 | 128 | 23 | 0 |
| S1615EAGB | M-PHILS | MR082014 | R1 | CY2309SC-1H | 130 | 3.8 | 128 | 80 | 0 |

Summary for Package Family : SOIC (6 records)

Sum **393** **0**

SOIC (Pb-Free)

| | | | | | | | | | |
|------------|-------------|----------|-----|-------------------|-----|------|-----|----|---|
| S0815BAAGB | O-TAIWAN | MR074054 | R1 | CY2304SI-1T | 130 | 3.63 | 128 | 77 | 0 |
| SZ15PAGN | RA-CML | NR081002 | R3 | CY25560SXC | 130 | 3.63 | 128 | 80 | 0 |
| SZ1615DGN | M-Phils | MR074022 | R1 | CY8C21234-24SXI | 130 | 5.25 | 128 | 80 | 0 |
| SZ1615EGN | M-PHIL | MR081005 | R1 | CY2309SXC-1HT | 130 | 3.8 | 128 | 80 | 0 |
| SZ1615KAGN | RA-CML | MR074039 | R1 | CY2309SC-1 | 130 | 3.8 | 128 | 78 | 0 |
| SZ1615KGN | RA-CML | MR074044 | R1 | CY2309NZSXC-1H | 130 | 3.8 | 128 | 80 | 0 |
| SZ1615KGN | RA-CML | NR072009 | R1 | CY2292SXI-1T1 | 130 | 3.8 | 128 | 80 | 0 |
| SZ1615KGN | RA-CML | NR072009 | R2 | CY2292SXL-1X5T | 130 | 3.8 | 128 | 80 | 0 |
| SZ183CGAN | RA-CML | MR072026 | R1A | CY7C63723-SXC | 130 | 5.5 | 128 | 40 | 0 |
| SZ2032GAN | R-CML | MR081012 | R1 | CY2291FX | 130 | 5.5 | 128 | 77 | 0 |
| SZ2035GAL | R-CML | MR072009 | R1A | CY8C24223A-24SXI | 130 | 5.25 | 128 | 30 | 0 |
| SZ24312GN | R-CML | MR074040 | R1 | CS6575AA | 130 | 5.5 | 128 | 80 | 0 |
| SZ32157BLN | R-CML | MR081006 | R1 | CG6707AM | 130 | 3.6 | 128 | 79 | 0 |
| SZ32457LN | R-CML | MR072007 | R1 | CY62128ELL-45SXI | 130 | 3.6 | 128 | 80 | 0 |
| SZ32457LN | R-CML | MR074005 | R1 | CG6707AM | 130 | 3.6 | 128 | 77 | 0 |
| SZ815CGAN | M-PHILS | MR074023 | R1 | CY8C24123A-24SXIT | 130 | 5.25 | 128 | 76 | 0 |
| SZ815PAGN | RA-CML | MR081034 | R1 | CY2305SXC-1H | 130 | 3.63 | 128 | 80 | 0 |
| SZ815PAGN | RA-CML | NR081002 | R2 | CY25560SXC | 130 | 3.63 | 128 | 80 | 0 |
| SZ1615EGN | M-PHILS | MR082025 | R1 | CY2309NZSXC-1H | 130 | 3.8 | 128 | 80 | 0 |
| SZ1615KGN | RA-CML | MR082015 | R1 | CY2309SXC-1HT | 130 | 3.8 | 128 | 80 | 0 |
| SZ1615NAGN | CA-MALAYSIA | 82203 | R1 | CY8C20180-SX2I | 130 | 5.25 | 128 | 80 | 0 |
| SZ1815CGAN | M-PHILS | MR082023 | R1 | CY8C24123A-24SXI | 130 | 5.25 | 128 | 80 | 0 |
| SZ324516LL | R-CML | MR082005 | R1 | CY62148ELL-55SXI | 130 | 3.63 | 128 | 78 | 0 |
| SZ815CGAN | M - Manila | 80803 | R1 | CY2305CSXI-1H | 130 | 3.3 | 96 | 80 | 0 |
| SZ815CGAN | M - Manila | 80803 | R1 | CY2305CSXI-1H | 130 | 3.3 | 128 | 80 | 0 |
| SZ815CGAN | M - Manila | 80803 | R2 | CY2305CSXI-1H | 130 | 3.3 | 96 | 80 | 0 |
| SZ815CGAN | M - Manila | 80803 | R2 | CY2305CSXI-1H | 130 | 3.3 | 128 | 80 | 0 |
| SZ815CGAN | M - Manila | 80803 | R3 | CY2305CSXI-1H | 130 | 3.3 | 96 | 80 | 0 |
| SZ815CGAN | M - Manila | 80803 | R3 | CY2305CSXI-1H | 130 | 3.3 | 128 | 80 | 0 |

Summary for Package Family : SOIC (Pb-Free) (22 records)

Sum 2,212 0

SSOP

Summary for Package Family : SSOP (2 records)

Sum 0 0

SSOP (Pb-Free)

| | | | | | | | | | |
|------------|----------|----------|-----|---------------------------------|-----|------|-----|----|---|
| SP2029AAGL | RA-CML | MR081064 | R1 | CY8C21334-24PVXI | 130 | 5.25 | 128 | 40 | 0 |
| SP2029AAGL | RA-CML | MR081064 | R1A | CY8C21334-24PVXI | 130 | 5.25 | 128 | 32 | 0 |
| SP28214GL | T-TAIWAN | MR074051 | R1 | CY8C24423A-24PVXI | 130 | 5.25 | 128 | 80 | 0 |
| SP28215GGL | RA-CML | MR072021 | R1 | CY8C1534-24PVXIT CY8C21534- | 130 | 5.25 | 128 | 80 | 0 |
| SP2822BGL | M-PHILS | MR081043 | R1 | 24PVXAT | 130 | 5.25 | 128 | 80 | 0 |
| SP483AGAN | R-CML | MR072017 | R1 | CY7C63413C-PVXC | 130 | 5.5 | 128 | 47 | 0 |
| SP483AGAN | R-CML | MR072017 | R1A | CY7C63413C-PVXC | 130 | 5.5 | 128 | 33 | 0 |
| SP563BAGL | R-CML | MR073055 | R1 | CP6603AMT CY7C68013A- | 130 | 5.5 | 128 | 77 | 0 |
| SP563BBGL | T-TAIWAN | MR072029 | R1 | 56PVXC CY7C68013A- | 130 | 3.63 | 128 | 44 | 0 |
| SP563BBGL | T-TAIWAN | MR072029 | R1 | 56PVXC CY7C68300C- | 130 | 3.63 | 128 | 35 | 0 |
| SP563BGAL | R-CML | MR081007 | R1 | 56PVXC | 130 | 3.3 | 128 | 78 | 0 |
| SP56BAGL | CML-R | 65201 | R2A | CY7C68053-PVXI | 130 | 3.63 | 128 | 45 | 0 |
| SP202AAAGN | RA-CML | MR082007 | R1 | CP6650AMT | 130 | 5.25 | 128 | 39 | 0 |
| SP202AAAGN | CML-RA | MR082007 | R1A | CP6650AMT | 130 | 5.25 | 128 | 38 | 0 |
| SP28215GGL | RA-CML | MR081016 | R1A | CY8C21534-24PVXI CY8C24423A- | 130 | 5.25 | 128 | 80 | 0 |
| SP2822BGL | M-PHILS | MR082038 | R1 | 12PVXE CY8C24423A- | 130 | 5.25 | 128 | 39 | 0 |
| SP2822BGL | M-PHILS | MR082038 | R1A | 12PVXE CY7C68300C- | 130 | 5.25 | 128 | 40 | 0 |
| SP563BBBGL | R-CML | MR082008 | R1 | 56PVXC | 130 | 3.63 | 128 | 78 | 0 |

Summary for Package Family : SSOP (Pb-Free) (17 records)

| | | | | | | | | | |
|--|---------|----------|-----|-----------------------------------|-----|------|-----|------------|----------|
| Sum | | | | | | | | 985 | 0 |
| SOIC (J-Lead) | | | | | | | | | |
| V28311ALL | R-CML | MR074048 | R1 | CY7C199CN-15VCT | 130 | 5.5 | 128 | 79 | 0 |
| V2835GALN | R-CML | MR073047 | R1 | CY7C185-15VI | 130 | 5.5 | 128 | 79 | 0 |
| V284CGAGGB | O-Ind | MR073017 | R1A | CY7C107BN-15VC | 130 | 5.55 | 128 | 26 | 0 |
| V3646GALL | R-CML | MR073033 | R1 | CY7C1049CV33- | 130 | 3.63 | 128 | 68 | 0 |
| V3646GALL | R-CML | MR073033 | R1A | CY7C1049CV33-12VI | 130 | 3.8 | 128 | 12 | 0 |
| Summary for Package Family : SOIC (J-Lead) (7 records) | | | | | | | | | |
| Sum | | | | | | | | 264 | 0 |
| SOIC (J-Lead, Pb-Free) | | | | | | | | | |
| VZ2439AGS | O-INDS | MR073016 | R1 | CY7C187-25VXC | 130 | 5.5 | 128 | 77 | 0 |
| VZ28311BLL | CML-R | MR081033 | R1 | CY7C1399BN-12VXI CY7C1399BNL- | 130 | 3.63 | 128 | 80 | 0 |
| VZ28311KLL | R-CML | MR073008 | R1 | 15VXCT CY7C1049CV33- | 130 | 3.65 | 128 | 79 | 0 |
| VZ3646GLL | R-CML | MR074001 | R1 | 10VXCT CY7C1049CV33- | 130 | 3.65 | 128 | 60 | 0 |
| VZ3646GLL | R-CML | MR074001 | R1A | 10VXCT | 130 | 3.65 | 128 | 20 | 0 |
| VZ32420GLL | R-CML | MR081008 | R1 | CY7C109D-10VXI | 130 | 5.5 | 128 | 40 | 0 |
| VZ444WAGL | R-CML | MR081050 | R1 | CY7C1021B-12VXC | 130 | 5.5 | 128 | 38 | 0 |
| Summary for Package Family : SOIC (J-Lead, Pb-Free) (5 records) | | | | | | | | | |
| Sum | | | | | | | | 394 | 0 |
| TQFP (10mm X 10mm) | | | | | | | | | |
| AS64CGAGB | Q-KOREA | MR073048 | R1A | CY7C4235V-15ASC | 130 | 5.5 | 128 | 20 | 0 |
| AS64CGAGB | Q-KOREA | MR073048 | R1B | CY7C4275-15ASC | 130 | 5.5 | 128 | 57 | 0 |
| AS64CGAGB | Q-KOREA | MR081026 | R1 | CY7C4285-15ASI | 130 | 5.5 | 128 | 56 | 0 |
| AS64CGAGB | Q-KOREA | MR081026 | R1 | CY7C4285-15ASI | 130 | 5.5 | 128 | 23 | 0 |
| Summary for Package Family : TQFP (10mm x 10mm) (4 records) | | | | | | | | | |
| Sum | | | | | | | | 156 | 0 |
| TQFP | | | | | | | | | |
| A100SEGAGL | R-CML | MR073004 | R1 | CY7B994V-2AC | 130 | 3.63 | 128 | 43 | 0 |
| A32BVGBGB | Q-KOREA | MR074019 | R1 | CY7C4221V-15AC | 130 | 5.5 | 128 | 40 | 0 |
| A32BVGBGB | Q-KOREA | MR074019 | R1A | CY7C4221V-15AC | 130 | 5.5 | 128 | 39 | 0 |
| A32BXGBGB | Q-KOREA | MR081038 | R1 | CY7C4221V-15AC | 130 | 3.63 | 128 | 40 | 0 |
| A32BXGBGB | Q-KOREA | MR081038 | R1 | CY7C4221V-15AC | 130 | 3.63 | 128 | 40 | 0 |
| A52ASGAGE | Q-KOREA | MR071062 | R1 | CY7B9973V-AC | 130 | 3.63 | 128 | 59 | 0 |
| A52ASGAGE | Q-KOREA | MR071062 | R1 | CY7B9973V-AC | 130 | 3.63 | 128 | 21 | 0 |
| Summary for Package Family : TQFP (7 records) | | | | | | | | | |
| Sum | | | | | | | | 282 | 0 |
| TQFP (Pb-Free) | | | | | | | | | |
| AZ100RXBLL | R-CML | MR081045 | R1 | CY7C1360C-166AXC | 130 | 3.6 | 128 | 79 | 0 |
| AZ100RXLL | R-CML | MR072033 | R1 | CY7C1360C-166AXI CY7C1049DV33- | 130 | 3.6 | 128 | 79 | 0 |
| AZ100SFAL | R-CML | MR073022 | R1 | 10VXIT | 130 | 5.5 | 128 | 42 | 0 |
| AZ100SFAL | R-CML | MR073022 | R1A | CY7C024-25AXC | 130 | 5.55 | 128 | 37 | 0 |
| AZ100SFAL | R-CML | MR074036 | R1 | CY7C025-25AXC | 130 | 5.5 | 128 | 43 | 0 |
| AZ120DAGAR | L-Korea | 80610 | R1 | CY7C0831AV-133AXI | 130 | 3.63 | 128 | 38 | 0 |
| AZ32BXGAN | Q-KOREA | MR073057 | R1 | CY7C4251-15AXC | 130 | 5.5 | 128 | 10 | 0 |
| AZ32BXGAN | Q-KOREA | MR073057 | R1 | CY7C4251-15AXC | 130 | 5.5 | 128 | 70 | 0 |
| AZ52ASGAL | Q-KOREA | MR064075 | R1 | CY7B9945V-2AXI | 130 | 3.63 | 256 | 50 | 0 |
| AZ100SFA | R-CML | MR082049 | R1 | CY7C024-25AXC | 130 | 5.5 | 128 | 40 | 0 |
| AZ100SFA | CML-R | MR082049 | R1A | CY7C024-25AXC | 130 | 5.5 | 128 | 40 | 0 |
| AZ100SFAL | R-CML | MR081017 | R1 | CY7C024-25AXC | 130 | 5.5 | 128 | 40 | 0 |
| AZ100SFAL | R-CML | MR081017 | R1A | CY7C024-25AXC | 130 | 5.5 | 128 | 40 | 0 |
| AZ120DAGAR | L-Korea | 80610 | R1 | CY7C0831AV-133AXI | 130 | 3.63 | 128 | 38 | 0 |
| AZ32BXGAN | Q-KOREA | MR081015 | R1 | CY7C4201V-15AXC | 130 | 3.63 | 128 | 39 | 0 |
| AZ32BXGAN | Q-KOREA | MR081015 | R1A | CY7C4201V-15AXC | 130 | 3.63 | 128 | 39 | 0 |
| AZ44SGGAN | R-CML | MR082060 | R1 | CS6567AM | 130 | 5.25 | 128 | 40 | 0 |
| AZ44SGGAN | R-CML | MR082060 | R1A | CS6567AM | 130 | 5.25 | 128 | 40 | 0 |
| Summary for Package Family : TQFP (Pb-Free) (12 records) | | | | | | | | | |
| Sum | | | | | | | | 804 | 0 |
| TQFP (Thermal) | | | | | | | | | |

| | | | | | | | | | |
|---|----------|----------|-----|----------------------|-----|------|-----|------------|----------|
| AT120ABAGE | Q-KOREA | NR072029 | R1 | CYS25G0101DX-ATXC | 130 | 3.63 | 128 | 40 | 0 |
| AT120ABAGE | Q-KOREA | NR072029 | R1 | CYS25G0101DX-ATXC | 130 | 3.63 | 128 | 39 | 0 |
| AT120ABAGE | Q-KOREA | NR072029 | R2 | CYS25G0101DX-ATXC | 130 | 3.63 | 128 | 40 | 0 |
| Summary for Package Family : TQFP (Thermal) (3 records) | | | | | | | | | |
| Sum | | | | | | | | 119 | 0 |
| TQFP (Thermal, Pb-free) | | | | | | | | | |
| AG120ABAGR | Q-KOREA | NR072017 | R1 | CYS25G0101DX-ATXC | 130 | 3.63 | 128 | 46 | 0 |
| AG120ABAGR | Q-KOREA | NR072017 | R2 | CYS25G0101DX-ATXC | 130 | 6.63 | 128 | 46 | 0 |
| Summary for Package Family : TQFP (Thermal, Pb-Free) (2 records) | | | | | | | | | |
| Sum | | | | | | | | 92 | 0 |
| TSOP (Pb-free) | | | | | | | | | |
| ZT28R4AGL | R-CML | MR081058 | R1 | CY7C1399BNL-12ZXC | 130 | 3.63 | 128 | 77 | 0 |
| ZT28R6GLL | R-CML | MR073052 | R1 | CY7C199D-10ZXI | 130 | 5.5 | 128 | 79 | 0 |
| ZT28RAGL | R-CML | MR074045 | R1 | CY7C1399BNL-12ZXC | 130 | 3.63 | 128 | 77 | 0 |
| ZT32RABALL | T-TAIWAN | MR073034 | R1 | CY62128EV30LL-45ZXI | 130 | 3.6 | 128 | 80 | 0 |
| ZT32RABALL | T-TAIWAN | MR081060 | R1 | CY62128EV30LL-45ZXI | 130 | 3.6 | 128 | 80 | 0 |
| ZT32RADALL | RA-CML | MR074028 | R1 | CY62128ELL-45ZXI | 130 | 3.6 | 128 | 77 | 0 |
| ZT32RADALL | RA-CML | NR073006 | R1 | CY62128ELL-45ZXIT | 130 | 3.6 | 128 | 42 | 0 |
| ZT32RADALL | RA-CML | NR073006 | R2 | CY62128ELL-45ZXIT | 130 | 3.6 | 128 | 45 | 0 |
| ZT32RADALL | RA-CML | NR073006 | R3 | CY62128ELL-45ZXIT | 130 | 3.6 | 128 | 41 | 0 |
| ZT28R4AGL | R-CML | 80302 | R3 | CY7C1399BNL-12ZXC | 130 | 3.63 | 128 | 40 | 0 |
| ZT28R4AGL | R-CML | 80302 | R3 | CY7C1399BNL-12ZXC | 130 | 3.63 | 128 | 40 | 0 |
| ZT32RABALL | T-OSE | MR082019 | R1 | CY62128EV30LL-45ZXI | 130 | 3.6 | 128 | 37 | 0 |
| ZT32RABALL | T-TAIWAN | MR082019 | R1A | CY62128EV30LL-45ZXI | 130 | 3.6 | 128 | 40 | 0 |
| Summary for Package Family : TSOP (Pb-free) (9 records) | | | | | | | | | |
| Sum | | | | | | | | 755 | 0 |
| TSOP I (Pb-Free) | | | | | | | | | |
| ZB32RHALL | R-CML | NR072020 | R1 | CY62128BLL-70ZAXI | 130 | 5.5 | 128 | 77 | 0 |
| ZB32RHALN | R-CML | MR074026 | R1 | CY62126EV30LL-45ZAXI | 130 | 5.5 | 128 | 76 | 0 |
| ZB32RHALN | R-CML | MR081029 | R1 | CY62128EV30LL-45AZXI | 130 | 5.5 | 128 | 78 | 0 |
| ZB32RHALL | R-CML | MR082053 | R1 | CY62128DV30LL-55ZAXI | 130 | 5.5 | 128 | 40 | 0 |
| ZB32RHALN | R-CML | MR082003 | R1 | CY62128EV30LL-45ZAXI | 130 | 3.6 | 128 | 80 | 0 |
| Summary for Package Family : TSOP I (Pb-Free) (3 records) | | | | | | | | | |
| Sum | | | | | | | | 351 | 0 |
| TSOP II | | | | | | | | | |
| ZS444ABALL | R-CML | MR074069 | R1 | CY7C1020CV33-12ZC | 130 | 3.65 | 128 | 80 | 0 |
| ZS444RAGB | R-CML | MR073027 | R1 | CG6079AA | 130 | 5.5 | 128 | 78 | 0 |
| Summary for Package Family : TSOP II (2 records) | | | | | | | | | |
| Sum | | | | | | | | 158 | 0 |
| TSOP II (Pb-Free) | | | | | | | | | |
| ZW324CBL | OSE-T | MR081025 | R1 | CY62148ELL-45ZSXI | 130 | 3.6 | 128 | 72 | 0 |
| ZW444AJGN | R-CML | MR073012 | R1 | CY7C1021CV33-12ZXC | 130 | 3.65 | 128 | 80 | 0 |
| ZW444AKALN | R-CML | MR074034 | R1 | CY7C1041CV33-10ZXC | 130 | 3.65 | 128 | 79 | 0 |
| ZW444AMBLN | R-CML | MR081003 | R1 | CY62157EV30LL-45ZSXI | 130 | 5.5 | 128 | 79 | 0 |
| ZW544AALL | G-TAIWAN | MR073058 | R1 | CY7C1069AV33-12ZXC | 130 | 3.65 | 128 | 45 | 0 |
| ZW544AALL | G-TAIWAN | MR073058 | R1A | CY7C1069AV33- | 130 | 3.65 | 128 | 35 | 0 |

| | | | | | | | | | | |
|--|------------|----------|-----|----------------------|-----|------|-----|----|--------------|----------|
| | | | | 12ZXC | | | | | | |
| ZW324CBLL | T-OSE | MR082026 | R1 | CY62148ELL-45ZSXI | 130 | 3.6 | 128 | 80 | 0 | |
| ZW444AMBLN | R-CML | MR082002 | R1 | CY62146EV30LL-45SZSX | 130 | 3.6 | 128 | 79 | 0 | |
| ZW544AALL | G-ASEK | MR081002 | R1 | CY7C1061AV33-12ZXC | 130 | 3.65 | 128 | 42 | 0 | |
| ZW544AALL | G-TAIWAN | MR082034 | R1 | CY7C1069AV33-10ZXC | 130 | 3.65 | 128 | 40 | 0 | |
| ZW544AALL | G-ASEK | MR082034 | R1A | CY7C1069AV33-10ZXC | 130 | 3.65 | 128 | 40 | 0 | |
| Summary for Package Family : TSOP II (Pb-free) (13 records) | | | | | | | | | | |
| Sum | | | | | | | | | 671 | 0 |
| ZY28R2AGN | R-CML | MR073036 | R1 | CY7C4241-15JXC | 130 | 5.5 | 128 | 77 | 0 | |
| RTSOP (Pb-free) | | | | | | | | | | |
| Summary for Package Family : RTSOP (Pb-free) (1 record) | | | | | | | | | | |
| Sum | | | | | | | | | 77 | 0 |
| TSSOP | | | | | | | | | | |
| Z0812TAGE | T-TAIWAN | MR074049 | R1 | CY2077ZC-111T | 130 | 5.5 | 128 | 80 | 0 | |
| Z1613GAGB | T-TAIWAN | MR074029 | R1 | CY2308ZC-1H | 130 | 3.8 | 128 | 80 | 0 | |
| Z1619GAGN | RA-CML | MR073011 | R1 | CY22050FI | 130 | 3.63 | 128 | 80 | 0 | |
| Z1620GAGN | RA-CML | MR074010 | R1 | CY22393FC | 130 | 3.63 | 128 | 80 | 0 | |
| Z1620GAGN | RA-CML | MR081036 | R1 | CY2309ZC-1H | 130 | 3.8 | 128 | 80 | 0 | |
| Z1611XAGB | M-PHILS | MR082033 | R1 | CY2308ZC-1H | 130 | 3.8 | 128 | 77 | 0 | |
| Z1620GAGN | RA-CML | MR082029 | R1 | CY2309ZC-1H | 130 | 3.8 | 128 | 78 | 0 | |
| Z32RNGAGB | G-TAIWAN | MR94169 | 1 | 7C62128GC-GQZCB | 130 | 5.5 | 128 | 45 | 0 | |
| Summary for Package Family : TSSOP (7 records) | | | | | | | | | | |
| Sum | | | | | | | | | 600 | 0 |
| TSSOP (Pb-Free) | | | | | | | | | | |
| 8L TSSOP | VIGILANT | 72303 | R1 | CY24904ZXC | 130 | 3.15 | 128 | 71 | 0 | |
| 8L TSSOP | VIGILANT | 72303 | R2 | CY24904ZXC | 130 | 3.15 | 128 | 71 | 0 | |
| ZZ0813AAAL | OSE-Taiwan | 64606 | R1 | CY2XP31ZXC | 130 | 2.75 | 128 | 50 | 0 | |
| ZZ0813AAAL | OSE-Taiwan | 64606 | R1 | CY2XP31ZXC | 130 | 2.75 | 256 | 50 | 0 | |
| ZZ0813AAAL | OSE-Taiwan | 64606 | R1 | CY2XP31ZXC | 130 | 2.75 | 512 | 50 | 0 | |
| ZZ0813AAAL | OSE-Taiwan | 64606 | R2 | CY2XP31ZXC | 130 | 2.75 | 128 | 50 | 0 | |
| ZZ0813AAAL | OSE-Taiwan | 64606 | R2 | CY2XP31ZXC | 130 | 2.75 | 256 | 50 | 0 | |
| ZZ0813AAAL | OSE-Taiwan | 64606 | R2 | CY2XP31ZXC | 130 | 2.75 | 512 | 50 | 0 | |
| ZZ0813AAAL | OSE-Taiwan | 64606 | R3 | CY2XP31ZXC | 130 | 2.75 | 128 | 50 | 0 | |
| ZZ0813AAAL | OSE-Taiwan | 64606 | R3 | CY2XP31ZXC | 130 | 2.75 | 256 | 50 | 0 | |
| ZZ0813AAAL | OSE-Taiwan | 64606 | R3 | CY2XP31ZXC | 130 | 2.75 | 512 | 50 | 0 | |
| ZZ1619GAN | RA-CML | MR073023 | R1 | CY22392ZXC-386 | 130 | 3.63 | 128 | 80 | 0 | |
| ZZ1619GAN | RA-CML | MR074013 | R1 | CY22393FXC | 130 | 3.63 | 128 | 79 | 0 | |
| ZZ2817AGL | RA-CML | NR072006 | R3 | CY24270ZXC | 130 | 3.63 | 128 | 80 | 0 | |
| ZZ1613HAN | T-OSE | MR082011 | R1 | CY2308ZXI-1HT | 130 | 3.63 | 128 | 78 | 0 | |
| ZZ1620GAN | RA-CML | MR081046 | R1 | CY22392ZXI-384 | 130 | 3.63 | 128 | 77 | 0 | |
| ZZ1620GAN | RA-CML | MR082032 | R1 | CY2308ZXI-1H | 130 | 3.8 | 128 | 78 | 0 | |
| Summary for Package Family : TSSOP (17 records) | | | | | | | | | | |
| Sum | | | | | | | | | 1,064 | 0 |
| FLIPCHIP CSP (Pb-Free) | | | | | | | | | | |
| FN81AGAN | AU | NR081001 | R1 | CYWB0124ABX-FNXIT | 130 | 3.63 | 96 | 27 | 0 | |
| FN81AGAN | AU | NR081001 | R2 | CYWB0124ABX-FNXIT | 130 | 3.63 | 96 | 27 | 0 | |
| FN81AGAN | AU | NR081001 | R3 | CYWB0124ABX-FNXIT | 130 | 3.63 | 96 | 52 | 0 | |
| FN81AGAN | AU | NR081001 | R3 | CYWB0124ABX-FNXIT | 130 | 3.63 | 96 | 34 | 0 | |
| FN81AGAN | AU | NR081001 | R5 | CYWB0124ABX-FNXIT | 130 | 3.63 | 96 | 55 | 0 | |
| FN81AGAN | AU | NR081001 | R5 | CYWB0124ABX-FNXIT | 130 | 3.63 | 96 | 29 | 0 | |
| Summary for Package Family : FLIPCHIP CSP (Pb-Free) (6 records) | | | | | | | | | | |
| Sum | | | | | | | | | 224 | 0 |

16,004 0

Summary Detail -- TCT Performance Over Time

From: 7/2/2007
To: 6/29/2008

| Bldkit | Assy Site | EvalNum | TV | Device | High Temp | Low Temp | Cycles | SS | Rejects | FA | Results |
|--|----------------|----------|----|---------------------|-----------|----------|--------|----|--------------|----------|---------|
| Windowed CLCC (Pb-free) | | | | | | | | | | | |
| Summary for Package Family : Windowed CLCC (Pb-free) (2 records) | | | | | | | | | | | |
| Sum | | | | | | | | | 0 | 0 | |
| FBGA (0.75-0.8, 0.3mm) | | | | | | | | | | | |
| B4V8BAAALE | G-TAIWAN | MR074003 | R1 | CG6601AA | 150 | -65 | 500 | 80 | 0 | | |
| B4V8BAAALE | G-TAIWAN | MR074003 | R1 | CG6601AA | 150 | -65 | 1000 | 80 | 0 | | |
| BA48BQAAL | RA-CML | MR073051 | R1 | CY62137CVSL-70BAIT | 150 | -65 | 500 | 80 | 0 | | |
| BA48BQAAL | RA-CML | MR074061 | R1 | CY62137CVSL-70BAIT | 150 | -65 | 1000 | 80 | 0 | | |
| BA48CRALE | T-OSE | MR074046 | R1 | CY62137CVSL-70BAIT | 150 | -65 | 1000 | 79 | 0 | | |
| BA48CRALE | T-TAIWAN | MR074068 | R1 | CY62137CVSL-70BAIT | 150 | -65 | 1000 | 79 | 0 | | |
| BA48CRALE | OSE-T | MR081020 | R1 | CY62137CVSL-70BAI | 150 | -65 | 500 | 80 | 0 | | |
| BA48CRALE | OSE-T | MR081020 | R1 | CY62137CVSL-70BAI | 150 | -65 | 1000 | 79 | 0 | | |
| BA48CRALE | T-OSE | MR082018 | R1 | CY62137CVSL-70BAI | 150 | -65 | 500 | 80 | 0 | | |
| BA48CRALE | T-OSE | MR082018 | R1 | CY62137CVSL-70BAI | 150 | -65 | 1000 | 80 | 0 | | |
| BA60ABAALE | AT - Indonesia | 73603 | R1 | CY7C1069A | 150 | -65 | 500 | 77 | 0 | | |
| BA60ABAALE | AT - Indonesia | 73603 | R1 | CY7C1069A | 150 | -65 | 1000 | 77 | 0 | | |
| BA60ABAALE | AT - Indonesia | 73603 | R2 | CY7C1069A | 150 | -65 | 500 | 76 | 0 | | |
| BA60ABAALE | AT - Indonesia | 73603 | R2 | CY7C1069A | 150 | -65 | 1000 | 76 | 0 | | |
| BA60ABAALE | AT - Indonesia | 73603 | R3 | CY7C1069A | 150 | -65 | 500 | 77 | 0 | | |
| BA60ABAALE | AT - Indonesia | 73603 | R3 | CY7C1069A | 150 | -65 | 1000 | 77 | 0 | | |
| Summary for Package Family : FBGA (0.78-0.8, 0.3mm) (16 records) | | | | | | | | | 1,257 | 0 | |
| Sum | | | | | | | | | | | |
| FBGA (0.75-0.8, 0.3mm, Pb-free) | | | | | | | | | | | |
| BK48ABAALL | AIT-INDONESIA | 73503 | R1 | CY62137CVSL-70BAXI | 150 | -65 | 500 | 75 | 0 | | |
| BK48ABAALL | AIT-INDONESIA | 73503 | R1 | CY62137CVSL-70BAXI | 150 | -65 | 1000 | 75 | 0 | | |
| BK48ABAALL | AIT-INDONESIA | 73503 | R2 | CY62137CVSL-70BAXI | 150 | -65 | 500 | 77 | 0 | | |
| BK48ABAALL | AIT-INDONESIA | 73503 | R3 | CY62137CVSL-70BAXI | 150 | -65 | 500 | 80 | 0 | | |
| BK48ABAALL | AIT-INDONESIA | 73503 | R3 | CY62137CVSL-70BAXI | 150 | -65 | 1000 | 80 | 0 | | |
| BK48BQALL | RA-CML | MR073046 | R1 | CY62137CVSL-70BAXIT | 150 | -65 | 500 | 80 | 0 | | |
| BK48BWALL | G-TAIWAN | MR072032 | R1 | CY7C1021CV33-10BAXI | 150 | -65 | 500 | 80 | 0 | | |
| BK48BWALL | G-TAIWAN | MR072032 | R1 | CY7C1021CV33-10BAXI | 150 | -65 | 1000 | 80 | 0 | | |
| BK48BWALL | G-TAIWAN | MR073041 | R1 | CY7C1021CV33-10BAXI | 150 | -65 | 500 | 80 | 0 | | |
| BK48BWALL | G-TAIWAN | MR073041 | R1 | CY7C1021CV33-10BAXI | 150 | -65 | 1000 | 79 | 0 | | |
| BK48BWBLL | G-ASE | MR082010 | R1 | CY7C1021CV33-10BAXI | 150 | -65 | 500 | 76 | 0 | | |
| BK48BWBLL | G-ASE | MR082010 | R1 | CY7C1021CV33-10BAXI | 150 | -65 | 1000 | 75 | 0 | | |
| BK48CDALL | G-TAIWAN | 73205 | R1 | CY7C1041CV33-20BAI | 150 | -65 | 500 | 83 | 0 | | |
| BK48CPBGL | G-TAIWAN | MR074056 | R1 | CY7C67200-48BAXIT | 150 | -65 | 1000 | 80 | 0 | | |
| BK60AAALE | G-TAIWAN | MR082069 | R1 | CY7C1061AV33-10BAXI | 150 | -65 | 500 | 80 | 0 | | |
| BK60AAALE | G-ASE | NR072015 | R1 | CY7C1061AV33-10BAXI | 150 | -65 | 500 | 79 | 0 | | |
| Summary for Package Family : FBGA (0.78-0.8, Pb-free, 0.3mm) (16 records) | | | | | | | | | 1,259 | 0 | |
| Sum | | | | | | | | | | | |
| FBGA (1.0-1.27) | | | | | | | | | | | |
| BB100CAALE | G-ASE | MR081067 | R1 | CYP15G0101DXB-BBI | 150 | -65 | 500 | 80 | 0 | | |
| BB100CAALE | G-ASE | MR081067 | R1 | CYP15G0101DXB-BBI | 150 | -65 | 1000 | 80 | 0 | | |
| BB100EAALE | ASE-G | MR073001 | R1 | CY7B994V-2BBI | 150 | -65 | 500 | 80 | 0 | | |
| BB100EAALE | ASE-G | MR073001 | R1 | CY7B994V-2BBI | 150 | -65 | 1000 | 79 | 0 | | |

| | | | | | | | | | |
|------------|---------------|----------|----|---------------------|-----|-----|------|----|---|
| BB100EAAL | G-TAIWAN | MR082041 | R1 | CY7B994V-2BBI | 150 | -65 | 500 | 80 | 0 |
| BB100EAAL | G-TAIWAN | MR082041 | R1 | CY7B994V-2BBI | 150 | -65 | 1000 | 80 | 0 |
| BB144CALE | G-TAIWAN | NR072030 | R1 | CY7C08313AV-167BBC | 150 | -65 | 500 | 50 | 0 |
| BB144CALE | G-TAIWAN | NR072030 | R1 | CY7C08313AV-167BBC | 150 | -65 | 1000 | 50 | 0 |
| BB144CALE | G-TAIWAN | NR072030 | R2 | CY7C0830AV-167BBC | 150 | -65 | 500 | 50 | 0 |
| BB144CALE | G-TAIWAN | NR072030 | R2 | CY7C0830AV-167BBC | 150 | -65 | 1000 | 50 | 0 |
| BB144CALE | G-TAIWAN | NR072030 | R3 | CY7C0837AV-167BBC | 150 | -65 | 500 | 48 | 0 |
| BB144CALE | G-TAIWAN | NR072030 | R3 | CY7C0837AV-167BBC | 150 | -65 | 1000 | 48 | 0 |
| BB165AVLE | CML-RA | MR074047 | R1 | CY7C1313BV18-250BZC | 150 | -65 | 500 | 80 | 0 |
| BB165AVLE | RA-CML | MR074047 | R1 | CY7C1313BV18-250BZC | 150 | -65 | 1000 | 80 | 0 |
| BB165AVLE | RA-CML | NR072019 | R1 | CY7C1313BV18-250BZC | 150 | -65 | 500 | 74 | 0 |
| BB165AVLE | RA-CML | NR072019 | R1 | CY7C1313BV18-250BZC | 150 | -65 | 1000 | 74 | 0 |
| BB165AVLE | RA-CML | NR072019 | R2 | CY7C1313BV18-250BZC | 150 | -65 | 1000 | 77 | 0 |
| BB165AVLE | RA-CML | NR072019 | R3 | CY7C1313BV18-250BZC | 150 | -65 | 500 | 50 | 0 |
| BB165AVLE | RA-CML | NR072019 | R3 | CY7C1313BV18-250BZC | 150 | -65 | 1000 | 49 | 0 |
| BB165AVLE | RA-CML | NR073007 | R1 | CY7C1313BV18-250BZC | 150 | -65 | 500 | 76 | 0 |
| BB165AVLE | RA-CML | NR073007 | R1 | CY7C1313BV18-250BZC | 150 | -65 | 1000 | 76 | 0 |
| BB165AVLE | RA-CML | NR073007 | R2 | CY7C1313BV18-250BZC | 150 | -65 | 500 | 77 | 0 |
| BB165AVLE | RA-CML | NR073007 | R2 | CY7C1313BV18-250BZC | 150 | -65 | 1000 | 77 | 0 |
| BB172AAGE | G-TAIWAN | NR072027 | R1 | CY7C057V-15BBC | 150 | -65 | 500 | 50 | 0 |
| BB172AAGE | G-TAIWAN | NR072027 | R1 | CY7C057V-15BBC | 150 | -65 | 1000 | 50 | 0 |
| BB172AAGE | G-TAIWAN | NR072027 | R2 | CY7C057V-12BBC | 150 | -65 | 500 | 50 | 0 |
| BB172AAGE | G-TAIWAN | NR072027 | R2 | CY7C057V-12BBC | 150 | -65 | 1000 | 50 | 0 |
| BB172AAGE | G-TAIWAN | NR072027 | R3 | CY7C057V-15BBI | 150 | -65 | 500 | 50 | 0 |
| BB172AAGE | G-TAIWAN | NR072027 | R3 | CY7C057V-15BBI | 150 | -65 | 1000 | 50 | 0 |
| BB209BALE | G-TAIWAN | NR072022 | R1 | CY7C1474V33-167BGC | 150 | -65 | 1000 | 46 | 0 |
| BB256AAAGL | AT-INDONESIA | 72005 | R1 | CYNSE70130D-125BBC | 150 | -65 | 1000 | 80 | 0 |
| BB256AAAGL | AT-INDONESIA | 72005 | R2 | CYNSE70130D-125BBC | 150 | -65 | 1000 | 80 | 0 |
| BB256AAAGL | AT-INDONESIA | 72005 | R3 | CYNSE70130D-125BBC | 150 | -65 | 1000 | 80 | 0 |
| FBGA 165 | AIT-Indonesia | 73509 | R1 | CY7C1305BV25 | 150 | -65 | 500 | 70 | 0 |
| FBGA 165 | AIT-Indonesia | 73509 | R1 | CY7C1305BV25 | 150 | -65 | 1000 | 70 | 0 |
| FBGA 165 | AIT-Indonesia | 73509 | R2 | CY7C1305BV25 | 150 | -65 | 500 | 77 | 0 |
| FBGA 165 | AIT-Indonesia | 73509 | R2 | CY7C1305BV25 | 150 | -65 | 1000 | 76 | 0 |
| FBGA 165 | AIT-Indonesia | 73509 | R3 | CY7C1305BV25 | 150 | -65 | 500 | 77 | 0 |
| FBGA 165 | AIT-Indonesia | 73509 | R3 | CY7C1305BV25 | 150 | -65 | 1000 | 77 | 0 |
| FBGA 172 | G-TAIWAN | 73905 | R1 | CY7C0853AV | 150 | -65 | 500 | 80 | 0 |
| FBGA 172 | G-TAIWAN | 73905 | R1 | CY7C0853AV | 150 | -65 | 1000 | 80 | 0 |
| FBGA 172 | G-TAIWAN | 73905 | R2 | CY7C0853AV | 150 | -65 | 500 | 79 | 0 |
| FBGA 172 | G-TAIWAN | 73905 | R2 | CY7C0853AV | 150 | -65 | 1000 | 79 | 0 |
| FBGA 172 | G-TAIWAN | 73905 | R3 | CY7C0853AV | 150 | -65 | 500 | 80 | 0 |
| FBGA 172 | G-TAIWAN | 73905 | R3 | CY7C0853AV | 150 | -65 | 1000 | 80 | 0 |

Summary for Package Family : FBGA (1.0) (45 records)
Sum

3,076 0

FBGA (1.0-1.27, Pb-free)

| | | | | | | | | | |
|------------|---------------|----------|----|---------------------|-----|-----|------|----|---|
| BV48CJALL | RA-CML | MR074025 | R1 | CY62167DV30LL-70BVI | 150 | -65 | 500 | 78 | 0 |
| BV48CJALL | RA-CML | MR074025 | R1 | CY62167DV30LL-70BVI | 150 | -65 | 1000 | 78 | 0 |
| BW100AAALL | AIT-Indonesia | 73507 | R1 | CYP15G0101DXB-BBXI | 150 | -65 | 500 | 77 | 0 |

| | | | | | | | | | |
|---|---------------|----------|-----|----------------------|-----|-----|------|------------|----------|
| BW100AAALL | AIT-Indonesia | 73507 | R1 | CYP15G0101DXB-BBXI | 150 | -65 | 1000 | 77 | 0 |
| BW100AAALL | AIT-Indonesia | 73507 | R2 | CYP15G0101DXB-BBXI | 150 | -65 | 500 | 80 | 0 |
| BW100AAALL | AIT-Indonesia | 73507 | R2 | CYP15G0101DXB-BBXI | 150 | -65 | 1000 | 80 | 0 |
| BW100AAALL | AIT-Indonesia | 73507 | R3 | CYP15G0101DXB-BBXI | 150 | -65 | 500 | 78 | 0 |
| BW100AAALL | AIT-Indonesia | 73507 | R3 | CYP15G0101DXB-BBXI | 150 | -65 | 1000 | 78 | 0 |
| BW100EAGL | G-TAIWAN | NR072018 | R3 | CYP15G0101DXB-BBXC | 150 | -65 | 1000 | 80 | 0 |
| BW100EAGLE | G-TAIWAN | NR072033 | R1 | CYV15G0101DXB-BBXI | 150 | -65 | 500 | 45 | 0 |
| BW100EAGLE | G-TAIWAN | NR072033 | R1 | CYV15G0101DXB-BBXI | 150 | -65 | 1000 | 45 | 0 |
| BW100EAGLE | G-TAIWAN | NR072033 | R2 | CYV15G0101DXB-BBXC | 150 | -65 | 500 | 45 | 0 |
| BW100EAGLE | G-TAIWAN | NR072033 | R2 | CYV15G0101DXB-BBXC | 150 | -65 | 1000 | 45 | 0 |
| Summary for Package Family :FBGA (1.0, Pb-free) (13 records) | | | | | | | | | |
| Sum | | | | | | | | 886 | 0 |
| VFPGA (0.75-0.8, 0.3mm) | | | | | | | | | |
| BV48AMAAL | G-TAIWAN | MR073035 | R1 | CY62136CV30LL-55BVI | 150 | -65 | 500 | 80 | 0 |
| BZ100BAALL | G-TAIWAN | MR074035 | R1 | CYDM128A16-65BVXI | 150 | -65 | 1000 | 79 | 0 |
| BZ100BAALL | G-TAIWAN | MR081044 | R1 | CYDM128B16-55BVXI | 150 | -65 | 500 | 74 | 0 |
| BZ100BAALL | G-TAIWAN | MR081044 | R1 | CYDM128B16-55BVXI | 150 | -65 | 1000 | 74 | 0 |
| BZ100CGAL | RA-CML | 72404 | R1A | CYWB0124AB-BVXI | 150 | -65 | 1000 | 48 | 0 |
| BZ100CGAL | RA-CML | 72404 | R2A | CYWB0124AB-BVXI | 150 | -65 | 1000 | 31 | 0 |
| BZ100CGAL | RA-CML | 72404 | R2B | CYWB0124AB-BVXI | 150 | -65 | 1000 | 31 | 0 |
| BZ100CGAL | RA-CML | 72404 | R3A | CYWB0124AB-BVXI | 150 | -65 | 1000 | 31 | 0 |
| BZ100CGAL | RA-CML | 74003 | R2 | CYWB0124AB-BVXIT | 150 | -65 | 1000 | 80 | 0 |
| BZ100CGAL | CML-RA | 80503 | R1 | CYWB0124AB-BVXI | 150 | -65 | 1000 | 255 | 0 |
| BZ100CGAL | RA-CML | 80604 | R1 | CYWB0124AB-BVXI | 150 | -65 | 500 | 81 | 0 |
| BZ100CGAL | RA-CML | 80604 | R1 | CYWB0124AB-BVXI | 150 | -65 | 1000 | 81 | 0 |
| BZ100CGAL | RA-CML | MR081018 | R1 | CYWB0124AB-BVXI | 150 | -65 | 500 | 79 | 0 |
| BZ100CGAL | RA-CML | MR081018 | R1 | CYWB0124AB-BVXI | 150 | -65 | 1000 | 76 | 0 |
| BZ100CGAL | RA-CML | MR082027 | R1 | CYWB0124AB-BVXI | 150 | -65 | 500 | 80 | 0 |
| BZ100CGAL | RA-CML | MR082027 | R1 | CYWB0124AB-BVXI | 150 | -65 | 1000 | 80 | 0 |
| BZ100FAAGL | AIT-INDONESIA | NR073001 | R1 | CYWB0124AB-BVXI | 150 | -65 | 500 | 78 | 0 |
| BZ100FAAGL | AIT-INDONESIA | NR073001 | R1 | CYWB0124AB-BVXI | 150 | -65 | 1000 | 78 | 0 |
| BZ100FAAGL | AIT-INDONESIA | NR073001 | R2 | CYWB0124AB-BVXI | 150 | -65 | 500 | 80 | 0 |
| BZ100FAAGL | AIT-INDONESIA | NR073001 | R2 | CYWB0124AB-BVXI | 150 | -65 | 1000 | 80 | 0 |
| BZ100FAAGL | AIT-INDONESIA | NR073001 | R3 | CYWB0124AB-BVXI | 150 | -65 | 500 | 80 | 0 |
| BZ100FAAGL | AIT-INDONESIA | NR073001 | R3 | CYWB0124AB-BVXI | 150 | -65 | 1000 | 80 | 0 |
| BZ100GAAGL | AIT-Indonesia | 71005 | R1 | CYWB0224ABS-BVXIES | 150 | -65 | 500 | 77 | 0 |
| BZ100GAAGL | AIT-Indonesia | 71005 | R1 | CYWB0224ABS-BVXIES | 150 | -65 | 1000 | 77 | 0 |
| BZ100GAALL | RA-CML | 81206 | R1 | CYWB0226ABS-BVXIES | 150 | -65 | 500 | 77 | 0 |
| BZ100GAALL | RA-CML | 81206 | R1 | CYWB0226ABS-BVXIES | 150 | -65 | 1000 | 77 | 0 |
| BZ48CEAALL | G-TAIWAN | MR074055 | R1 | CY62147EV30LL-45BVXI | 150 | -65 | 1000 | 79 | 0 |
| BZ48CMAALL | G-TAIWAN | NR064007 | R1A | CY7C1019DV33-10BVXI | 150 | -65 | 1000 | 50 | 0 |
| BZ48CMAALL | G-TAIWAN | NR064007 | R2A | CY7C1019DV33-10BVXI | 150 | -65 | 100 | 50 | 0 |
| BZ48CMAALL | G-TAIWAN | NR064007 | R3A | CY7C1019DV33-10BVXI | 150 | -65 | 1000 | 50 | 0 |
| BZ48CQAALL | G-TAIWAN | MR082047 | R1 | CY62137FV30LL-45BVXI | 150 | -65 | 500 | 80 | 0 |
| BZ48CQAALL | G-TAIWAN | MR082047 | R1 | CY62137FV30LL-45BVXI | 150 | -65 | 1000 | 80 | 0 |
| BZ48DAGLL | RA-CML | MR081019 | R1 | CY62137FV30LL- | 150 | -65 | 500 | 80 | 0 |

| | | | | | | | | | |
|------------|---------------|----------|----|------------------------------------|-----|-----|------|-----|---|
| BZ48DAGLL | RA-CML | MR081019 | R1 | 45BVXI CY62137FV30LL- 45BVXI | 150 | -65 | 1000 | 80 | 0 |
| BZ48DAGLL | RA-CML | MR082001 | R1 | CY62137FV30LL- 45BVXI | 150 | -65 | 500 | 80 | 0 |
| BZ48DAGLL | RA-CML | MR082001 | R1 | CY62137FV30LL- 45BVXI | 150 | -65 | 1000 | 80 | 0 |
| BZ56AGAGL | G-TAIWAN | MR074057 | R1 | CY7C68013-56BAXC | 150 | -65 | 1000 | 80 | 0 |
| BZ56AGAL | G-TAIWAN | MR082035 | R1 | CY7C68013A-56BAXC | 150 | -65 | 500 | 80 | 0 |
| BZ56AGAL | G-TAIWAN | MR082035 | R1 | CY7C68013A-56BAXC | 150 | -65 | 1000 | 80 | 0 |
| BZ56FAALE | ASE-G | MR081037 | R1 | CY7C68053-56BAX | 150 | -65 | 500 | 80 | 0 |
| BZ56FAALE | ASE-G | MR081037 | R1 | CY7C68053-56BAX | 150 | -65 | 1000 | 80 | 0 |
| BZ56GABGL | RA-CML | 82017 | R1 | CY7C68053-56BAXI | 150 | -65 | 500 | 319 | 0 |
| BZ56GABGL | RA-CML | 82017 | R1 | CY7C68053-56BAXI | 150 | -65 | 1000 | 318 | 0 |
| BZ56GABGL | RA-CML | NR072032 | R1 | 7C680510AC-RABZI | 150 | -65 | 1000 | 50 | 0 |
| BZ56GABGL | RA-CML | NR072032 | R2 | CY7C68053-56BAXI | 150 | -65 | 500 | 45 | 0 |
| BZ56GABGL | RA-CML | NR072032 | R2 | CY7C68053-56BAXI | 150 | -65 | 1000 | 45 | 0 |
| BZ56GABGL | RA-CML | NR072032 | R3 | CY7C68053-56BAXI | 150 | -65 | 500 | 45 | 0 |
| BZ56GABGL | RA-CML | NR072032 | R3 | CY7C68053-56BAXI | 150 | -65 | 1000 | 45 | 0 |
| BZ56IAAAGL | AT-IND | MR074053 | R1 | CY7C68053-56BAXIT | 150 | -65 | 1000 | 80 | 0 |
| BZ56IAAAGL | AIT-INDONESIA | MR081053 | R1 | CY7C68053-56BAXI | 150 | -65 | 500 | 80 | 0 |
| BZ56IAAAGL | AIT-INDONESIA | MR081053 | R1 | CY7C68053-56BAXI | 150 | -65 | 1000 | 80 | 0 |
| BZ56IAAAGL | AT-INDS | MR082055 | R1 | CY7C68053-56BAXI | 150 | -65 | 500 | 80 | 0 |
| BZ56IAAAGL | AT-INDS | MR082055 | R1 | CY7C68053-56BAXI | 150 | -65 | 1000 | 80 | 0 |
| BZ56IAAAGL | AIT-INDONESIA | NR072003 | R3 | CY7C68053-56BAXI | 150 | -65 | 1000 | 50 | 0 |

Summary for Package Family : VFBGA (0.75-0.8, 0.3mm) (54 records)

Sum **4,470** **0**

VFBGA (0.75-0.8, 0.3mm, Pb-free)

| | | | | | | | | | |
|------------|--------------|----------|-----|---|-----|-----|------|----|---|
| BZ100BAALL | G-TAIWAN | MR073064 | R1 | CYDM256B16-55BVXI | 150 | -65 | 500 | 74 | 0 |
| BZ100BAALL | G-TAIWAN | MR074035 | R1 | CYDM128A16-65BVXI | 150 | -65 | 500 | 79 | 0 |
| BZ100CGAL | RA-CML | 72404 | R1 | CYWB0124AB-BVXI | 150 | -65 | 300 | 50 | 0 |
| BZ100CGAL | RA-CML | 72404 | R1A | CYWB0124AB-BVXI | 150 | -65 | 300 | 50 | 0 |
| BZ100CGAL | RA-CML | 72404 | R1A | CYWB0124AB-BVXI | 150 | -65 | 500 | 50 | 0 |
| BZ100CGAL | RA-CML | 72404 | R2A | CYWB0124AB-BVXI | 150 | -65 | 300 | 32 | 0 |
| BZ100CGAL | RA-CML | 72404 | R2A | CYWB0124AB-BVXI | 150 | -65 | 500 | 32 | 0 |
| BZ100CGAL | RA-CML | 72404 | R2B | CYWB0124AB-BVXI | 150 | -65 | 300 | 32 | 0 |
| BZ100CGAL | RA-CML | 72404 | R2B | CYWB0124AB-BVXI | 150 | -65 | 500 | 32 | 0 |
| BZ100CGAL | RA-CML | 72404 | R2C | CYWB0124AB-BVXI | 150 | -65 | 300 | 32 | 0 |
| BZ100CGAL | RA-CML | 72404 | R2C | CYWB0124AB-BVXI | 150 | -65 | 500 | 32 | 0 |
| BZ100CGAL | RA-CML | 72404 | R3A | CYWB0124AB-BVXI | 150 | -65 | 300 | 32 | 0 |
| BZ100CGAL | RA-CML | 72404 | R3A | CYWB0124AB-BVXI | 150 | -65 | 500 | 32 | 0 |
| BZ100CGAL | RA-CML | 72404 | R3B | CYWB0124AB-BVXI | 150 | -65 | 300 | 31 | 0 |
| BZ100CGAL | RA-CML | 72404 | R3B | CYWB0124AB-BVXI | 150 | -65 | 500 | 31 | 0 |
| BZ100CGAL | CML-RA | 72404 | R3C | CYWB0124AB-BVXI | 150 | -65 | 300 | 32 | 0 |
| BZ100CGAL | CML-RA | 72404 | R3C | CYWB0124AB-BVXI | 150 | -65 | 500 | 31 | 0 |
| BZ100CGAL | RA-CML | MR074017 | R1 | CYWB0124AB-BVXIT | 150 | -65 | 500 | 80 | 0 |
| BZ100CGAL | RA-CML | MR074017 | R1 | CYWB0124AB-BVXIT | 150 | -65 | 1000 | 80 | 0 |
| BZ48ABAAGL | AT-INDONESIA | NR072005 | R1 | CYK256K16SCBU | 150 | -65 | 500 | 80 | 0 |
| BZ48ABAAGL | AT-INDONESIA | NR072005 | R1 | CYK256K16SCBU | 150 | -65 | 1000 | 80 | 0 |
| BZ48ABAAGL | AT-INDONESIA | NR072005 | R3 | CYK256K16SCBU CY62157DV30LL- 70BVXI | 150 | -65 | 1000 | 80 | 0 |
| BZ48ANAARL | AT-Indonesia | 71902 | R1 | CY62157DV30LL- 70BVXI | 150 | -65 | 1000 | 78 | 0 |
| BZ48ANAARL | AT-Indonesia | 71902 | R2 | CY62157DV30LL- 70BVXI | 150 | -65 | 1000 | 80 | 0 |
| BZ48ANAARL | AT-Indonesia | 71902 | R3 | CY62157DV30LL- 70BVXI | 150 | -65 | 1000 | 78 | 0 |
| BZ48BBAALL | AT-INDONESIA | 72302 | R1 | CY62167DV30LL- 70BVXI | 150 | -65 | 500 | 77 | 0 |
| BZ48BBAALL | AT-INDONESIA | 72302 | R1 | CY62167DV30LL- 70BVXI | 150 | -65 | 1000 | 76 | 0 |
| BZ48BBAALL | AT-INDONESIA | 72302 | R2 | CY62167DV30LL- 70BVXI | 150 | -65 | 500 | 76 | 0 |
| BZ48BBAALL | AT-INDONESIA | 72302 | R2 | CY62167DV30LL- 70BVXI | 150 | -65 | 1000 | 76 | 0 |

| | | | | | | | | | |
|---|----------------|----------|-----|------------------------------------|-----|-----|------|--------------|----------|
| BZ48BBAALL | AT-INDONESIA | 72302 | R3 | 70BVXI CY62167DV30LL- 70BVXI | 150 | -65 | 500 | 80 | 0 |
| BZ48BBAALL | AT-INDONESIA | 72302 | R3 | CY62167DV30LL- 70BVXI | 150 | -65 | 1000 | 80 | 0 |
| BZ48CHAALL | ASE-G | MR073005 | r1 | CY62126EV30LL- 45BVXI | 150 | -65 | 500 | 77 | 0 |
| BZ48CHAALL | ASE-G | MR073005 | r1 | CY62126EV30LL- 45BVXI | 150 | -65 | 1000 | 77 | 0 |
| BZ56AGAGL | G-TAIWAN | MR072018 | R1 | CY7C68013A-56BAXC | 150 | -65 | 500 | 80 | 0 |
| BZ56AGAGL | G-TAIWAN | MR072018 | R1 | CY7C68013A-56BAXC | 150 | -65 | 1000 | 80 | 0 |
| BZ56FAALE | G-TAIWAN | 65201 | R1A | CY7C68053-56BAXI | 150 | -65 | 1000 | 50 | 0 |
| BZ56FAALE | G-TAIWAN | 65201 | R2 | CY7C68053-56BAXI | 150 | -65 | 500 | 50 | 0 |
| BZ56FAALE | G-TAIWAN | 65201 | R2 | CY7C68053-56BAXI | 150 | -65 | 1000 | 50 | 0 |
| BZ56FAALE | ASE-T | 65201 | R3 | CY7V680510-56BGA | 150 | -65 | 300 | 50 | 0 |
| BZ56FAALE | ASE-T | 65201 | R3 | CY7V680510-56BGA | 150 | -65 | 1000 | 50 | 0 |
| BZ56GABGL | RA-CML | NR072032 | R1 | CY7C68053-56BAXI | 150 | -65 | 500 | 50 | 0 |
| BZ56IAAAGL | AT-TAIWAN | MR074053 | R1 | CY7C68053-56BAXIT | 150 | -65 | 500 | 80 | 0 |
| BZ56IAAAGL | AT-INDONESIA | NR072003 | R1 | CY7C68053*56BAXI | 150 | -65 | 500 | 80 | 0 |
| BZ56IAAAGL | AT-INDONESIA | NR072003 | R1 | CY7C68053*56BAXI | 150 | -65 | 1000 | 80 | 0 |
| BZ56IAAAGL | AIT-Indonesia | NR072003 | R2 | CY7C68053-56BAXI | 150 | -65 | 500 | 80 | 0 |
| BZ56IAAAGL | AIT-Indonesia | NR072003 | R2 | CY7C68053-56BAXI | 150 | -65 | 1000 | 79 | 0 |
| Summary for Package Family : VFBGA (0.75-0.8, 0.3mm, Pb-free) (46 records) | | | | | | | | | |
| Sum | | | | | | | | 2,798 | 0 |
| Windowed PGA | | | | | | | | | |
| GB85ABAAAA | | | | | | | | | |
| Summary for Package Family : Windowed PGA (Pb-free) (0 record) | | | | | | | | | |
| Sum | | | | | | | | 0 | 0 |
| PBGA (1.27) | | | | | | | | | |
| BG119ABALE | AT - Indonesia | 73702 | R1 | CY7C1012SV33 | 150 | -65 | 500 | 80 | 0 |
| BG119ABALE | AT - Indonesia | 73702 | R1 | CY7C1012SV33 | 150 | -65 | 1000 | 80 | 0 |
| BG119ABALE | AT - Indonesia | 73702 | R2 | CY7C1012SV33 | 150 | -65 | 500 | 80 | 0 |
| BG119ABALE | AT - Indonesia | 73702 | R2 | CY7C1012SV33 | 150 | -65 | 1000 | 78 | 0 |
| BG119ABALE | AT - Indonesia | 73702 | R3 | CY7C1012AV33 | 150 | -65 | 500 | 80 | 0 |
| BG119ABALE | AT - Indonesia | 73702 | R3 | CY7C1012AV33 | 150 | -65 | 1000 | 80 | 0 |
| BG119JALE | G-TAIWAN | MR081047 | R1 | CY7C1021AV33-8BGC | 150 | -65 | 500 | 80 | 0 |
| BG119JALE | G-TAIWAN | MR081047 | R1 | CY7C1021AV33-8BGC | 150 | -65 | 1000 | 80 | 0 |
| BG119QALE | G-TAIWAN | MR071066 | R1 | CY7C1325G-133BGC | 150 | -65 | 1000 | 79 | 0 |
| BG119SALE | G-TAIWAN | MR073002 | R1 | CY7C1354C-166BGC | 150 | -65 | 500 | 80 | 0 |
| BG119SALE | G-TAIWAN | MR073002 | R1 | CY7C1354C-166BGC | 150 | -65 | 1000 | 80 | 0 |
| BG119SALE | G-TAIWAN | MR074032 | R1 | CY7C1354C-166BGC | 150 | -65 | 1000 | 80 | 0 |
| BG119SALE | G-ASE | MR082021 | R1 | CY7C1354C-166BGC | -65 | -65 | 500 | 80 | 0 |
| BG119SALE | G-ASE | MR082021 | R1 | CY7C1354C-166BGC | -65 | -65 | 1000 | 80 | 0 |
| Summary for Package Family : PBGA (1.27) (14 records) | | | | | | | | | |
| Sum | | | | | | | | 1,117 | 0 |
| PBGA (1.27, Pb-free) | | | | | | | | | |
| BY119QALL | G-TAIWAN | NR072001 | R2 | CY7C1347G-133BGXC | 150 | -65 | 500 | 80 | 0 |
| BY119QALL | G-TAIWAN | NR072001 | R2 | CY7C1347G-133BGXC | 150 | -65 | 1000 | 80 | 0 |
| BY119QALL | G-TAIWAN | NR072001 | R3 | CY7C347G-133BGXC | 150 | -65 | 500 | 80 | 0 |
| BY119QALL | G-TAIWAN | NR072001 | R3 | CY7C347G-133BGXC | 150 | -65 | 1000 | 80 | 0 |
| Summary for Package Family : PBGA (1.27, Pb-free) (4 records) | | | | | | | | | |
| Sum | | | | | | | | 320 | 0 |
| PBGA (Cavity/Heatsink) | | | | | | | | | |
| BL256L2GE | | | | | | | | | |
| Summary for Package Family : PBGA (Cavity/Heatsink) (0 record) | | | | | | | | | |
| Sum | | | | | | | | 0 | 0 |
| PBGA (Cavity/Heatsink, Pb-free) | | | | | | | | | |
| BJ256L2GL | G-TAIWAN | NR072002 | R1 | CYP15G0401DXB- BGXI | 150 | -65 | 500 | 80 | 0 |
| BJ256L2GL | G-TAIWAN | NR072002 | R1 | CYP15G0401DXB- BGXI | 150 | -65 | 1000 | 80 | 0 |
| BJ256L2GL | G-TAIWAN | NR072002 | R2 | CYV15G0401DXB- BGXC | 150 | -65 | 500 | 78 | 0 |

| | | | | | | | | | | | | |
|---|---------------|----------|-----|--------------------|-----|-----|------|-----|--------------|--------------|------------------|--|
| BJ256L2GL | G-TAIWAN | NR072002 | R2 | CYV15G0401DXB-BGXC | 150 | -65 | 1000 | 78 | 0 | | | |
| BJ256L2GL | G-TAIWAN | NR072002 | R3 | CYP15G0401DXB-BGXI | 150 | -65 | 1000 | 78 | 0 | | | |
| Summary for Package Family : PBGA (Cavity/Heatsink, Pb-free) (5 records) | | | | | | | | | | | | |
| Sum | | | | | | | | | 394 | 0 | | |
| PDIP | | | | | | | | | | | | |
| P246DGAAGB | X-MMT | MR081066 | R1 | CY7C264-35PC | 150 | -65 | 500 | 79 | 0 | | | |
| P246DGAAGB | X-MMT | MR081066 | R1 | CY7C264-35PC | 150 | -65 | 1000 | 78 | 0 | | | |
| Summary for Package Family : PDIP (3 records) | | | | | | | | | | | | |
| Sum | | | | | | | | | 157 | 0 | | |
| PDIP (Pb-free) | | | | | | | | | | | | |
| PZ183ABAGN | X-MMT | 81906 | R1 | CS6632AF | 150 | -65 | 500 | 161 | 0 | | | |
| PZ183ABAGN | X-MMT | 81906 | R1 | CS6632AF | 150 | -65 | 1000 | 161 | 0 | | | |
| PZ183ABAGN | X-MMT | 81906 | R1A | CS6632AF | 150 | -65 | 500 | 80 | 0 | | | |
| PZ183AXGN | O-INDONESIA | 65001 | R2 | CY7C63813-PXC | 150 | -65 | 1000 | 46 | 0 | | | |
| PZ183AXGN | O-IND | MR074015 | R1 | CS6632AF | 150 | -65 | 500 | 77 | 0 | | | |
| PZ183AXGN | O-INDS | MR081042 | R1 | CS6632AF | 150 | -65 | 1000 | 56 | 0 | | | |
| PZ183DAGN | RA-CML | MR071044 | R1 | CY7C63723C-PXC | 150 | -65 | 1000 | 80 | 0 | | | |
| PZ183DAGN | RA-CML | MR072027 | R1 | CY7C63723C-PXC | 150 | -65 | 500 | 79 | 0 | | | |
| PZ183DAGN | RA-CML | MR072027 | R1 | CY7C63723C-PXC | 150 | -65 | 1000 | 79 | 0 | | | |
| PZ183DAGN | RA-CML | MR073050 | R1 | CY7C63723C-PXC | 150 | -65 | 500 | 80 | 0 | | | |
| PZ183DAGN | RA-CML | MR081069 | R1 | CY7C63723C-PXC | 150 | -65 | 500 | 82 | 0 | | | |
| PZ183DAGN | RA-CML | MR081069 | R1 | CY7C63723C-PXC | 150 | -65 | 1000 | 82 | 0 | | | |
| PZ183DAGN | RA-CML | MR082065 | R1 | CY7C63723C-PXC | 150 | -65 | 500 | 79 | 1 | MR082065-1T1 | Lifted ball bond | |
| PZ183DAGN | RA-CML | MR082065 | R1 | CY7C63723C-PXC | 150 | -65 | 1000 | 78 | 0 | | | |
| PZ203CHAN | O-INDONESIA | MR072035 | R1 | CY8C26233-24PXI | 150 | -65 | 500 | 80 | 0 | | | |
| PZ203CHAN | O-INDONESIA | MR072035 | R1 | CY8C26233-24PXI | 150 | -65 | 1000 | 80 | 0 | | | |
| Summary for Package Family : PDIP (Pb-free) (16 records) | | | | | | | | | | | | |
| Sum | | | | | | | | | 1,380 | 1 | | |
| PLCC | | | | | | | | | | | | |
| J32RBGAAGB | X-INDS | MR073044 | R1 | CY7B992-5JIT | 150 | -65 | 500 | 80 | 0 | | | |
| J32RBGAAGB | X-THAILAND | MR074037 | R1 | CY7C429-15JC | 150 | -65 | 500 | 80 | 0 | | | |
| J32RBGAAGB | MMT-X | MR081030 | R1 | CY7C4231V-15JC | 150 | -65 | 500 | 80 | 0 | | | |
| J32RBGAAGB | MMT-X | MR081030 | R1 | CY7C4231V-15JC | 150 | -65 | 1000 | 80 | 0 | | | |
| J32RBGAAGB | X-MMT | MR082017 | R1 | CY7B9911V-5JCT | -65 | -65 | 500 | 80 | 0 | | | |
| J32RBGAAGB | X-MMT | MR082017 | R1 | CY7B9911V-5JCT | -65 | -65 | 1000 | 80 | 0 | | | |
| J32RBGAGB | X-THAI | MR034024 | R1 | CY7B991-5JC | 150 | -65 | 300 | 50 | 0 | | | |
| J32RBGAGB | X-THAI | MR034024 | R1 | CY7B991-5JC | 150 | -65 | 300 | 50 | 0 | | | |
| J32RBGAGB | X-THAI | MR034024 | R1 | CY7B991-5JC | -65 | -65 | 300 | 50 | 0 | | | |
| J52SFGAGB | M-PHILS | MR073009 | R1 | CY7C136-55JC | 150 | -65 | 500 | 78 | 0 | | | |
| J52SFGAGB | M-PHILS | MR073009 | R1 | CY7C136-55JC | 150 | -65 | 1000 | 78 | 0 | | | |
| Summary for Package Family : PLCC (11 records) | | | | | | | | | | | | |
| Sum | | | | | | | | | 786 | 0 | | |
| PLCC (Pb-free) | | | | | | | | | | | | |
| JZ32RBGAN | M-PHIL | 71206 | R1 | CY7B991V-JZ | 150 | -65 | 300 | 77 | 0 | | | |
| JZ32RBGAN | M-PHIL | 71206 | R1 | CY7B991V-JZ | 150 | -65 | 500 | 77 | 0 | | | |
| JZ32RBGAN | M-PHIL | 71206 | R1 | CY7B991V-JZ | 150 | -65 | 1000 | 77 | 0 | | | |
| JZ32RBGAN | M-PHILS | MR073043 | R1 | CY7C4241-15JXC | 150 | -65 | 500 | 79 | 0 | | | |
| JZ32RBGAN | M-PHILS | MR073043 | R1 | CY7C4241-15JXC | 150 | -65 | 1000 | 79 | 0 | | | |
| JZ32RBGAN | M-PHIL | MR074011 | R1 | CY7C4241-15JXC | 150 | -65 | 500 | 80 | 0 | | | |
| JZ32RBGAN | M-PHIL | MR074011 | R1 | CY7C4241-15JXC | 150 | -65 | 1000 | 80 | 0 | | | |
| JZ32RBGAN | M-PHIL | MR074011 | R2 | CY7C421-20JXC | 150 | -65 | 500 | 80 | 0 | | | |
| JZ32RBGAN | M-PHIL | MR074011 | R2 | CY7C421-20JXC | 150 | -65 | 1000 | 80 | 0 | | | |
| JZ32RBGAN | M-PHILIPPINES | MR081063 | R1 | CY7B991-5JXC | 150 | -65 | 500 | 80 | 0 | | | |
| JZ32RBGAN | M-PHILIPPINES | MR081063 | R1 | CY7B991-5JXC | -65 | -65 | 1000 | 80 | 0 | | | |
| JZ52SFGAN | M-PHILS | MR081035 | R1 | CY7C136-55JXC | 150 | -65 | 500 | 80 | 1 | MR081035-1T1 | Cut wedge | |
| JZ52SFGAN | M-PHILS | MR081035 | R1 | CY7C136-55JXC | 150 | -65 | 1000 | 77 | 0 | | | |
| Summary for Package Family : PLCC (Pb-free) (13 records) | | | | | | | | | | | | |
| Sum | | | | | | | | | 1,026 | 1 | | |
| PQFP (Pb-free) | | | | | | | | | | | | |

| | | | | | | | | | |
|-----------|----------|----------|-----|---------------|-----|-----|------|----|---|
| NZ52DXGAN | G-TAIWAN | MR073059 | R1 | CY7C131-55NXC | 150 | -65 | 500 | 79 | 0 |
| NZ52DXGAN | G-TAIWAN | MR074004 | R1 | CY7C136-55NXC | 150 | -65 | 500 | 80 | 0 |
| NZ52DXGAN | G-TAIWAN | MR074004 | R1 | CY7C136-55NXC | 150 | -65 | 1000 | 80 | 0 |
| NZ52DXGAN | G-ASEK | MR081004 | R1 | CY7C136-55NXC | 150 | -65 | 500 | 80 | 0 |
| NZ52DXGAN | G-ASEK | MR081004 | R1 | CY7C136-55NXC | 150 | -65 | 1000 | 80 | 0 |
| NZ52DXGAN | G-ASE | MR082061 | R1 | CY7C131-25NXC | -65 | -65 | 500 | 80 | 0 |
| NZ52DXGAN | G-ASE | MR082061 | R1 | CY7C131-25NXC | -65 | -65 | 1000 | 80 | 0 |
| NZ52DXGAN | G-TAIWAN | NR072014 | R1 | CY7C136-25NXC | 150 | -65 | 500 | 80 | 0 |
| NZ52DXGAN | G-TAIWAN | NR072014 | R1 | CY7C136-25NXC | 150 | -65 | 1000 | 80 | 0 |
| NZ52DXGAN | G-TAIWAN | NR072014 | R10 | CY7C136-55NXC | 150 | -65 | 1000 | 15 | 0 |
| NZ52DXGAN | G-TAIWAN | NR072014 | R11 | CY7C136-25NXC | 150 | -65 | 500 | 15 | 0 |
| NZ52DXGAN | G-TAIWAN | NR072014 | R12 | CY7C136-55NXC | 150 | -65 | 500 | 15 | 0 |
| NZ52DXGAN | G-TAIWAN | NR072014 | R12 | CY7C136-55NXC | 150 | -65 | 1000 | 15 | 0 |
| NZ52DXGAN | G-TAIWAN | NR072014 | R13 | CY7C136-55NXC | 150 | -65 | 500 | 15 | 0 |
| NZ52DXGAN | G-TAIWAN | NR072014 | R13 | CY7C136-55NXC | 150 | -65 | 1000 | 15 | 0 |
| NZ52DXGAN | G-TAIWAN | NR072014 | R2 | CY7C131-55NXC | 150 | -65 | 500 | 80 | 0 |
| NZ52DXGAN | G-TAIWAN | NR072014 | R2 | CY7C131-55NXC | 150 | -65 | 1000 | 80 | 0 |
| NZ52DXGAN | G-TAIWAN | NR072014 | R3 | 7C136GT-GNZC | 150 | -65 | 500 | 80 | 0 |
| NZ52DXGAN | G-TAIWAN | NR072014 | R3 | 7C136GT-GNZC | 150 | -65 | 1000 | 80 | 0 |
| NZ52DXGAN | G-TAIWAN | NR072014 | R4 | CY7C136-25NXC | 150 | -65 | 1000 | 15 | 0 |
| NZ52DXGAN | G-TAIWAN | NR072014 | R5 | CY7C131-55NXC | 150 | -65 | 1000 | 15 | 0 |
| NZ52DXGAN | G-TAIWAN | NR072014 | R6 | CY7C136-25NXC | 150 | -65 | 1000 | 15 | 0 |
| NZ52DXGAN | G-TAIWAN | NR072014 | R8 | CY7C136-25NXC | 150 | -65 | 1000 | 15 | 0 |
| NZ52DXGAN | G-TAIWAN | NR072014 | R9 | CY7C136-55NXC | 150 | -65 | 1000 | 13 | 0 |

Summary for Package Family : PQFP (Pb-free) (24 records)

Sum **1,202** **0**

QFN (Open Cavity, Pb-free)

| | | | | | | | | | |
|-----------|-------|----------|----|-----------------|-----|-----|-----|----|---|
| LB42ABALL | R-CML | NR081004 | R1 | CYONS10810-LBXC | 150 | 150 | 500 | 77 | 0 |
| LB42ABALL | R-CML | NR081004 | R2 | CYONS10810-LBXC | -40 | | 500 | 77 | 0 |
| LB42ABALL | R-CML | NR081004 | R3 | CYONS10810-LBXC | -40 | | 500 | 76 | 0 |

Summary for Package Family : QFN (Open Cavity, Pb-free) (3 records)

Sum **230** **0**

QFN (COL, Saw Type, Pb-Free)

| | | | | | | | | | |
|------------|----------|----------|----|-------------------|-----|-----|------|----|---|
| LG16AAAAAL | M-Amkor | 73904 | R1 | CY8C20234-12LKXI | 150 | -65 | 500 | 76 | 0 |
| LG16AAAAAL | M-Amkor | 73904 | R1 | CY8C20234-12LKXI | 150 | -65 | 1000 | 76 | 0 |
| LG16AAAAAL | M-Amkor | 73904 | R2 | CY8C20234-12LKXI | 150 | -65 | 500 | 77 | 0 |
| LG16AAAAAL | M-Amkor | 73904 | R2 | CY8C20234-12LKXI | 150 | -65 | 1000 | 77 | 0 |
| LG16AAAAAL | M-Amkor | 73904 | R3 | CY8C20234-12LKXI | 150 | -65 | 500 | 74 | 0 |
| LG16AAAAAL | M-Amkor | 73904 | R3 | CY8C20234-12LKXI | 150 | -65 | 1000 | 73 | 0 |
| LG16AAAAAL | M-Manila | 80502 | R1 | CY8C20234-12LKXIT | 150 | -65 | 500 | 75 | 0 |
| LG16AAAAAL | M-Manila | 80502 | R1 | CY8C20234-12LKXIT | 150 | -65 | 1000 | 75 | 0 |
| LG16AAAAAL | M-Manila | 80502 | R2 | CY8C20234-12LKXIT | 150 | -65 | 500 | 76 | 0 |
| LG16AAAAAL | M-Manila | 80502 | R2 | CY8C20234-12LKXIT | 150 | -65 | 1000 | 76 | 0 |
| LG16AAAAAL | M-Manila | 80502 | R3 | CY8C20234-12LKXIT | 150 | -65 | 500 | 77 | 0 |
| LG16AAAAAL | M-Manila | 80502 | R3 | CY8C20234-12LKXIT | 150 | -65 | 1000 | 76 | 0 |
| LG16AAAAAL | M-PHILS | MR074031 | R1 | CY8C20234-12LKXIT | 150 | -65 | 500 | 80 | 0 |
| LG16AAAAAL | M-PHILS | MR074031 | R1 | CY8C20234-12LKXIT | 150 | -65 | 1000 | 73 | 0 |
| LG16AAAAAL | M-PHILS | MR081027 | R1 | CY8C20234-12LKXI | 150 | -65 | 500 | 80 | 0 |
| LG16AAAAAL | M-PHILS | MR081027 | R1 | CY8C20234-12LKXI | 150 | -65 | 1000 | 73 | 0 |
| LG16AAAAAL | M-PHILS | MR082028 | R1 | CY8C20234-12LKXI | 150 | -65 | 500 | 80 | 0 |
| LG16AAAAAL | M-PHILS | MR082028 | R1 | CY8C20234-12LKXI | 150 | -65 | 1000 | 80 | 0 |
| LG16AAAAAL | M-PHIL | NR072026 | R4 | CY8C20234-12LXIT | 150 | -65 | 100 | 15 | 0 |
| LG16AAAAAL | M-PHIL | NR072026 | R4 | CY8C20234-12LXIT | 150 | -65 | 300 | 15 | 0 |
| LG16AAAAAL | M-PHIL | NR072026 | R4 | CY8C20234-12LXIT | 150 | -65 | 500 | 15 | 0 |
| LG16AAAAAL | M-PHIL | NR072026 | R4 | CY8C20234-12LXIT | 150 | -65 | 1000 | 15 | 0 |
| LG16AAAAAL | M-PHIL | NR072026 | R5 | CY8C20234-12LXIT | 150 | -65 | 100 | 15 | 0 |
| LG16AAAAAL | M-PHIL | NR072026 | R5 | CY8C20234-12LXIT | 150 | -65 | 300 | 15 | 0 |
| LG16AAAAAL | M-PHIL | NR072026 | R5 | CY8C20234-12LXIT | 150 | -65 | 500 | 15 | 0 |
| LG16AAAAAL | M-PHIL | NR072026 | R5 | CY8C20234-12LXIT | 150 | -65 | 1000 | 15 | 0 |
| LG16AAAAAL | M-PHIL | NR072026 | R6 | CY8C20234-12LXIT | 150 | -65 | 100 | 15 | 0 |

| | | | | | | | | | |
|------------|---------------|----------|----|------------------|-----|-----|------|----|---|
| LG16AAAAAL | M-PHIL | NR072026 | R6 | CY8C20234-12LXIT | 150 | -65 | 300 | 15 | 0 |
| LG16AAAAAL | M-PHIL | NR072026 | R6 | CY8C20234-12LXIT | 150 | -65 | 500 | 15 | 0 |
| LG16AAAAAL | M-PHIL | NR072026 | R6 | CY8C20234-12LXIT | 150 | -65 | 1000 | 15 | 0 |
| LG16AAAAAL | M-PHIL | NR072026 | R7 | CY8C20234-12LXIT | 150 | -65 | 100 | 15 | 0 |
| LG16AAAAAL | M-PHIL | NR072026 | R7 | CY8C20234-12LXIT | 150 | -65 | 300 | 15 | 0 |
| LG16AAAAAL | M-PHIL | NR072026 | R7 | CY8C20234-12LXIT | 150 | -65 | 500 | 15 | 0 |
| LG16AAAAAL | M-PHIL | NR072026 | R7 | CY8C20234-12LXIT | 150 | -65 | 1000 | 15 | 0 |
| LG16AAAAAL | M-PHIL | NR072026 | R8 | CY8C20234-12LXIT | 150 | -65 | 100 | 15 | 0 |
| LG16AAAAAL | M-PHIL | NR072026 | R8 | CY8C20234-12LXIT | 150 | -65 | 300 | 15 | 0 |
| LG16AAAAAL | M-PHIL | NR072026 | R8 | CY8C20234-12LXIT | 150 | -65 | 500 | 15 | 0 |
| LG16AAAAAL | M-PHIL | NR072026 | R8 | CY8C20234-12LXIT | 150 | -65 | 1000 | 15 | 0 |
| LG16AAAAAL | M-PHILIPPINES | NR082004 | R1 | CY8C20234-12LXIT | 150 | -65 | 500 | 77 | 0 |
| LG16AAAAAL | M-PHILIPPINES | NR082004 | R1 | CY8C20234-12LXIT | 150 | -65 | 1000 | 77 | 0 |
| LG16AAAAAL | M-PHILIPPINES | NR082004 | R2 | CY8C20234-12LXIT | 150 | -65 | 500 | 77 | 0 |
| LG16AAAAAL | M-PHILIPPINES | NR082004 | R2 | CY8C20234-12LXIT | 150 | -65 | 1000 | 77 | 0 |

Summary for Package Family : QFN (COL, Saw Type, Pb-free) (42 records)

Sum **1,982** **0**

QFN (0.4mm, Saw Type, Pb-free)

| | | | | | | | | | |
|------------|-------------|-------|----|------------------|-----|-----|------|----|---|
| LN32AAAAAL | CA-Malaysia | 82008 | R1 | CY8C21434-24LCXI | 150 | 150 | 500 | 77 | 0 |
| LN32AAAAAL | CA-Malaysia | 82008 | R1 | CY8C21434-24LCXI | 150 | 150 | 1000 | 75 | 0 |
| LN32AAAAAL | CA-Malaysia | 82008 | R2 | CY821434-24LCXI | 150 | 150 | 500 | 77 | 0 |
| LN32AAAAAL | CA-Malaysia | 82008 | R2 | CY821434-24LCXI | 150 | 150 | 1000 | 77 | 0 |
| LN32AAAAAL | CA-Malaysia | 82008 | R3 | CY821434-24LCXI | 150 | 150 | 500 | 80 | 0 |
| LN32AAAAAL | CA-Malaysia | 82008 | R3 | CY821434-24LCXI | 150 | 150 | 1000 | 79 | 0 |

Summary for Package Family : QFN (COL, 0.6mm, Saw Type, Pb-free) (6 records)

Sum **465** **0**

QFN (Punch Type, Pb-free)

| | | | | | | | | | |
|------------|-------------|----------|-----|------------------|-----|-----|------|----|---|
| LY16AGAGL | L-Seoul | 71003 | R2 | CYV15G0101EQ | 150 | -65 | 500 | 80 | 0 |
| LY16AGAGL | L-Seoul | 71003 | R2 | CYV15G0101EQ | 150 | -65 | 1000 | 80 | 0 |
| LY24BGAGL | Amkor Korea | 72401 | R2 | CY2546C | 150 | -65 | 500 | 80 | 0 |
| LY24BGAGL | L-KOREA | 72401 | R3 | CY2547C | 150 | -65 | 500 | 79 | 0 |
| LY24BGAGL | L-KOREA | 72401 | R3 | CY2547C | 150 | -65 | 1000 | 79 | 0 |
| LY32AAAGR | L - Korea | 80907 | R3 | CY8C21434-24LFXI | 150 | -65 | 500 | 79 | 0 |
| LY32AAAGR | L-KOREA | MR081013 | R1 | CY8C21434-24LFXI | 150 | -65 | 500 | 79 | 0 |
| LY32AAAGR | L-KOREA | MR081013 | R1 | CY8C21434-24LFXI | 150 | -65 | 1000 | 79 | 0 |
| LY32AAAGR | L-KOREA | MR082048 | R1 | CG6672AMT | 150 | -65 | 500 | 80 | 0 |
| LY32AAAGR | L-KOREA | MR082048 | R1 | CG6672AMT | 150 | -65 | 1000 | 80 | 0 |
| LY32AGAGL | L-KOREA | NR072004 | R1 | CP6631AM | 150 | -65 | 500 | 80 | 0 |
| LY32AGAGL | L-KOREA | NR072004 | R1 | CP6631AM | 150 | -65 | 1000 | 80 | 0 |
| LY32AGAGL | L-KOREA | NR072004 | R2 | CP6621AM | 150 | -65 | 500 | 77 | 0 |
| LY32AGAGL | L-KOREA | NR072004 | R2 | CP6621AM | 150 | -65 | 1000 | 77 | 0 |
| LY32AGAGL | L-KOREA | NR072004 | R3 | CS6624AA | 150 | -65 | 500 | 80 | 0 |
| LY32AGAGL | L-KOREA | NR072004 | R3 | CS6624AA | 150 | -65 | 1000 | 80 | 0 |
| LY32BGAGL | RA-CML | 82902 | R1 | CY8C21434-24LTXI | 150 | -65 | 500 | 79 | 0 |
| LY32BGAGL | RA-CML | 82902 | R1 | CY8C21434-24LTXI | 150 | -65 | 1000 | 79 | 0 |
| LY32BGAGL | RA-CML | 82902 | R3 | CY8C21434-24LTXI | 150 | -65 | 500 | 80 | 0 |
| LY32BGAGL | RA-CML | 82902 | R3 | CY8C21434-24LTXI | 150 | -65 | 1000 | 80 | 0 |
| LY56AGAGL | L-KOREA | 70901 | R1 | CY7C65630-56LFXC | 150 | -65 | 1000 | 85 | 0 |
| LY56AGAGL | L-KOREA | 70901 | R2 | CY7C65630-56LFXC | 150 | -65 | 1000 | 85 | 0 |
| LY56AGAGL | L-KOREA | 70901 | R3 | CY7C65630-56LFXC | 150 | -65 | 1000 | 80 | 0 |
| LY56AGAGL | L-KOREA | MR072019 | R1 | CY7C62640A-LFXC | 150 | -65 | 1000 | 72 | 0 |
| LY56AGAGL | L-KOREA | MR073056 | R1 | CY7C65630-56LFCT | 150 | -65 | 1000 | 24 | 0 |
| LY56AGAGL | L-KOREA | MR073056 | R1 | CY7C65630-56LFCT | 150 | -65 | 1000 | 56 | 0 |
| LY56AGAGL | L-KOREA | MR081028 | R1 | CY7C65630-56LFXC | 150 | -65 | 500 | 80 | 0 |
| LY56AGAGL | L-KOREA | MR081028 | R1 | CY7C65630-56LFXC | 150 | -65 | 1000 | 80 | 0 |
| LY56AGAGL | L-KOREA | MR082031 | R1 | CY7C65630-56LFXC | 150 | -65 | 500 | 80 | 0 |
| LY56AGAGL | L-KOREA | MR082031 | R1 | CY7C65630-56LFXC | 150 | -65 | 1000 | 80 | 0 |
| LY56DGAGL | L-KOREA | MR074021 | R1 | CY7C64215-56LFXC | 150 | -65 | 500 | 80 | 0 |
| LY56DGAGL | L-KOREA | MR074021 | R1 | CY7C64215-56LFXC | 150 | -65 | 1000 | 80 | 0 |
| LY68AGABGL | L-KOREA | MR072043 | R1A | CS6656AAT | 150 | -65 | 1000 | 93 | 0 |

| | | | | | | | | | |
|------------|---------|----------|-----|-------------|-----|-----|------|----|---|
| LY68AGABGL | L-KOREA | MR072043 | R1A | CS6656AAT | 150 | -65 | 500 | 93 | 0 |
| LY68AGABGL | L-Seoul | MR072044 | R1 | CS6656AAT | 150 | -65 | 1000 | 99 | 0 |
| LY72AGAGL | L-KOREA | MR072006 | R1 | CY28447LFXC | 150 | -65 | 1000 | 78 | 0 |

Summary for Package Family : QFN (Punch Type, Pb-free) (36 records)

Sum **2,832** **0**

QFN (Punch Type, 0.6mm, Pb-free)

| | | | | | | | | | |
|------------|---------|----------|----|------------------|-----|-----|------|----|---|
| LK321GAGL | RA-CML | MR073063 | R1 | 8C214345AK-RALKI | 150 | -65 | 500 | 77 | 0 |
| LK32AABAGL | L-SEOUL | MR074006 | R1 | CY8C20434-12LKXI | 150 | -65 | 500 | 77 | 0 |
| LK32AABAGL | L-SEOUL | MR074006 | R1 | CY8C20434-12LKXI | 150 | -65 | 1000 | 76 | 0 |
| LK32AABAGL | L-KOREA | MR074043 | R1 | CY8C20434-12LKXI | 150 | -65 | 500 | 80 | 0 |
| LK32AABAGL | L-KOREA | MR081039 | R1 | CY8C20434-12LKXI | 150 | -65 | 500 | 79 | 1 |
| LK32AABAGL | L-KOREA | MR081039 | R1 | CY8C20434-12LKXI | 150 | -65 | 1000 | 69 | 0 |
| LK32AABAGL | L-KOREA | MR082022 | R1 | CY8C20434-12LKXI | -65 | -65 | 500 | 80 | 0 |
| LK32AABAGL | L-KOREA | MR082022 | R1 | CY8C20434-12LKXI | -65 | -65 | 1000 | 80 | 0 |
| LK32AABAGL | L-KOREA | NR072004 | R1 | CY8C20434-12LKXI | 150 | -65 | 500 | 80 | 0 |
| LK32AABAGL | L-KOREA | NR072004 | R1 | CY8C20434-12LKXI | 150 | -65 | 1000 | 80 | 0 |
| LK32AABAGL | L-KOREA | NR072004 | R2 | CY8C20424-12LKXI | -65 | -65 | 1000 | 80 | 0 |
| LK32AABAGL | L-KOREA | NR072004 | R3 | CP6683AM | -65 | -65 | 1000 | 79 | 0 |
| LK32IGAGL | RA-CML | MR072041 | R1 | CS6655AAT | 150 | -65 | 500 | 59 | 0 |
| LK32IGAGL | RA-CML | MR072041 | R1 | CS6655AAT | 150 | -65 | 1000 | 59 | 0 |
| LK32IGAGL | RA-CML | MR074024 | R1 | CP6745AMT | 150 | -65 | 500 | 78 | 0 |
| LK32IGAGL | RA-CML | MR074024 | R1 | CP6745AMT | 150 | -65 | 1000 | 77 | 0 |

MR081039-1T1 Cut wedge

Summary for Package Family : QFN (Punch Type, 0.6mm, Pb-free) (16 records)

Sum **1,210** **1**

QFN (Saw Type, Pb-Free)

| | | | | | | | | | |
|------------|---------------|----------|----|------------------|-----|-----|-------|----|---|
| LT32BAAAGL | CA-MALAYSIA | 74701 | R1 | CY8C21434-24LTXI | 150 | -65 | 500 | 80 | 0 |
| LT32BAAAGL | CA-MALAYSIA | 74701 | R2 | CY8C21434-24LTXI | 150 | -65 | 500 | 80 | 0 |
| LT32BAAAGL | CA-MALAYSIA | 74701 | R3 | CY8C21434-24LTXI | 150 | -65 | 500 | 80 | 0 |
| LT32BAAAGL | CA-MALAYSIA | NR082002 | R1 | CY8C21434-24LTXI | 150 | -65 | 1000H | 77 | 0 |
| LT32BAAAGL | CA-MALAYSIA | NR082002 | R1 | CY8C21434-24LTXI | 150 | -65 | 500H | 77 | 0 |
| LT32BAAAGL | CA-MALAYSIA | NR082002 | R2 | CY8C21434-24LTXI | 150 | -65 | 500 | 77 | 0 |
| LT32BAAAGL | CA-MALAYSIA | NR082002 | R2 | CY8C21434-24LTXI | 150 | -65 | 1000 | 77 | 0 |
| LT32BAAAGL | CA-MALAYSIA | NR082002 | R3 | CY8C21434-24LTXI | 150 | -65 | 500 | 76 | 0 |
| LT32BAAAGL | CA-MALAYSIA | NR082002 | R3 | CY8C21434-24LTXI | 150 | -65 | 1000 | 76 | 0 |
| LT56BAAAGL | AIT-Indonesia | 73701 | R1 | CY7C65640A-LSXC | 150 | -65 | 500 | 77 | 0 |
| LT56BAAAGL | AIT-Indonesia | 73701 | R1 | CY7C65640A-LSXC | 150 | -65 | 1000 | 77 | 0 |
| LT56BAAAGL | AIT-Indonesia | 73701 | R2 | CY7C65640A-LSXC | 150 | -65 | 500 | 76 | 0 |
| LT56BAAAGL | AIT-Indonesia | 73701 | R2 | CY7C65640A-LSXC | 150 | -65 | 1000 | 76 | 0 |
| LT56BAAAGL | AIT-Indonesia | 73701 | R3 | CY7C65640A-LSXC | 150 | -65 | 500 | 77 | 0 |
| LT56BAAAGL | AIT-Indonesia | 73701 | R3 | CY7C65640A-LSXC | 150 | -65 | 1000 | 77 | 0 |
| LT68AAAAGL | AIT-Indonesia | 72603 | R3 | CY8C24994-24LKXI | 150 | -65 | 500 | 77 | 0 |
| LT68AAAAGL | AIT-Indonesia | 72603 | R3 | CY8C24994-24LKXI | 150 | -65 | 1000 | 77 | 0 |

Summary for Package Family : QFN (Saw Type, Pb-free) (17 records)

Sum **1,314** **0**

QFN (Saw Type, 0.6mm, Pb-Free)

| | | | | | | | | | |
|-----------|---------------|----------|----|------------------|-----|-----|------|----|---|
| LQ24ABAAL | AT-IND | MR074008 | R1 | CP6705ATT | 150 | -65 | 500 | 80 | 0 |
| LQ24ABAAL | AT-IND | MR074008 | R1 | CP6705ATT | 150 | -65 | 1000 | 80 | 0 |
| LQ24ABAAL | AIT-INDS | MR081014 | R1 | CY8C20334-12LQXI | 150 | -65 | 500 | 79 | 0 |
| LQ24ABAAL | AIT-INDS | MR081014 | R1 | CY8C20334-12LQXI | 150 | -65 | 1000 | 79 | 0 |
| LQ24ABAAL | AT-INDNS | MR082030 | R1 | CY8C20334-12LQXI | 150 | -65 | 500 | 80 | 0 |
| LQ24ABAAL | AT-INDNS | MR082030 | R1 | CY8C20334-12LQXI | 150 | -65 | 1000 | 80 | 0 |
| LQ24ABAAL | AT-INDONESIA | NR073002 | R1 | CP6705ATT | 150 | -65 | 1000 | 79 | 0 |
| LQ24ABAAL | AT-INDONESIA | NR073002 | R2 | CP6705ATT | 150 | -65 | 1000 | 80 | 0 |
| LQ24ABAAL | AIT-INDONESIA | NR074003 | R1 | CY8C20334-12LQXI | 150 | -65 | 500 | 80 | 0 |
| LQ24ABAAL | AIT-INDONESIA | NR074003 | R1 | CY8C20334-12LQXI | 150 | -65 | 1000 | 79 | 0 |
| LQ24ABAAL | AIT-INDONESIA | NR074003 | R2 | CY8C20334-12LQXI | 150 | -65 | 500 | 80 | 0 |
| LQ24ABAAL | AIT-INDONESIA | NR074003 | R2 | CY8C20334-12LQXI | 150 | -65 | 1000 | 80 | 0 |
| LQ24ABAAL | AIT-INDONESIA | NR074003 | R3 | CP6785AM | 150 | -65 | 500 | 80 | 0 |
| LQ24ABAAL | AIT-INDONESIA | NR074003 | R3 | CP6785AM | 150 | -65 | 1000 | 80 | 0 |
| LQ24ACAAL | AIT-Indonesia | 72103 | R1 | CY7C68003- | 150 | -65 | 500 | 76 | 0 |

| | | | | | | | | | |
|------------|--------------------|-------|----|--------------------------------------|-----|-----|------|----|---|
| LQ24ACAAL | AIT-Indonesia | 72103 | R1 | 24LQXIEST CY7C68003- 24LQXIEST | 150 | -65 | 1000 | 74 | 0 |
| LQ24ACAAL | AIT-Indonesia | 72804 | R1 | CY7C68003- 24LQXIEST | 150 | -65 | 500 | 76 | 0 |
| LQ24ACAAL | AIT-Indonesia | 72804 | R1 | CY7C68003- 24LQXIEST | 150 | -65 | 1000 | 74 | 0 |
| LQ24ACAAL | AIT-Indonesia | 72804 | R2 | CY7C68003- 24LQXIEST | 150 | -65 | 500 | 78 | 0 |
| LQ24ACAAL | AIT-Indonesia | 72804 | R2 | CY7C68003- 24LQXIEST | 150 | -65 | 1000 | 78 | 0 |
| LQ24ACAAL | AIT-Indonesia | 72804 | R3 | CY7C68003-24LQXI | 150 | -65 | 1000 | 79 | 0 |
| LQ24ACALL | AIT-Indonesia | 72804 | R3 | CY7C68003-24LQXI | 150 | -65 | 500 | 79 | 0 |
| LQ32CAAAAL | CARSEM MALAYSIA | 72202 | R1 | CY8C21434A-24LQXI | 150 | -65 | 500 | 77 | 0 |
| LQ32CAAAAL | CARSEM MALAYSIA | 72202 | R1 | CY8C21434A-24LQXI | 150 | -65 | 1000 | 77 | 0 |
| LQ32CAAAAL | CARSEM MALAYSIA | 72202 | R2 | CY8C21434-24LQXI | 150 | -65 | 500 | 77 | 0 |
| LQ32CAAAAL | CARSEM MALAYSIA | 72202 | R2 | CY8C21434-24LQXI | 150 | -65 | 1000 | 77 | 0 |
| LQ32CAAAAL | CARSEM MALAYSIA | 72202 | R3 | CY8C21434-24LQXI | 150 | -65 | 100 | 77 | 0 |
| LQ32CAAAAL | CARSEM MALAYSIA | 72202 | R3 | CY8C21434-24LQXI | 150 | -65 | 300 | 77 | 0 |
| LQ32CAAAAL | CARSEM MALAYSIA | 72202 | R3 | CY8C21434-24LQXI | 150 | -65 | 500 | 77 | 0 |
| LQ32CCAAL | Carsem Malaysia | 72908 | R1 | CY8C21434-24LQXI | 150 | -65 | 1000 | 77 | 0 |
| LQ32CCAAL | Carsem Malaysia | 72908 | R2 | CY8C21434-24LQXI | 150 | -65 | 1000 | 75 | 0 |
| LQ32CCAAL | Carsem Malaysia | 72908 | R3 | CY8C21434-24LQXI | 150 | -65 | 1000 | 77 | 0 |

Summary for Package Family : QFN (Saw Type, 0.6mm, Pb-free) (32 records)

Sum 2,498 0

QSOP (Pb-free)

| | | | | | | | | | |
|-----------|-------|----------|----|----------------|-----|-----|------|----|---|
| SQ2012AGN | R-CML | MR074050 | R1 | CY247450XC | 150 | -65 | 500 | 78 | 0 |
| SQ2414AGN | R-CML | MR072005 | R1 | CY7C63743C-QXC | 150 | -65 | 1000 | 80 | 0 |
| SQ2414AGN | R-CML | MR073054 | R1 | CY7C63823-QXC | 150 | -65 | 500 | 80 | 0 |
| SQ2414AGN | R-CML | MR073054 | R1 | CY7C63823-QXC | 150 | -65 | 1000 | 80 | 0 |
| SQ2414AGN | R-CML | MR081031 | R1 | CY7C63723-QXC | 150 | -65 | 500 | 80 | 0 |
| SQ2414AGN | R-CML | MR081031 | R1 | CY7C63723-QXC | 150 | -65 | 1000 | 79 | 0 |
| SQ2414AGN | R-CML | MR082036 | R1 | CY7C63823-QXC | 150 | -65 | 500 | 73 | 0 |
| SQ2414AGN | R-CML | MR082036 | R1 | CY7C63823-QXC | 150 | -65 | 1000 | 73 | 0 |

Summary for Package Family : QSOP (Pb-free) (8 records)

Sum 623 0

SNC

Summary for Package Family : SNC (0 record)

Sum 0 0

SNC (Pb-free)

| | | | | | | | | | |
|------------|-------|----------|-----|-------------------|-----|-----|------|-----|---|
| SY2831AHN | R-CML | MR074058 | R1 | CY6264-55SNXI | 150 | -65 | 500 | 80 | 0 |
| SY2831AHN | R-CML | MR074058 | R1 | CY6264-55SNXI | 150 | -65 | 1000 | 78 | 0 |
| SY2831BBLN | R-CML | 81203 | R1 | CY62256LL-55SNXI | 150 | 150 | 500 | 112 | 0 |
| SY2831BBLN | R-CML | 81203 | R1 | CY62256LL-55SNXI | 150 | 150 | 1000 | 112 | 0 |
| SY2831BBLN | R-CML | 81203 | R1A | CY62256LL-55SNXI | 150 | 150 | 500 | 112 | 0 |
| SY2831BBLN | R-CML | 81203 | R1A | CY62256LL-55SNXI | 150 | 150 | 1000 | 112 | 0 |
| SY2831BBLN | R-CML | MR081048 | R1 | CY62256NLL-55SNXI | 150 | -65 | 500 | 80 | 0 |
| SY2831BBLN | R-CML | MR081048 | R1 | CY62256NLL-55SNXI | 150 | -65 | 1000 | 80 | 0 |
| SY2831BBLN | R-CML | MR081059 | R1 | CY62256NLL-55SNXI | 150 | -65 | 500 | 80 | 0 |
| SY2831BBLN | R-CML | MR081059 | R1 | CY62256NLL-55SNXI | 150 | -65 | 1000 | 80 | 0 |
| SY2831BBLN | R-CML | MR082037 | R1 | CY62256NLL-70SNXC | -65 | -65 | 500 | 80 | 0 |
| SY2831BBLN | R-CML | MR082037 | R1 | CY62256NLL-70SNXC | -65 | -65 | 1000 | 80 | 0 |
| SY2831BLN | R-CML | MR073014 | R1 | CY62256NLL-70SNXC | 150 | -65 | 500 | 79 | 0 |
| SY2831BLN | R-CML | MR073014 | R1 | CY62256NLL-70SNXC | 150 | -65 | 1000 | 79 | 0 |

Summary for Package Family : SNC (Pb-free) (14 records)

Sum 1,244 0

SOIC

| | | | | | | | | | | | |
|---|----------|-----------|-----|------------------|-----|-----|------|--------------|----------|--------------|-----------|
| S0815BAAGB | O-TAIWAN | MR074054 | R1 | CY2304SI-1T | 150 | -65 | 1000 | 77 | 0 | | |
| S0815KAGB | M-Phils | MR074062 | R1 | CY2302SC-1T | 150 | -65 | 1000 | 79 | 0 | | |
| S0815PAGN | CML-RA | MR081010 | R1 | CY2305SC-1H | 150 | -65 | 500 | 80 | 0 | | |
| S0815PAGN | CML-RA | MR081010 | R1 | CY2305SC-1H | 150 | -65 | 1000 | 80 | 0 | | |
| S1615DAGB | M-PHILS | MR073038 | R1 | CY2292SI-705T | 150 | -65 | 500 | 80 | 0 | | |
| S1615DAGB | M-PHILS | MR073038 | R1 | CY2292SI-705T | 150 | -65 | 1000 | 80 | 0 | | |
| S1615EAGB | M-PHILS | MR082014 | R1 | CY2309SC-1H | 150 | -65 | 500 | 80 | 0 | | |
| S1615EAGB | M-PHILS | MR082014 | R1 | CY2309SC-1H | 150 | -65 | 1000 | 80 | 0 | | |
| S1615KAGN | RA-CML | AR0721029 | R1 | CY2308SC-1T | 150 | -65 | 500 | 19 | 0 | | |
| S1615KAGN | RA-CML | AR0721029 | R1 | CY2308SC-1T | 150 | -65 | 1000 | 19 | 0 | | |
| S1615KAGN | RA-CML | AR0725032 | R1 | CY2309SI-1T | 150 | -65 | 500 | 20 | 0 | | |
| S1615KAGN | RA-CML | AR0725032 | R1 | CY2309SI-1T | 150 | -65 | 1000 | 20 | 0 | | |
| S1615KAGN | RA-CML | MR064055 | R1A | CY2292SL-1K2 | 150 | -65 | 2000 | 48 | 0 | | |
| S1615KAGN | RA-CML | MR064055 | R1A | CY2292SL-1K2 | 150 | -65 | 2500 | 48 | 0 | | |
| S1615KAGN | R-CML | MR073015 | R1 | CY2309NZSC-1H | 150 | -65 | 500 | 80 | 3 | MR073015-1T1 | Die crack |
| S1615KAGN | R-CML | MR073015 | R1 | CY2309NZSC-1H | 150 | -65 | 1000 | 74 | 0 | | |
| S324512LL | R-CML | 63604 | R1 | 7C621483NCC-RSC | 150 | -65 | 300 | 45 | 0 | | |
| S324512LL | R-CML | 63604 | R1 | 7C621483NCC-RSC | 150 | -65 | 1000 | 45 | 0 | | |
| S324512LL | R-CML | 63604 | R2 | 7C621483NCC-RSC | 150 | -65 | 300 | 45 | 0 | | |
| S324512LL | R-CML | 63604 | R2 | 7C621483NCC-RSC | 150 | -65 | 1000 | 45 | 0 | | |
| S324512LL | R-CML | 63604 | R3 | 7C621483NCC-RSC | 150 | -65 | 300 | 45 | 0 | | |
| S324512LL | R-CML | 63604 | R3 | 7C621483NCC-RSC | 150 | -65 | 1000 | 45 | 0 | | |
| S324512LL | R-CML | 63604 | R4 | 7C621483NCC-RSC | 150 | -65 | 300 | 45 | 0 | | |
| S324512LL | R-CML | 63604 | R4 | 7C621483NCC-RSC | 150 | -65 | 1000 | 45 | 0 | | |
| Summary for Package Family : SOIC (24 records) | | | | | | | | | | | |
| Sum | | | | | | | | 1,324 | 3 | | |
| SOIC (Pb-free) | | | | | | | | | | | |
| 20L SOIC | R-CML | 74101 | R1 | CP6168CM | 150 | -65 | 500 | 112 | 0 | | |
| 20L SOIC | R-CML | 74101 | R1A | CP6168CM | 150 | -65 | 500 | 112 | 0 | | |
| 24L SOIC | R-CML | 74101 | R2 | CP6124BM | 150 | -65 | 500 | 112 | 0 | | |
| 24L SOIC | R-CML | 74101 | R2A | CP6124BM | 150 | -65 | 500 | 112 | 0 | | |
| SZ15PAGN | RA-CML | NR081002 | R3 | CY25560SXC | 150 | -65 | 500 | 80 | 0 | | |
| SZ15PAGN | RA-CML | NR081002 | R3 | CY25560SXC | 150 | -65 | 1000 | 80 | 0 | | |
| SZ1615DGN | M-PHILS | MR073039 | R1 | CY2292FXC | 150 | -65 | 500 | 80 | 0 | | |
| SZ1615DGN | M-PHILS | MR073039 | R1 | CY2292FXC | 150 | -65 | 1000 | 80 | 0 | | |
| SZ1615DGN | M-Phils | MR074022 | R1 | CY8C21234-24SXI | 150 | -65 | 500 | 80 | 0 | | |
| SZ1615DGN | M-Phils | MR074022 | R1 | CY8C21234-24SXI | 150 | -65 | 1000 | 80 | 0 | | |
| SZ1615EGN | M-PHIL | MR081005 | R1 | CY2309SXC-1HT | 150 | -65 | 500 | 80 | 0 | | |
| SZ1615EGN | M-PHIL | MR081005 | R1 | CY2309SXC-1HT | 150 | -65 | 1000 | 80 | 0 | | |
| SZ1615EGN | M-PHILS | MR082025 | R1 | CY2309ZSXC-1H | 150 | -65 | 500 | 80 | 0 | | |
| SZ1615EGN | M-PHILS | MR082025 | R1 | CY2309ZSXC-1H | 150 | -65 | 1000 | 80 | 0 | | |
| SZ1615FAL | T-TAIWAN | 71603 | R3A | CYV15G0101EQ-SXC | 150 | -65 | 500 | 77 | 0 | | |
| SZ1615FAL | T-TAIWAN | 71603 | R3A | CYV15G0101EQ-SXC | 150 | -65 | 1000 | 77 | 0 | | |
| SZ1615FAL | T-OSE | MR081049 | R1 | CY2309CSXC-1 | 150 | -65 | 500 | 80 | 0 | | |
| SZ1615FAL | T-OSE | MR081049 | R1 | CY2309CSXC-1 | 150 | -65 | 1000 | 80 | 0 | | |
| SZ1615FAL | T-OSE | MR082016 | R1 | CY8C201A0-SX2I | 150 | -65 | 500 | 80 | 0 | | |
| SZ1615FAL | T-OSE | MR082016 | R1 | CY8C201A0-SX2I | 150 | -65 | 1000 | 80 | 0 | | |
| SZ1615KAGN | RA-CML | MR074039 | R1 | CY2309SC-1 | 150 | -65 | 500 | 80 | 0 | | |
| SZ1615KAGN | RA-CML | MR074039 | R1 | CY2309SC-1 | 150 | -65 | 1000 | 80 | 0 | | |
| SZ1615KGN | RA-CML | AR0708029 | R1 | CY8C21234-24SXI | 150 | -65 | 500 | 12 | 0 | | |
| SZ1615KGN | RA-CML | AR0708029 | R1 | CY8C21234-24SXI | 150 | -65 | 1000 | 12 | 0 | | |
| SZ1615KGN | RA-CML | AR0713030 | R1 | CY7C63803-SXC | 150 | -65 | 1000 | 19 | 0 | | |
| SZ1615KGN | RA-CML | AR0715028 | R1 | CY7C63803-SXC | 150 | -65 | 1000 | 20 | 0 | | |
| SZ1615KGN | RA-CML | AR0721021 | R1 | CY2308SXC-1HT | 150 | -65 | 500 | 17 | 0 | | |
| SZ1615KGN | RA-CML | AR0721021 | R1 | CY2308SXC-1HT | 150 | -65 | 1000 | 17 | 0 | | |
| SZ1615KGN | RA-CML | AR0724019 | R1 | CY2308SXI-1HT | 150 | -65 | 500 | 17 | 0 | | |
| SZ1615KGN | RA-CML | AR0724019 | R1 | CY2308SXI-1HT | 150 | -65 | 1000 | 17 | 0 | | |
| SZ1615KGN | RA-CML | AR0724032 | R1 | CY2308SXC-2T | 150 | -65 | 500 | 20 | 0 | | |
| SZ1615KGN | RA-CML | AR0724032 | R1 | CY2308SXC-2T | 150 | -65 | 1000 | 20 | 0 | | |
| SZ1615KGN | RA-CML | AR0725022 | R1 | CY2309SXC-1HT | 150 | -65 | 500 | 17 | 0 | | |

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|------------|-------------|-----------|-----|------------------|-----|-----|------|----|---|---------------|-----------|
| SZ1615KGN | RA-CML | AR0725022 | R1 | CY2309SXC-1HT | 150 | -65 | 1000 | 17 | 0 | | |
| SZ1615KGN | RA-CML | MR073010 | R1 | CY2309SXC-1HT | 150 | -65 | 500 | 80 | 0 | | |
| SZ1615KGN | RA-CML | MR073010 | R1 | CY2309SXC-1HT | 150 | -65 | 1000 | 80 | 0 | | |
| SZ1615KGN | RA-CML | MR074044 | R1 | CY2309NZSXC-1H | 150 | -65 | 500 | 80 | 0 | | |
| SZ1615KGN | RA-CML | MR074044 | R1 | CY2309NZSXC-1H | 150 | -65 | 1000 | 80 | 0 | | |
| SZ1615KGN | RA-CML | MR082015 | R1 | CY2309SXC-1HT | 150 | -65 | 500 | 80 | 0 | | |
| SZ1615KGN | RA-CML | MR082015 | R1 | CY2309SXC-1HT | 150 | -65 | 1000 | 80 | 0 | | |
| SZ1615KGN | RA-CML | NR072009 | R1 | CY2292SXI-1T1 | 150 | -65 | 500 | 80 | 0 | | |
| SZ1615KGN | RA-CML | NR072009 | R1 | CY2292SXI-1T1 | 150 | -65 | 1000 | 80 | 0 | | |
| SZ1615KGN | RA-CML | NR072009 | R10 | CY2292SXL-877T | 150 | -65 | 500 | 15 | 0 | | |
| SZ1615KGN | RA-CML | NR072009 | R10 | CY2292SXL-877T | 150 | -65 | 1000 | 15 | 0 | | |
| SZ1615KGN | RA-CML | NR072009 | R11 | CY2292FXC | 150 | -65 | 500 | 15 | 0 | | |
| SZ1615KGN | RA-CML | NR072009 | R11 | CY2292FXC | 150 | -65 | 1000 | 15 | 0 | | |
| SZ1615KGN | RA-CML | NR072009 | R12 | CY2292SXC-492T | 150 | -65 | 500 | 15 | 0 | | |
| SZ1615KGN | RA-CML | NR072009 | R12 | CY2292SXC-492T | 150 | -65 | 1000 | 15 | 0 | | |
| SZ1615KGN | RA-CML | NR072009 | R13 | CY2292SXI-1T2T | 150 | -65 | 500 | 15 | 0 | | |
| SZ1615KGN | RA-CML | NR072009 | R13 | CY2292SXI-1T2T | 150 | -65 | 1000 | 15 | 0 | | |
| SZ1615KGN | RA-CML | NR072009 | R2 | CY2292SXL-1X5T | 150 | -65 | 500 | 80 | 0 | | |
| SZ1615KGN | RA-CML | NR072009 | R2 | CY2292SXL-1X5T | 150 | -65 | 1000 | 80 | 0 | | |
| SZ1615KGN | RA-CML | NR072009 | R3 | CY2292SXI-1T1 | 150 | -65 | 500 | 79 | 0 | | |
| SZ1615KGN | RA-CML | NR072009 | R3 | CY2292SXI-1T1 | 150 | -65 | 1000 | 79 | 0 | | |
| SZ1615KGN | RA-CML | NR072009 | R4 | CY2292SXL-1V6T | 150 | -65 | 1000 | 15 | 0 | | |
| SZ1615KGN | RA-CML | NR072009 | R5 | CY2292SXL-1X5T | 150 | -65 | 1000 | 15 | 0 | | |
| SZ1615KGN | RA-CML | NR072009 | R6 | CY2292SXI-1T1T | 150 | -65 | 1000 | 15 | 0 | | |
| SZ1615KGN | RA-CML | NR072009 | R9 | CY2292SXL-1X5 | 150 | -65 | 500 | 15 | 0 | | |
| SZ1615KGN | RA-CML | NR072009 | R9 | CY2292SXL-1X5 | 150 | -65 | 1000 | 15 | 0 | | |
| SZ1615NAGN | CA-MALAYSIA | 82203 | R1 | CY8C20180-SX2I | 150 | -65 | 500 | 80 | 0 | | |
| SZ1615NAGN | CA-MALAYSIA | 82203 | R1 | CY8C20180-SX2I | 150 | -65 | 1000 | 80 | 0 | | |
| SZ1615NAGN | CA-MALAYSIA | 82203 | R2 | CY8C20180-SX2I | 150 | -65 | 500 | 80 | 0 | | |
| SZ1615NAGN | CA-MALAYSIA | 82203 | R2 | CY8C20180-SX2I | 150 | -65 | 1000 | 80 | 0 | | |
| SZ1615NAGN | CA-MALAYSIA | 82203 | R3 | CY8C20180-SX2I | 150 | -65 | 500 | 80 | 0 | | |
| SZ1615NAGN | CA-MALAYSIA | 82203 | R3 | CY8C20180-SX2I | 150 | -65 | 1000 | 80 | 0 | | |
| SZ1615NAGN | CA-MALAYSIA | 82203 | R3 | CY8C20180-SX2I | 150 | -65 | 1000 | 80 | 0 | | |
| SZ1815CGAN | M-PHILS | MR082023 | R1 | CY8C24123A-24SXI | 150 | -65 | 500 | 80 | 0 | | |
| SZ1815CGAN | M-PHILS | MR082023 | R1 | CY8C24123A-24SXI | 150 | -65 | 1000 | 80 | 0 | | |
| SZ183AGAN | M-PHIL | MR072028 | R1 | CY7C63723-SXC | 150 | -65 | 1000 | 80 | 0 | | |
| SZ183CGAN | RA-CML | AR0816007 | R1 | CY7C63723C-SXC | 150 | -65 | 500 | 17 | 0 | | |
| SZ183CGAN | RA-CML | AR0816007 | R1 | CY7C63723C-SXC | 150 | -65 | 1000 | 16 | 0 | | |
| SZ183CGAN | RA-CML | AR0816013 | R1 | CY7C63723C-SXC | 150 | -65 | 500 | 20 | 1 | AR0816013-1T1 | Cut wedge |
| SZ183CGAN | RA-CML | AR0816019 | R1 | CY7C63723C-SXC | 150 | -65 | 500 | 20 | 0 | | |
| SZ183CGAN | RA-CML | AR0816019 | R1 | CY7C63723C-SXC | 150 | -65 | 1000 | 20 | 0 | | |
| SZ183CGAN | RA-CML | AR0817007 | R1 | CY7C63723C-SXC | 150 | -65 | 500 | 17 | 0 | | |
| SZ183CGAN | RA-CML | AR0817007 | R1 | CY7C63723C-SXC | 150 | -65 | 1000 | 11 | 0 | | |
| SZ183CGAN | RA-CML | AR0817014 | R1 | CY7C63723C-SXC | 150 | -65 | 500 | 20 | 3 | AR0817014-1T1 | Cut wedge |
| SZ183CGAN | RA-CML | AR0817020 | R1 | CY7C63723C-SXC | 150 | -65 | 500 | 20 | 0 | | |
| SZ183CGAN | RA-CML | AR0817020 | R1 | CY7C63723C-SXC | 150 | -65 | 1000 | 17 | 0 | | |
| SZ183CGAN | RA-CML | AR0818007 | R1 | CY7C63723C-SXC | 150 | -65 | 500 | 13 | 1 | AR0818007-1T1 | Cut wedge |
| SZ183CGAN | RA-CML | AR0819014 | R1 | CY7C63723C-SXC | 150 | -65 | 500 | 16 | 1 | AR0819014-1T1 | Cut wedge |
| SZ183CGAN | RA-CML | MR072026 | R1 | CY7C63723-SXC | 150 | -65 | 1000 | 80 | 0 | | |
| SZ183CGAN | RA-CML | MR073013 | R1 | CY7C63723-SXC | 150 | -65 | 500 | 80 | 0 | | |
| SZ183CGAN | RA-CML | MR073013 | R1 | CY7C63723-SXC | 150 | -65 | 1000 | 80 | 0 | | |
| SZ183CGAN | RA-CML | MR074002 | R1 | CY7C63723C | 150 | -65 | 500 | 80 | 0 | | |
| SZ183CGAN | RA-CML | MR074002 | R1 | CY7C63723C | 150 | -65 | 1000 | 78 | 0 | | |
| SZ183CGAN | RA-CML | MR082012 | R1 | CY7C63723C-SXC | 150 | -65 | 500 | 80 | 0 | | |
| SZ183CGAN | RA-CML | MR082012 | R1 | CY7C63723C-SXC | 150 | -65 | 1000 | 80 | 0 | | |
| SZ2032GAN | R-CML | MR081012 | R1 | CY2291FX | 150 | -65 | 500 | 80 | 0 | | |
| SZ2032GAN | R-CML | MR081012 | R1 | CY2291FX | 150 | -65 | 1000 | 80 | 0 | | |
| SZ2035GAL | R-CML | MR072009 | R1 | CY8C24223A-24SXI | 150 | -65 | 1000 | 79 | 0 | | |
| SZ24312BGN | R-CML | MR082057 | R1 | CY7C63743C-SXC | 150 | -65 | 500 | 80 | 0 | | |
| SZ24312BGN | R-CML | MR082057 | R1 | CY7C63743C-SXC | 150 | -65 | 1000 | 80 | 0 | | |

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|------------|------------|-----------|----|---------------------|-----|-----|------|----|---|
| SZ24312GN | R-CML | MR074040 | R1 | CS6575AA | 150 | -65 | 500 | 80 | 0 |
| SZ24312GN | R-CML | MR074040 | R1 | CS6575AA | 150 | -65 | 1000 | 80 | 0 |
| SZ28327BGL | R-CML | MR082006 | R1 | CY8C27443-24SXI | 150 | -65 | 500 | 80 | 0 |
| SZ28327BGL | R-CML | MR082006 | R1 | CY8C27443-24SXI | 150 | -65 | 1000 | 79 | 0 |
| SZ32 | R-CML | AR0715007 | R1 | CY7C53120E2-10SXI | 150 | -65 | 1000 | 17 | 0 |
| SZ32157BLN | R-CML | MR081006 | R1 | CG6707AM | 150 | -65 | 500 | 80 | 0 |
| SZ32157BLN | R-CML | MR081006 | R1 | CG6707AM | 150 | -65 | 1000 | 80 | 0 |
| SZ324513BN | R-CML | AR0816001 | R1 | CY7C53120E2-10SXI | 150 | -65 | 500 | 17 | 0 |
| SZ324513BN | R-CML | AR0816001 | R1 | CY7C53120E2-10SXI | 150 | -65 | 1000 | 17 | 0 |
| SZ324513LN | RA-CML | AR0719007 | R1 | CY62128BNLL-70SXI | 150 | -65 | 1000 | 16 | 0 |
| SZ324513LN | R-CML | MR073007 | R1 | CY62128BNLL-70SXIT | 150 | -65 | 500 | 80 | 0 |
| SZ324513LN | R-CML | MR073007 | R1 | CY62128BNLL-70SXIT | 150 | -65 | 1000 | 80 | 0 |
| SZ324513N | R-CML | AR0724011 | R1 | CY7C53120E2-10SXI | 125 | -65 | 500 | 16 | 0 |
| SZ324513N | R-CML | AR0724011 | R1 | CY7C53120E2-10SXI | 125 | -65 | 1000 | 16 | 0 |
| SZ324513N | R-CML | AR0748004 | R1 | CP5789EM | 150 | -65 | 1000 | 16 | 0 |
| SZ324516BL | R-CML | 81207 | R1 | CY62148DV30LL-50SXI | 150 | -65 | 500 | 96 | 0 |
| SZ324516BL | R-CML | 81207 | R1 | CY62148DV30LL-50SXI | 150 | -65 | 1000 | 96 | 0 |
| SZ324516LL | R-CML | MR082005 | R1 | CY62148ELL-55SXI | 150 | -65 | 500 | 78 | 0 |
| SZ324516LL | R-CML | MR082005 | R1 | CY62148ELL-55SXI | 150 | -65 | 1000 | 78 | 0 |
| SZ32457BLN | R-CML | AR0808005 | R1 | CY62128ELL-45SXI | 150 | -65 | 1000 | 17 | 0 |
| SZ32457LN | R-CML | AR0714010 | R1 | CY62128ELL-45SXI | 150 | -65 | 1000 | 11 | 0 |
| SZ32457LN | RA-CML | AR0717011 | R1 | CY62128ELL-45SXIT | 150 | -65 | 1000 | 17 | 0 |
| SZ32457LN | R-CML | MR072007 | R1 | CY62128ELL-45SXI | 150 | -65 | 1000 | 80 | 0 |
| SZ32457LN | R-CML | MR074005 | R1 | CG6707AM | 150 | -65 | 500 | 78 | 0 |
| SZ32457LN | R-CML | MR074005 | R1 | CG6707AM | 150 | -65 | 1000 | 78 | 0 |
| SZ815CGAN | M - Manila | 80803 | R1 | CY2305CSXI-1H | 150 | -65 | 500 | 85 | 0 |
| SZ815CGAN | M - Manila | 80803 | R1 | CY2305CSXI-1H | 150 | -65 | 1000 | 75 | 0 |
| SZ815CGAN | M - Manila | 80803 | R2 | CY2305CSXI-1H | 150 | -65 | 500 | 80 | 0 |
| SZ815CGAN | M - Manila | 80803 | R2 | CY2305CSXI-1H | 150 | -65 | 1000 | 80 | 0 |
| SZ815CGAN | M - Manila | 80803 | R3 | CY2305CSXI-1H | 150 | -65 | 500 | 80 | 0 |
| SZ815CGAN | M - Manila | 80803 | R3 | CY2305CSXI-1H | 150 | -65 | 1000 | 80 | 0 |
| SZ815CGAN | M-PHILS | MR074023 | R1 | CY8C24123A-24SXIT | 150 | -65 | 500 | 79 | 0 |
| SZ815CGAN | M-PHILS | MR074023 | R1 | CY8C24123A-24SXIT | 150 | -65 | 1000 | 79 | 0 |
| SZ815PAGN | RA-CML | AR0718034 | R1 | CY25560SXCT | 150 | -65 | 1000 | 11 | 0 |
| SZ815PAGN | RA-CML | AR0718040 | R1 | CY25560SXC | 150 | -65 | 1000 | 25 | 0 |
| SZ815PAGN | R-CML | AR0719019 | R1 | CY25560SXCT | 150 | -65 | 500 | 17 | 0 |
| SZ815PAGN | R-CML | AR0719019 | R1 | CY25560SXCT | 150 | -65 | 1000 | 17 | 0 |
| SZ815PAGN | R-CML | AR0719024 | R1 | CY241V8ASXC-11T | 150 | -65 | 500 | 16 | 0 |
| SZ815PAGN | R-CML | AR0719024 | R1 | CY241V8ASXC-11T | 150 | -65 | 1000 | 16 | 0 |
| SZ815PAGN | RA-CML | AR0720025 | R1 | CY25811SXCT | 150 | -65 | 500 | 17 | 0 |
| SZ815PAGN | RA-CML | AR0720025 | R1 | CY25811SXCT | 150 | -65 | 1000 | 17 | 0 |
| SZ815PAGN | RA-CML | AR0720031 | R1 | 7C80722AT-RASZI | 150 | -65 | 500 | 20 | 0 |
| SZ815PAGN | RA-CML | AR0720031 | R1 | 7C80722AT-RASZI | 150 | -65 | 1000 | 20 | 0 |
| SZ815PAGN | RA-CML | AR0721019 | R1 | CY2071AFXC | 150 | -65 | 500 | 17 | 0 |
| SZ815PAGN | RA-CML | AR0721019 | R1 | CY2071AFXC | 150 | -65 | 1000 | 17 | 0 |
| SZ815PAGN | RA-CML | AR0721031 | R1 | CY2305SXC-1T | 150 | -65 | 500 | 20 | 0 |
| SZ815PAGN | RA-CML | AR0721031 | R1 | CY2305SXC-1T | 150 | -65 | 1000 | 20 | 0 |
| SZ815PAGN | RA-CML | AR0722022 | R1 | CY241V8ASXC-13T | 150 | -65 | 500 | 17 | 0 |
| SZ815PAGN | RA-CML | AR0722022 | R1 | CY241V8ASXC-13T | 150 | -65 | 1000 | 17 | 0 |
| SZ815PAGN | RA-CML | AR0722027 | R1 | CY2305SXC-1T | 150 | -65 | 500 | 19 | 0 |
| SZ815PAGN | RA-CML | AR0722027 | R1 | CY2305SXC-1T | 150 | -65 | 1000 | 19 | 0 |
| SZ815PAGN | RA-CML | AR0724018 | R1 | CY25814SXCT | 150 | -65 | 500 | 17 | 0 |
| SZ815PAGN | RA-CML | AR0724018 | R1 | CY25814SXCT | 150 | -65 | 1000 | 17 | 0 |
| SZ815PAGN | RA-CML | AR0724029 | R1 | CY25814SXCT | 150 | -65 | 500 | 20 | 0 |
| SZ815PAGN | RA-CML | AR0724029 | R1 | CY25814SXCT | 150 | -65 | 1000 | 20 | 0 |
| SZ815PAGN | RA-CML | AR0725024 | R1 | CY2305SXC-1 | 150 | -65 | 500 | 17 | 0 |
| SZ815PAGN | RA-CML | AR0725024 | R1 | CY2305SXC-1 | 150 | -65 | 1000 | 17 | 0 |
| SZ815PAGN | RA-CML | AR0725031 | R1 | CY25560SXCT | 150 | -65 | 500 | 20 | 0 |
| SZ815PAGN | RA-CML | AR0725031 | R1 | CY25560SXCT | 150 | -65 | 1000 | 20 | 0 |
| SZ815PAGN | RA-CML | AR0728024 | R1 | CY25560SXCT | 150 | -65 | 500 | 17 | 0 |

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|-----------|--------|-----------|-----|--------------|-----|-----|------|----|---|
| SZ815PAGN | RA-CML | AR0728024 | R1 | CY25560SXCT | 150 | -65 | 1000 | 17 | 0 |
| SZ815PAGN | RA-CML | AR0747009 | R1 | CY25560SXCT | 150 | -65 | 1000 | 17 | 0 |
| SZ815PAGN | RA-CML | AR0810016 | R1 | CY25814SXCT | 150 | -65 | 500 | 20 | 0 |
| SZ815PAGN | RA-CML | AR0810016 | R1 | CY25814SXCT | 150 | -65 | 1000 | 19 | 0 |
| SZ815PAGN | RA-CML | MR081034 | R1 | CY2305SXC-1H | 150 | -65 | 500 | 80 | 0 |
| SZ815PAGN | RA-CML | MR081034 | R1 | CY2305SXC-1H | 150 | -65 | 1000 | 80 | 0 |
| SZ815PAGN | RA-CML | NR081002 | R1 | CY25560SXIT | 150 | -65 | 500 | 80 | 0 |
| SZ815PAGN | RA-CML | NR081002 | R1 | CY25560SXIT | 150 | -65 | 1000 | 80 | 0 |
| SZ815PAGN | RA-CML | NR081002 | R10 | CY25560SXIT | 150 | -65 | 500 | 15 | 0 |
| SZ815PAGN | RA-CML | NR081002 | R10 | CY25560SXIT | 150 | -65 | 1000 | 15 | 0 |
| SZ815PAGN | RA-CML | NR081002 | R12 | CY25560SXCT | 150 | -65 | 500 | 15 | 0 |
| SZ815PAGN | RA-CML | NR081002 | R12 | CY25560SXCT | 150 | -65 | 1000 | 15 | 0 |
| SZ815PAGN | RA-CML | NR081002 | R13 | CY25560SXC | 150 | -65 | 1000 | 15 | 0 |
| SZ815PAGN | RA-CML | NR081002 | R2 | CY25560SXC | 150 | -65 | 500 | 80 | 0 |
| SZ815PAGN | RA-CML | NR081002 | R2 | CY25560SXC | 150 | -65 | 1000 | 80 | 0 |
| SZ815PAGN | RA-CML | NR081002 | R4 | CY25560SXCT | 150 | -65 | 500 | 15 | 0 |
| SZ815PAGN | RA-CML | NR081002 | R4 | CY25560SXCT | 150 | -65 | 1000 | 15 | 0 |
| SZ815PAGN | RA-CML | NR081002 | R5 | CY25560SXCT | 150 | -65 | 500 | 15 | 0 |
| SZ815PAGN | RA-CML | NR081002 | R5 | CY25560SXCT | 150 | -65 | 1000 | 15 | 0 |
| SZ815PAGN | RA-CML | NR081002 | R6 | CY25560SXCT | 150 | -65 | 500 | 15 | 0 |
| SZ815PAGN | RA-CML | NR081002 | R6 | CY25560SXCT | 150 | -65 | 1000 | 15 | 0 |
| SZ815PAGN | RA-CML | NR081002 | R7 | CY25560SXCT | 150 | -65 | 500 | 15 | 0 |
| SZ815PAGN | RA-CML | NR081002 | R7 | CY25560SXCT | 150 | -65 | 1000 | 15 | 0 |

Summary for Package Family : SOIC (Pb-free) (176 records)

Sum 8,455 6

SSOP

Summary for Package Family : SSOP (0 record)

Sum 0 0

SSOP (Pb-free)

| | | | | | | | | | |
|------------|----------|-----------|-----|---------------------|-----|-----|-------|----|---|
| 20L SSOP | RA-CML | 73103 | R2A | CY7C64215 | 150 | -65 | 1000 | 45 | 0 |
| 20L SSOP | RA-CML | 73103 | R2B | CY7C64215 | 150 | -65 | 1000 | 61 | 0 |
| 20L SSOP | RA-CML | 73103 | R2C | CY7C64215 | 150 | -65 | 1000 | 70 | 0 |
| 20L SSOP | RA-CML | 73103 | R2D | CY7C64215 | 150 | -65 | 1000 | 40 | 0 |
| SP2023GAL | T-TAIWAN | MR073029 | R1 | CY8C24223BC-24PVXIT | 150 | -65 | 500 | 80 | 0 |
| SP2023GAL | T-TAIWAN | MR073029 | R1 | CY8C24223BC-24PVXIT | 150 | -65 | 1000 | 80 | 0 |
| SP2029AAGL | RA-CML | MR074018 | R1 | CY8C21334-24PVXIT | 150 | -65 | 500 | 80 | 0 |
| SP2029AAGL | RA-CML | MR074018 | R1 | CY8C21334-24PVXIT | 150 | -65 | 1000 | 80 | 0 |
| SP2029AAGL | RA-CML | MR081064 | R1 | CY8C21334-24PVXI | 150 | -65 | 500 | 80 | 0 |
| SP2029AAGL | RA-CML | MR081064 | R1 | CY8C21334-24PVXI | 150 | -65 | 1000 | 80 | 0 |
| SP2029AAGL | RA-CML | NR064003 | R10 | 8C21334AC-RASPI | 150 | -65 | 1000 | 15 | 0 |
| SP2029AAGL | RA-CML | NR064003 | R11 | 8C21334AC-RASPI | 150 | -65 | 1000 | 15 | 0 |
| SP2029AAGL | RA-CML | NR064003 | R7 | CY8C21334-24PVXIT | 150 | -65 | 1000 | 15 | 0 |
| SP2029AAGL | RA-CML | NR064003 | R8 | 8C21334AC-RASPI | 150 | -65 | 1000 | 15 | 0 |
| SP2029AAGL | RA-CML | NR064003 | R9 | 8C21334AC-RASPI | 150 | -65 | 1000 | 15 | 0 |
| SP2029AAGL | RA-CML | NR081003 | R1 | CP6458MT | 150 | -65 | 500 | 77 | 0 |
| SP2029AAGL | RA-CML | NR081003 | R1 | CP6458MT | 150 | -65 | 1000 | 77 | 0 |
| SP2029AAGL | RA-CML | NR081003 | R2 | CP6458BMT | 150 | -65 | 500 | 79 | 0 |
| SP2029AAGL | RA-CML | NR081003 | R2 | 8C21334AC-RASPI | 150 | -65 | 1000 | 79 | 0 |
| SP2029AAGL | RA-CML | NR081003 | R3 | CP6458BMT | 150 | -65 | 500 | 78 | 0 |
| SP2029AAGL | RA-CML | NR081003 | R3 | CP6458BMT | 150 | -65 | 1000 | 78 | 0 |
| SP2029AAGL | RA-CML | NR081003 | R4 | 8C213345AK-RASPI | 150 | -65 | 500 | 15 | 0 |
| SP2029AAGL | RA-CML | NR081003 | R4 | 8C213345AK-RASPI | 150 | -65 | 100 | 15 | 0 |
| SP2029AAGL | RA-CML | NR081003 | R5 | 8C21334AC-RASPI | 150 | -65 | 500 | 9 | 0 |
| SP2029AAGL | RA-CML | NR081003 | R5 | 8C21334AC-RASPI | 150 | -65 | 1000 | 9 | 0 |
| SP2029AAGL | RA-CML | NR081003 | R5 | 8C21334AC-RASPI | 150 | -65 | 500 | 9 | 0 |
| SP2029AAGL | RA-CML | NR081003 | R6 | 8C213345AK-RASPI | 150 | -65 | 500 | 15 | 0 |
| SP2029AAGN | RA-CML | NR081003 | R7 | 8C21334AC-RASPI | 150 | -65 | 1000H | 15 | 0 |
| SP202AAAGN | RA-CML | AR0811006 | R1 | CY8C24223A-24PVXI | 150 | -65 | 500 | 17 | 0 |
| SP202AAAGN | RA-CML | AR0811006 | R1 | CY8C24223A-24PVXI | 150 | -65 | 1000 | 17 | 0 |
| SP202AAAGN | RA-CML | AR0813017 | R1 | CY8C27243-24PVXIT | 150 | -65 | 500 | 20 | 0 |

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|------------|------------|-----------|-----|-------------------|-----|-----|------|-----|---|
| SP202AAAGN | RA-CML | AR0813017 | R1 | CY8C27243-24PVXIT | 150 | -65 | 1000 | 20 | 0 |
| SP202AAAGN | RA-CML | MR082007 | R1 | CP6650AMT | 150 | -65 | 500 | 80 | 0 |
| SP202AAAGN | RA-CML | MR082007 | R1 | CP6650AMT | 150 | -65 | 1000 | 80 | 0 |
| SP28 | RA-CML | NR064003 | R6 | CY8C29466-24PVXI | 150 | -65 | 1000 | 15 | 0 |
| SP28214GL | T-TAIWAN | MR072004 | R1 | CY8C24423A-24PVXI | 150 | -65 | 1000 | 76 | 0 |
| SP28214GL | T-TAIWAN | MR074051 | R1 | CY8C24423A-24PVXI | 150 | -65 | 500 | 80 | 0 |
| SP28214GL | T-OSE | MR081009 | R1 | CY8C24494-24PVXI | 150 | -65 | 500 | 79 | 0 |
| SP28214GL | T-OSE | MR081009 | R1 | CY8C24494-24PVXI | 150 | -65 | 1000 | 79 | 0 |
| SP28214GL | T-OSE | MR082013 | R1 | CY8C26443-24PVX | 150 | -65 | 500 | 80 | 0 |
| SP28214GL | T-OSE | MR082013 | R1 | CY8C26443-24PVX | 150 | -65 | 1000 | 80 | 0 |
| SP28215GCL | RA-CML | 73103 | R1A | CY7C64215 | 150 | -65 | 1000 | 77 | 0 |
| SP28215GCL | RA-CML | 73103 | R1B | CY7C64215 | 150 | -65 | 1000 | 77 | 0 |
| SP28215GCL | RA-CML | 73103 | R1C | CY7C64215 | 150 | -65 | 1000 | 77 | 0 |
| SP28215GCL | RA-CML | 73103 | R1D | CY7C64215 | 150 | -65 | 1000 | 77 | 0 |
| SP28215GCL | RA-CML | 73103 | R3A | CY7C64215 | 150 | -65 | 1000 | 77 | 0 |
| SP28215GCL | RA-CML | 73103 | R3B | CY7C64215 | 150 | -65 | 1000 | 75 | 0 |
| SP28215GCL | RA-CML | 73103 | R3C | CY7C64215 | 150 | -65 | 1000 | 45 | 0 |
| SP28215GCL | RA-CML | 73103 | R3D | CY7C64215 | 150 | -65 | 1000 | 75 | 0 |
| SP28215GGL | RA-CML | AR0721012 | R1 | CY8C24423A-24PVXI | 150 | -65 | 500 | 17 | 0 |
| SP28215GGL | RA-CML | AR0721012 | R1 | CY8C24423A-24PVXI | 150 | -65 | 1000 | 17 | 0 |
| SP28215GGL | RA-CML | AR0725029 | R1 | CY8C24423A-24PVXI | 150 | -65 | 500 | 20 | 0 |
| SP28215GGL | RA-CML | AR0725029 | R1 | CY8C24423A-24PVXI | 150 | -65 | 1000 | 20 | 0 |
| SP28215GGL | RA-CML | AR0727041 | R1 | CY8C27443-24PVXI | 150 | -65 | 1000 | 20 | 0 |
| SP28215GGL | RA-CML | AR0805011 | R1 | CY7C60323-PVXC | 150 | -65 | 500 | 17 | 0 |
| SP28215GGL | RA-CML | AR0805011 | R1 | CY7C60323-PVXC | 150 | -65 | 1000 | 17 | 0 |
| SP28215GGL | RA-CML | AR0806021 | R1 | CY8C21534-24PVXIT | 150 | -65 | 1000 | 20 | 0 |
| SP28215GGL | RA-CML | AR0810010 | R1 | CY8C21534-24PVXIT | 150 | -65 | 500 | 13 | 0 |
| SP28215GGL | RA-CML | AR0810010 | R1 | CY8C21534-24PVXIT | 150 | -65 | 1000 | 12 | 0 |
| SP28215GGL | RA-CML | AR0810014 | R1 | CY7C64215-28PVXC | 150 | -65 | 500 | 20 | 0 |
| SP28215GGL | RA-CML | AR0810014 | R1 | CY7C64215-28PVXC | 150 | -65 | 1000 | 20 | 0 |
| SP28215GGL | RA-CML | AR0815012 | R1 | CY8C27443-24PVXI | 150 | -65 | 500 | 17 | 0 |
| SP28215GGL | RA-CML | AR0815012 | R1 | CY8C27443-24PVXI | 150 | -65 | 800 | 17 | 0 |
| SP28215GGL | RA-CML | AR0815012 | R1 | CY8C27443-24PVXI | 150 | -65 | 1000 | 17 | 0 |
| SP28215GGL | RA-CML | MR072021 | R1 | CY8C1534-24PVXIT | 150 | -65 | 1000 | 80 | 0 |
| SP28215GGL | RA-CML | MR073021 | R1 | CY8C27443-24PVXI | 150 | -65 | 500 | 80 | 0 |
| SP28215GGL | RA-CML | MR073021 | R1 | CY8C27443-24PVXI | 150 | -65 | 1000 | 80 | 0 |
| SP28215GGL | RA-CML | MR081016 | R1 | CY8C21534-24PVXI | 150 | -65 | 500 | 123 | 0 |
| SP28215GGL | RA-CML | MR081016 | R1 | CY8C21534-24PVXI | 150 | -65 | 1000 | 123 | 0 |
| SP28215GGL | RA-CML | MR071070 | R1 | CY8C21534-24PVXIT | 150 | -65 | 1000 | 97 | 0 |
| SP2821AGB | M - Manila | 74908 | R2 | CY8C21534 | 150 | -65 | 500 | 77 | 0 |
| SP2821AGB | M - Manila | 74908 | R2 | CY8C21534 | 150 | -65 | 1000 | 77 | 0 |
| SP2821AGB | M-PHIL | NR072013 | R1 | CY8C21534-24PVXI | 150 | -65 | 500 | 76 | 0 |
| SP2821AGB | M-PHIL | NR072013 | R1 | CY8C21534-24PVXI | 150 | -65 | 1000 | 76 | 0 |
| SP2821AGB | M-PHIL | NR072013 | R2 | CY60323-PVXC | 150 | -65 | 500 | 15 | 0 |
| SP2821AGB | M-PHIL | NR072013 | R2 | CY60323-PVXC | 150 | -65 | 500 | 40 | 0 |
| SP2821AGB | M-PHIL | NR072013 | R2 | CY60323-PVXC | 150 | -65 | 1000 | 15 | 0 |
| SP2821AGB | M-PHIL | NR072013 | R2 | CY60323-PVXC | 150 | -65 | 1000 | 40 | 0 |
| SP2821AGB | M-PHIL | NR072013 | R5 | CY7C60323-PVXC | 150 | -65 | 1000 | 80 | 0 |
| SP2821AGB | M-PHIL | NR072013 | R6 | CY8C21534-24PVXI | 150 | -65 | 500 | 15 | 0 |
| SP2821AGB | M-PHIL | NR072013 | R6 | CY8C21534-24PVXI | 150 | -65 | 1000 | 15 | 0 |
| SP2821AGB | M-PHIL | NR072013 | R7 | CY8C21534-24PVXI | 150 | -65 | 500 | 15 | 0 |
| SP2821AGB | M-PHIL | NR072013 | R7 | CY8C21534-24PVXI | 150 | -65 | 1000 | 15 | 0 |
| SP2821AGB | M-PHIL | NR072013 | R8 | CY8C21534-24PVXI | 150 | -65 | 500 | 15 | 0 |
| SP2821AGB | M-PHIL | NR072013 | R8 | CY8C21534-24PVXI | 150 | -65 | 1000 | 15 | 0 |
| SP2821GGL | RA-CML | AR0726024 | R1 | CY8C24423A-24PVXI | 150 | -65 | 500 | 17 | 0 |
| SP2821GGL | RA-CML | AR0726024 | R1 | CY8C24423A-24PVXI | 150 | -65 | 1000 | 17 | 0 |
| SP2822BGL | M-PHILS | MR081043 | R1 | CY8C21534-24PVXAT | 150 | -65 | 500 | 77 | 0 |
| SP2822BGL | M-PHILS | MR081043 | R1 | CY8C21534-24PVXAT | 150 | -65 | 1000 | 77 | 0 |
| SP2822BGL | M-PHILS | MR082038 | R1 | CY8C24423A-12PVXE | 150 | -65 | 500 | 80 | 0 |
| SP2822BGL | M-PHILS | MR082038 | R1 | CY8C24423A-12PVXE | 150 | -65 | 1000 | 80 | 0 |



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|------------|---------------|-----------|-----|-------------------|-----|-----|-------|----|---|
| SP2822BGL | M-PHILS | MR083008 | R1 | CY8C21534-12PVXET | 150 | -65 | | 80 | 0 |
| SP2822BGL | M-PHIL | NR071001 | R10 | CP6659AM | 150 | -65 | 500 | 14 | 0 |
| SP2822BGL | M-PHIL | NR071001 | R10 | CP6659AM | 150 | -65 | 1000 | 14 | 0 |
| SP2822BGL | M-PHIL | NR071001 | R11 | CP6659AM | 150 | -65 | 500 | 14 | 0 |
| SP2822BGL | M-PHIL | NR071001 | R11 | CP6659AM | 150 | -65 | 1000 | 14 | 0 |
| SP2822BGL | M-PHIL | NR071001 | R12 | CP6659AMT | 150 | -65 | 500 | 14 | 0 |
| SP2822BGL | M-PHIL | NR071001 | R12 | CP6659AMT | 150 | -65 | 1000 | 14 | 0 |
| SP2822BGL | M-PHIL | NR071001 | R2A | CP6659AM | 150 | -65 | 500 | 79 | 0 |
| SP2822BGL | M-PHIL | NR071001 | R2A | CP6659AM | 150 | -65 | 1000 | 79 | 0 |
| SP2822BGL | M-PHIL | NR071001 | R3 | CP6659AMT | 150 | -65 | 500 | 80 | 0 |
| SP2822BGL | M-PHIL | NR071001 | R3 | CP6659AMT | 150 | -65 | 1000 | 80 | 0 |
| SP2822BGL | M-PHIL | NR071001 | R7 | CY8C24423A-12PVXE | 150 | -65 | 500 | 15 | 0 |
| SP2822BGL | M-PHIL | NR071001 | R7 | CY8C24423A-12PVXE | 150 | -65 | 1000 | 15 | 0 |
| SP2822BGL | M-PHIL | NR071001 | R8 | CP6659AM | 150 | -65 | 500 | 15 | 0 |
| SP2822BGL | M-PHIL | NR071001 | R8 | CP6659AM | 150 | -65 | 1000 | 15 | 0 |
| SP2822BGL | M-PHIL | NR071001 | R9 | CP6659AM | 150 | -65 | 500 | 13 | 0 |
| SP2822BGL | M-PHIL | NR071001 | R9 | CP6659AM | 150 | -65 | 1000 | 13 | 0 |
| SP2822BGL | M-PHILIPPINES | NR072025 | R1 | CY8C21534-24PVXAT | 150 | -65 | 1000 | 79 | 0 |
| SP2822BGL | M-PHIL | NR072025 | R10 | CP6659AM | 150 | -65 | 500 | 14 | 0 |
| SP2822BGL | M-PHIL | NR072025 | R10 | CP6659AM | 150 | -65 | 1000 | 14 | 0 |
| SP2822BGL | M-PHIL | NR072025 | R11 | CP6659AM | 150 | -65 | 500 | 15 | 0 |
| SP2822BGL | M-PHIL | NR072025 | R11 | CY8C21534-24PVXA | 150 | -65 | 1000 | 15 | 0 |
| SP2822BGL | M-PHIL | NR072025 | R12 | CY8C21534-24PVXA | 150 | -65 | 500 | 14 | 0 |
| SP2822BGL | M-PHIL | NR072025 | R12 | CY8C21534-24PVXA | 150 | -65 | 1000 | 14 | 0 |
| SP2822BGL | M-PHIL | NR072025 | R13 | CY8C21534-24PVXE | 150 | -65 | 500 | 14 | 0 |
| SP2822BGL | M-PHIL | NR072025 | R13 | CY8C21534-24PVXE | 150 | -65 | 1000 | 14 | 0 |
| SP2822BGL | M-PHILIPPINES | NR072025 | R2 | CY8C21534-24PVXAT | 150 | -65 | 500 | 79 | 0 |
| SP2822BGL | M-PHILIPPINES | NR072025 | R2 | CY8C21534-24PVXAT | 150 | -65 | 1000 | 79 | 0 |
| SP2822BGL | M-PHIL | NR072025 | R4 | CY8C24423A-24PVXI | 150 | -65 | 500 | 14 | 0 |
| SP2822BGL | M-PHIL | NR072025 | R4 | CY8C24423A-24PVXI | 150 | -65 | 1000 | 14 | 0 |
| SP2822BGL | M-PHIL | NR072025 | R5 | CY8C24423A-24PVXI | 150 | -65 | 500 | 14 | 0 |
| SP2822BGL | M-PHIL | NR072025 | R5 | CY8C24423A-24PVXI | 150 | -65 | 1000 | 14 | 0 |
| SP2822BGL | M-PHIL | NR072025 | R6 | CY8C24423A-24PVXI | 150 | -65 | 500 | 14 | 0 |
| SP2822BGL | M-PHIL | NR072025 | R6 | CY8C24423A-24PVXI | 150 | -65 | 1000 | 13 | 0 |
| SP2824HAN | T-OSE | 72402 | R1A | CY8C24633-24PVXI | 150 | -65 | 500 | 26 | 0 |
| SP2824HAN | T-OSE | 72402 | R1A | CY8C24633-24PVXI | 150 | -65 | 1000 | 26 | 0 |
| SP2824HAN | T-OSE | 72402 | R1B | CY8C24633-24PVXI | 150 | -65 | 500 | 26 | 0 |
| SP2824HAN | T-OSE | 72402 | R1B | CY8C24633-24PVXI | 150 | -65 | 1000 | 26 | 0 |
| SP2824HAN | T-OSE | 72402 | R1C | CY8C24633-24PVXI | 150 | -65 | 500 | 26 | 0 |
| SP2824HAN | T-OSE | 72402 | R1C | CY8C24633-24PVXI | 150 | -65 | 1000 | 26 | 0 |
| SP483AGAN | R-CML | MR072017 | R1 | CY7C63413C-PVXC | 150 | -65 | 1000 | 80 | 0 |
| SP483EBAL | R-CML | AR0746002 | R1 | CY8C29666-24PVXI | 150 | -65 | 500 | 16 | 0 |
| SP483EBAL | R-CML | AR0746002 | R1 | CY8C29666-24PVXI | 150 | -65 | 1000 | 15 | 0 |
| SP483EBAL | R-CML | AR0813005 | R1 | CY8C29666-24PVXIT | 150 | -65 | 500 | 17 | 0 |
| SP483EBAL | R-CML | AR0813005 | R1 | CY8C29666-24PVXIT | 150 | -65 | 1000 | 17 | 0 |
| SP483EBAL | R-CML | AR0816005 | R1 | CY8C29666-24PVXI | 150 | -65 | 500 | 17 | 0 |
| SP483EBAL | R-CML | AR0816005 | R1 | CY8C29666-24PVXI | 150 | -65 | 1000 | 17 | 0 |
| SP483EGAL | R-CML | AR0739011 | R1 | CY8C29666-24PVXIT | 150 | -65 | 500 | 17 | 0 |
| SP483EGAL | R-CML | AR0739011 | R1 | CY8C29666-24PVXIT | 150 | -65 | 1000 | 17 | 0 |
| SP48AAAAGR | M-PHIL | NR074001 | R4 | CY14B101L-SP45XC | 150 | -65 | 1000H | 15 | 0 |
| SP48AAAAGR | M-PHILIPPINES | NR074001 | R5 | CY14B101L-SP45XI | 150 | -65 | 1000H | 14 | 0 |
| SP48AAAAGR | M-PHILIPPINES | NR074001 | R5 | CY14B101L-SP45XI | 150 | -65 | 500H | 14 | 0 |
| SP48AAAAGR | M-PHILIPPINES | NR074001 | R6 | CY14B101L-SP45XI | 150 | -65 | 1000H | 14 | 0 |
| SP48AAAAGR | M-PHILIPPINES | NR074001 | R6 | CY14B101L-SP45XI | 150 | -65 | 500H | 14 | 0 |
| SP563AAGL | T | NR072021 | R3 | CY7C68000-56PVXC | 150 | -65 | 500 | 80 | 0 |
| SP563AAGL | T | NR072021 | R3 | CY7C68000-56PVXC | 150 | -65 | 1000 | 80 | 0 |
| SP563AAGN | R-CML | AR0721001 | R1 | CY505YC56DST | 150 | -65 | 500 | 15 | 0 |
| SP563AAGN | R-CML | AR0721001 | R1 | CY505YC56DST | 150 | -65 | 1000 | 15 | 0 |
| SP563AAGN | R-CML | AR0725005 | R1 | CY284100XCT | 150 | -65 | 500 | 17 | 0 |
| SP563AAGN | R-CML | AR0725005 | R1 | CY284100XCT | 150 | -65 | 1000 | 17 | 0 |

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|------------|----------|-----------|----|-------------------|-----|-----|------|----|---|---------------|-----------|
| SP563AAGN | R-CML | MR074027 | R1 | CY7C68000-56PVX | 150 | -65 | 500 | 80 | 0 | | |
| SP563AAGN | R-CML | MR074027 | R1 | CY7C68000-56PVX | 150 | -65 | 1000 | 80 | 0 | | |
| SP563ABGN | R-CML | AR0809005 | R1 | CY7C68000-56PVXCT | 150 | -65 | 500 | 15 | 2 | AR0809005-1T1 | Cut wedge |
| SP563ABGN | R-CML | AR0809005 | R1 | CY7C68000-56PVXCT | 150 | -65 | 1000 | 13 | 0 | | |
| SP563BAGL | R-CML | MR073055 | R1 | CP6603AMT | 150 | -65 | 1000 | 77 | 0 | | |
| SP563BBBGL | R-CML | MR082008 | R1 | CY7C68300C-56PVXC | 150 | -65 | 500 | 80 | 0 | | |
| SP563BBBGL | R-CML | MR082008 | R1 | CY7C68300C-56PVXC | 150 | -65 | 1000 | 80 | 0 | | |
| SP563BBBGL | T-TAIWAN | MR072029 | R1 | CY7C68013A-56PVXC | 150 | -65 | 500 | 78 | 0 | | |
| SP563BBBGL | T-TAIWAN | MR072029 | R1 | CY7C68013A-56PVXC | 150 | -65 | 1000 | 78 | 0 | | |
| SP563BBGL | T-TAIWAN | MR074059 | R1 | CY7C68014A-56PVXC | 150 | -65 | 1000 | 79 | 0 | | |
| SP563BBGL | T | NR072021 | R2 | CY7C68014A-56PVXC | 150 | -65 | 500 | 80 | 0 | | |
| SP563BBGL | T | NR072021 | R2 | CY7C68014A-56PVXC | 150 | -65 | 1000 | 80 | 0 | | |
| SP563BGAL | R-CML | 72304 | R1 | CY7C68300C | 150 | -65 | 500 | 76 | 0 | | |
| SP563BGAL | R-CML | 72304 | R2 | CY7C68300C | 150 | -65 | 500 | 76 | 0 | | |
| SP563BGAL | R-CML | 72304 | R3 | CY7C68300C | 150 | -65 | 500 | 76 | 0 | | |
| SP563BGAL | R-CML | AR0717003 | R1 | CY7C68300C-56PVXC | 150 | -65 | 1000 | 16 | 0 | | |
| SP563BGAL | R-CML | AR0738003 | R1 | CY7C68300C-56PVXC | 150 | -65 | 500 | 13 | 0 | | |
| SP563BGAL | R-CML | AR0738003 | R1 | CY7C68300C-56PVXC | 150 | -65 | 1000 | 13 | 0 | | |
| SP563BGAL | R-CML | AR0748005 | R1 | CY7C68300B-56PVXC | 150 | -65 | 500 | 15 | 2 | AR0748005-1T1 | Cut wedge |
| SP563BGAL | R-CML | AR0748005 | R1 | CY7C68300B-56PVXC | 150 | -65 | 1000 | 13 | 0 | | |
| SP563BGAL | R-CML | AR0749004 | R1 | CY7C68300B-56PVXC | 150 | -65 | 500 | 20 | 0 | | |
| SP563BGAL | R-CML | AR0749004 | R1 | CY7C68300B-56PVXC | 150 | -65 | 1000 | 11 | 0 | | |
| SP563BGAL | R-CML | MR081007 | R1 | CY7C68300C-56PVXC | 150 | -65 | 500 | 80 | 0 | | |
| SP563BGAL | R-CML | MR081007 | R1 | CY7C68300C-56PVXC | 150 | -65 | 1000 | 80 | 0 | | |
| SP563DAGN | R-CML | AR0806005 | R1 | CY7C66113C-PVXC | 150 | -65 | 1000 | 8 | 0 | | |
| SP563DBBGN | R-CML | AR0812005 | R1 | CY7C68001-56PVXC | 150 | -65 | 500 | 15 | 0 | | |
| SP563DBBGN | R-CML | AR0812005 | R1 | CY7C68001-56PVXC | 150 | -65 | 1000 | 15 | 0 | | |
| SP56AAGL | T | NR072021 | R1 | CY7C68000-56PVXC | 150 | -65 | 500 | 80 | 0 | | |
| SP56AAGL | T | NR072021 | R1 | CY7C68000-56PVXC | 150 | -65 | 1000 | 80 | 0 | | |

Summary for Package Family : SSOP (Pb-free) (180 records)

Sum **7,583** **4**

SOIC (J-Lead)

| | | | | | | | | | | | |
|------------|-------------|----------|-----|-----------------|-----|-----|------|----|---|--|--|
| V243GGABLE | O-INDONESIA | MR081055 | R1 | CY7C197V-15AXC | 150 | -65 | 500 | 80 | 0 | | |
| V243GGABLE | O-INDONESIA | MR081055 | R1 | CY7C197BN-15VC | 150 | -65 | 1000 | 80 | 0 | | |
| V28311ALL | R-CML | MR074048 | R1 | CY7C199CN-15VCT | 150 | -65 | 1000 | 80 | 0 | | |
| V28311ALL | R-CML | MR074048 | R1 | CY7C199CN-15VCT | 150 | -65 | 500 | 80 | 0 | | |
| V2835GALN | R-CML | MR073047 | R1 | CY7C185-15V1 | 150 | -65 | 500 | 79 | 0 | | |
| V284CGAGGB | O-INDS | MR073017 | R1 | CY7C107BN-15VC | 150 | -65 | 1000 | 77 | 0 | | |
| V284CGAGGB | O-IND | MR074014 | R1 | CY7C107BN-15VCT | 150 | -65 | 500 | 77 | 0 | | |
| V3644GALL | R-CML | 72104 | R2A | CY2305SXC | 150 | -65 | 500 | 77 | 0 | | |
| V3644GALL | R-CML | 72104 | R2A | CY2305SXC | 150 | -65 | 1000 | 77 | 0 | | |
| V3644GALL | R-CML | 72104 | R2B | CY2305SXC | 150 | -65 | 500 | 76 | 0 | | |
| V3644GALL | R-CML | 72104 | R2B | CY2305SXC | 150 | -65 | 1000 | 76 | 0 | | |
| V3644GALL | R-CML | 72104 | R2C | CY2305SXC | 150 | -65 | 500 | 77 | 0 | | |
| V3644GALL | R-CML | 72104 | R2C | CY2305SXC | 150 | -65 | 1000 | 77 | 0 | | |
| V3646GALL | R-CML | MR073033 | R1 | CY7C1049CV33- | 150 | -65 | 500 | 80 | 0 | | |

Summary for Package Family : SOIC (J-Lead) (14 records)

Sum **1,093** **0**

SOIC (J-Lead, Pb-Free)

| | | | | | | | | | | | |
|------------|-------------|----------|-----|--------------------|-----|-----|------|----|---|--|--|
| VZ2439AGS | O-INDONESIA | MR071061 | R1 | CY7C187-35VXC | 150 | -65 | 1000 | 80 | 0 | | |
| VZ2439AGS | O-INDS | MR073016 | R1 | CY7C187-25VXC | 150 | -65 | 1000 | 77 | 0 | | |
| VZ28311BLL | CML-R | MR081033 | R1 | CY7C1399BN-12VXI | 150 | -65 | 500 | 80 | 0 | | |
| VZ28311BLL | CML-R | MR081033 | R1 | CY7C1399BN-12VXI | 150 | -65 | 1000 | 80 | 0 | | |
| VZ28311KLL | R-CML | 72104 | R3A | CY7C1399BN | 150 | -65 | 500 | 77 | 0 | | |
| VZ28311KLL | R-CML | 72104 | R3A | CY7C1399BN | 150 | -65 | 1000 | 77 | 0 | | |
| VZ28311KLL | R-CML | 72104 | R3B | CY7C1399BN | 150 | -65 | 500 | 77 | 0 | | |
| VZ28311KLL | R-CML | 72104 | R3B | CY7C1399BN | 150 | -65 | 1000 | 77 | 0 | | |
| VZ28311KLL | R-CML | 72104 | R3C | CY7C1399BN | 150 | -65 | 500 | 77 | 0 | | |
| VZ28311KLL | R-CML | 72104 | R3C | CY7C1399BN | 150 | -65 | 1000 | 77 | 0 | | |
| VZ28311KLL | R-CML | MR073008 | R1 | CY7C1399BNL-15VXCT | 150 | -65 | 500 | 80 | 0 | | |

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|------------|-----------|-----------|-----|---------------------|-----|-----|------|-----|---|
| VZ28311KLL | R-CML | MR073008 | R1 | CY7C1399BNL-15VXCT | 150 | -65 | 1000 | 80 | 0 |
| VZ28312KLL | R-CML | 74202 | R3 | CY7C199D-10VXI | 150 | -65 | 500 | 112 | 0 |
| VZ28313BLN | R-CML | MR082056 | R1 | CY7C1399BN-12VXC | 150 | -65 | 500 | 80 | 0 |
| VZ28313BLN | R-CML | MR082056 | R1 | CY7C1399BN-12VXC | 150 | -65 | 1000 | 80 | 0 |
| VZ2835GKLN | R-CML | MR074033 | R1 | CY7C421-20VXC | 150 | -65 | 500 | 80 | 0 |
| VZ2835GKLN | R-CML | MR074033 | R1 | CY7C421-20VXC | 150 | -65 | 1000 | 79 | 0 |
| VZ2845ALL | O-OMEDATA | NR072008 | R1 | CY7C106D-10VXI | 150 | -65 | 500 | 50 | 0 |
| VZ2845ALL | O-OMEDATA | NR072008 | R1 | CY7C106D-10VXI | 150 | -65 | 1000 | 50 | 0 |
| VZ2845ALL | O-OMEDATA | NR072008 | R2 | CY7C106D-10VXI | 150 | -65 | 500 | 50 | 0 |
| VZ2845ALL | O-OMEDATA | NR072008 | R2 | CY7C106D-10VXI | 150 | -65 | 1000 | 50 | 0 |
| VZ2845ALL | O-OMEDATA | NR072008 | R3 | CY7C107D-10VXI | 150 | -65 | 500 | 50 | 0 |
| VZ2845ALL | O-OMEDATA | NR072008 | R3 | CY7C107D-10VXI | 150 | -65 | 1000 | 50 | 0 |
| VZ32420GLL | R-CML | MR081008 | R1 | CY7C109D-10VXI | 150 | -65 | 500 | 80 | 0 |
| VZ32420GLL | R-CML | MR081008 | R1 | CY7C109D-10VXI | 150 | -65 | 1000 | 80 | 0 |
| VZ3646BGLL | R-CML | AR0742002 | R1 | CY7C1049CV33-10VXCT | 150 | -65 | 1000 | 17 | 0 |
| VZ3646BGLL | R-CML | AR0806003 | R1 | CY7C1049CV33-10VXCT | 150 | -65 | 1000 | 11 | 0 |
| VZ3646BGLL | R-CML | MR082009 | R1 | CY7C1049CV33-10VXC | 150 | -65 | 500 | 80 | 0 |
| VZ3646BGLL | R-CML | MR082009 | R1 | CY7C1049CV33-10VXC | 150 | -65 | 1000 | 80 | 0 |
| VZ3646GLL | R-CML | MR074001 | R1 | CY7C1049CV33-10VXCT | 150 | -65 | 500 | 80 | 0 |
| VZ3646GLL | R-CML | MR074001 | R1 | CY7C1049CV33-10VXCT | 150 | -65 | 1000 | 80 | 0 |
| VZ3648BGLL | R-CML | AR0749001 | R1 | CY7C1049CV33-10VXCT | 150 | -65 | 500 | 13 | 0 |
| VZ3648BGLL | R-CML | AR0749001 | R1 | CY7C1049CV33-10VXCT | 150 | -65 | 1000 | 13 | 0 |
| VZ3648GALL | R-CML | 74202 | R4 | CY7C1049DV33-10VXI | 150 | -65 | 500 | 80 | 0 |
| VZ3648GALL | R-CML | 74202 | R4 | CY7C1049DV33-10VXI | 150 | -65 | 1000 | 80 | 0 |
| VZ3648GALL | R-CML | AR0718013 | R1 | CY7C1049D-10VXIT | 150 | -65 | 1000 | 11 | 0 |
| VZ3648GALL | R-CML | AR0722003 | R1 | CY7C1049DV33-10VXIT | 150 | -65 | 500 | 17 | 0 |
| VZ3648GALL | R-CML | AR0722003 | R1 | CY7C1049DV33-10VXIT | 150 | -65 | 1000 | 17 | 0 |
| VZ3648GALL | R-CML | AR0723001 | R1 | CY7C1049D-10VXIT | 150 | -65 | 500 | 17 | 0 |
| VZ3648GALL | R-CML | AR0723001 | R1 | CY7C1049D-10VXIT | 150 | -65 | 1000 | 11 | 0 |
| VZ3648GALL | R-CML | AR0724001 | R1 | CY7C1049DV33-10VXIT | 150 | -65 | 500 | 17 | 0 |
| VZ3648GALL | R-CML | AR0724001 | R1 | CY7C1049DV33-10VXIT | 150 | -65 | 1000 | 17 | 0 |
| VZ3648GALL | R-CML | AR0725001 | R1 | CY7C1049DV33-10VXIT | 150 | -65 | 500 | 17 | 0 |
| VZ3648GALL | R-CML | AR0725001 | R1 | CY7C1049DV33-10VXIT | 150 | -65 | 1000 | 17 | 0 |
| VZ3648GALL | R-CML | AR0729007 | R1 | CY7C1049DV33-10VXI | 150 | -65 | 500 | 17 | 0 |
| VZ3648GALL | R-CML | AR0729007 | R1 | CY7C1049DV33-10VXI | 150 | -65 | 1000 | 17 | 0 |
| VZ3648GALL | R-CML | MR073032 | R1 | CY7C1049DV33-10VXIT | 150 | -65 | 500 | 80 | 0 |
| VZ3648GBLL | R-CML | AR0814004 | R1 | CY7C1049DV33-10VXI | 150 | -65 | 500 | 11 | 0 |
| VZ3648GBLL | R-CML | AR0814004 | R1 | CY7C1049DV33-10VXI | 150 | -65 | 1000 | 11 | 0 |
| VZ444WAGL | R-CML | MR081050 | R1 | CY7C1021B-12VXC | 150 | -65 | 500 | 80 | 0 |
| VZ444WAGL | R-CML | MR081050 | R1 | CY7C1021B-12VXC | 150 | -65 | 1000 | 80 | 0 |
| VZ444ZALL | R-CML | 72104 | R1A | CY7C1021CV33 | 150 | -65 | 500 | 77 | 0 |
| VZ444ZALL | R-CML | 72104 | R1A | CY7C1021CV33 | 150 | -65 | 1000 | 77 | 0 |
| VZ444ZALL | R-CML | 72104 | R1B | CY7C1021CV33 | 150 | -65 | 500 | 77 | 0 |
| VZ444ZALL | R-CML | 72104 | R1B | CY7C1021CV33 | 150 | -65 | 1000 | 77 | 0 |
| VZ444ZALL | R-CML | 72104 | R1C | CY7C1021CV33 | 150 | -65 | 500 | 77 | 0 |
| VZ444ZALL | R-CML | 72104 | R1C | CY7C1021CV33 | 150 | -65 | 1000 | 77 | 0 |

Summary for Package Family : SOIC (J-Lead, Pb-free) (57 records)

Sum 3,263 0

| TQFP | | | | | | | | | |
|------------|---------|----------|----|------------------|-----|-----|------|----|---|
| A100SEGAGL | R-CML | MR073004 | R1 | CY7B994V-2AC | 150 | -65 | 500 | 80 | 0 |
| A100SEGAGL | R-CML | MR073004 | R1 | CY7B994V-2AC | 150 | -65 | 1000 | 80 | 0 |
| A120DAGAAE | L-Korea | 80610 | R3 | CY7C0831AV-133AI | 150 | -65 | 1000 | 77 | 0 |
| A32BXGBGB | Q-KOREA | MR074019 | R1 | CY7C4221V-15AC | 150 | -65 | 500 | 78 | 0 |
| A32BXGBGB | Q-KOREA | MR073040 | R1 | CY7C433-10AC | 150 | -65 | 500 | 80 | 0 |
| A32BXGBGB | Q-KOREA | MR081038 | R1 | CY7C4221V-15AC | 150 | -65 | 500 | 80 | 0 |
| A32BXGBGB | Q-KOREA | MR081038 | R1 | CY7C4221V-15AC | 150 | -65 | 1000 | 79 | 0 |
| A32LXGXGB | Q-KOREA | MR082024 | R1 | CY29948AC | 150 | -65 | 500 | 79 | 0 |
| A32LXGXGB | Q-KOREA | MR082024 | R1 | CY29948AC | 150 | -65 | 1000 | 79 | 0 |
| A52ASGAGE | Q-KOREA | MR064081 | R1 | CY7B9945V-5AC | 150 | -65 | 2000 | 42 | 0 |
| AS64CGAGB | Q-KOREA | MR081026 | R1 | CY7C4285-15ASI | 150 | -65 | 500 | 75 | 0 |



| | | | | | | | | | | | | |
|---|---------|----------|-----|---------------------|-----|-----|------|----|--------------|-------------|-----------|--|
| AS64CGAGB | Q-KOREA | MR081026 | R1 | CY7C4285-15ASI | 150 | -65 | 1000 | 73 | 0 | | | |
| Summary for Package Family : TQFP (12 records) | | | | | | | | | | | | |
| Sum | | | | | | | | | 4,940 | 0 | | |
| TQFP (10 X 10) | | | | | | | | | | | | |
| Summary for Package Family : TQFP (10 X 10) (0 record) | | | | | | | | | | | | |
| Sum | | | | | | | | | 0 | 0 | | |
| TQFP (Pb-free) | | | | | | | | | | | | |
| AZ100RAALL | R-CML | 74204 | R1 | CY7C1370D-167AXC | 150 | -65 | 500 | 76 | 0 | | | |
| AZ100RAALL | R-CML | 74204 | R1 | CY7C1370D-167AXC | 150 | -65 | 1000 | 76 | 0 | | | |
| AZ100RUAGN | R-CML | 65105 | R1A | CY7C68013A-100AXC | 150 | -65 | 1000 | 28 | 0 | | | |
| AZ100RUAGN | R-CML | 65105 | R2 | CY7C68013A-100AXC | 150 | -65 | 500 | 80 | 0 | | | |
| AZ100RUAGN | R-CML | 65105 | R2 | CY7C68013A-100AXC | 150 | -65 | 1000 | 79 | 0 | | | |
| AZ100RUAGN | R-CML | 65105 | R3 | CY7C68013A-100AXC | 150 | -65 | 500 | 50 | 0 | | | |
| AZ100RUAGN | R-CML | 65105 | R3 | CY7C68013A-100AXC | 150 | -65 | 1000 | 50 | 0 | | | |
| AZ100RXBLL | R-CML | 80310 | R1 | CY7C1360C-166AXC | 150 | -65 | 500 | 79 | 0 | | | |
| AZ100RXBLL | R-CML | 80310 | R1 | CY7C1360C-166AXC | 150 | -65 | 1000 | 78 | 0 | | | |
| AZ100RXBLL | R-CML | 80310 | R1A | CY7C1360C-166AXC | 150 | -65 | 500 | 80 | 0 | | | |
| AZ100RXBLL | R-CML | 80310 | R1A | CY7C1360C-166AXC | 150 | -65 | 1000 | 80 | 0 | | | |
| AZ100RXBLL | R-CML | MR081045 | R1 | CY7C1360C-166AXC | 150 | -65 | 500 | 80 | 0 | | | |
| AZ100RXBLL | R-CML | MR081045 | R1 | CY7C1360C-166AXC | 150 | -65 | 1000 | 77 | 0 | | | |
| AZ100RXLL | R-CML | MR072033 | R1 | CY7C1360C-166AXI | 150 | -65 | 1000 | 80 | 0 | | | |
| AZ100SFA | R-CML | MR082049 | R1 | CY7C024-25AXC | 150 | -65 | 500 | 80 | 0 | | | |
| AZ100SFA | R-CML | MR082049 | R1 | CY7C024-25AXC | 150 | -65 | 1000 | 80 | 0 | | | |
| AZ100SFAL | R-CML | MR073022 | R1 | CY7C1049DV33-10VXIT | 150 | -65 | 500 | 80 | 0 | | | |
| AZ100SFAL | R-CML | MR073022 | R1 | CY7C1049DV33-10VXIT | 150 | -65 | 1000 | 80 | 0 | | | |
| AZ100SFAL | R-CML | MR074036 | R1 | CY7C025-25AXC | 150 | -65 | 500 | 80 | 0 | | | |
| AZ100SFAL | R-CML | MR074036 | R1 | CY7C025-25AXC | 150 | -65 | 1000 | 78 | 0 | | | |
| AZ100SFAL | R-CML | MR081017 | R1 | CY7C024-25AXC | 150 | -65 | 500 | 80 | 0 | | | |
| AZ100SFAL | R-CML | MR081017 | R1 | CY7C024-25AXC | 150 | -65 | 1000 | 80 | 0 | | | |
| AZ120DAGAR | L-Korea | 80610 | R1 | CY7C0831AV-133AXI | 150 | -65 | 1000 | 76 | 0 | | | |
| AZ120DAGAR | L-Korea | 80610 | R2 | CY7C0831AV-133AXI | 150 | -65 | 1000 | 77 | 0 | | | |
| AZ128SABLL | R-CML | MR082004 | R1 | CY7C68013A-128AXC | 150 | -65 | 500 | 80 | 0 | | | |
| AZ128SABLL | R-CML | MR082004 | R1 | CY7C68013A-128AXC | 150 | -65 | 1000 | 80 | 0 | | | |
| AZ128SALL | R-CML | 74404 | R1 | 7C681000BC-RAZC | 150 | -65 | 500 | 77 | 9 | 074404-1T1 | Cut wedge | |
| AZ128SALL | R-CML | 74404 | R1 | 7C681000BC-RAZC | 150 | -65 | 1000 | 63 | 0 | | | |
| AZ128SALL | R-CML | 74404 | R1A | 7C681000BC-RAZC | 150 | -65 | 500 | 77 | 38 | 074404-1AT1 | Cut wedge | |
| AZ128SALL | R-CML | 74404 | R1A | 7C681000BC-RAZC | 150 | -65 | 1000 | 35 | 0 | | | |
| AZ128SALL | R-CML | MR072015 | R1 | CY7C64713-128AXC | 150 | -65 | 500 | 79 | 0 | | | |
| AZ128SALL | R-CML | MR072015 | R1 | CY7C64713-128AXC | 150 | -65 | 1000 | 79 | 0 | | | |
| AZ144AAAGR | Q-KOREA | MR081054 | R1 | CY7C056V-15AXC | 150 | -65 | 500 | 77 | 0 | | | |
| AZ144AAAGR | Q-KOREA | MR081054 | R1 | CY7C056V-15AXC | 150 | -65 | 1000 | 77 | 0 | | | |
| AZ32BXGAN | Q-KOREA | MR073057 | R1 | CY7C4251-15AXC | 150 | -65 | 500 | 80 | 0 | | | |
| AZ32BXGAN | Q-KOREA | MR081015 | R1 | CY7C4201V-15AXC | 150 | -65 | 500 | 80 | 0 | | | |
| AZ32BXGAN | Q-KOREA | MR081015 | R1 | CY7C4201V-15AXC | 150 | -65 | 1000 | 80 | 0 | | | |
| AZ32BXGAN | Q-KOREA | MR082054 | R1 | CY7C4251V-15AXC | 150 | -65 | 500 | 80 | 0 | | | |
| AZ32BXGAN | Q-KOREA | MR082054 | R1 | CY7C4251V-15AXC | 150 | -65 | 1000 | 80 | 0 | | | |
| AZ32GXGAN | G-ASE | MR081051 | R1 | CY29942AXI | 150 | -65 | 500 | 80 | 0 | | | |
| AZ32GXGAN | G-ASE | MR081051 | R1 | CY29942AXI | 150 | -65 | 1000 | 80 | 0 | | | |
| AZ32GXGAN | G-ASE | MR082020 | R1 | CY29942AXI | 150 | -65 | 500 | 79 | 0 | | | |
| AZ32GXGAN | G-ASE | MR082020 | R1 | CY29942AXI | 150 | -65 | 1000 | 79 | 0 | | | |
| AZ32LXGAN | Q-KOREA | MR074020 | R1 | CY7C425-10AXC | 150 | -65 | 500 | 80 | 0 | | | |
| AZ32LXGAN | Q-KOREA | MR074020 | R1 | CY7C425-10AXC | 150 | -65 | 1000 | 80 | 0 | | | |
| AZ44SFGAN | R-CML | MR073031 | R1 | CY37032VP44-100AXC | 150 | -65 | 500 | 79 | 0 | | | |
| AZ44SFGAN | R-CML | MR073031 | R1 | CY37032VP44-100AXC | 150 | -65 | 1000 | 79 | 0 | | | |
| AZ44SGGAN | RA-CML | 80905 | R2 | CY8C27543-24AXI | 150 | -65 | 500 | 80 | 0 | | | |
| AZ44SGGAN | RA-CML | 80905 | R2 | CY8C27543-24AXI | 150 | -65 | 1000 | 80 | 0 | | | |
| AZ44SGGAN | RA-CML | 80905 | R3 | CY8C27543-24AXI | 150 | -65 | 500 | 80 | 0 | | | |
| AZ44SGGAN | RA-CML | 80905 | R3 | CY8C27543-24AXI | 150 | -65 | 1000 | 80 | 0 | | | |
| AZ44SGGAN | R-CML | MR082040 | R1 | CS6567AM | 150 | -65 | 500 | 80 | 0 | | | |
| AZ44SGGAN | R-CML | MR082040 | R1 | CS6567AM | 150 | -65 | 1000 | 80 | 0 | | | |

| | | | | | | | | | |
|-----------|--------|----------|----|---------------|-----|-----|------|----|---|
| AZ44SGGAN | R-CML | MR082060 | R1 | CS6567AM | 150 | -65 | 500 | 80 | 0 |
| AZ44SGGAN | R-CML | MR082060 | R1 | CS6567AM | 150 | -65 | 1000 | 80 | 0 |
| AZ64HXGAL | R-CML | 74603 | R1 | CY7C144-55AXC | 150 | -65 | 1000 | 77 | 0 |
| AZ64HXGAL | R-CML | 74603 | R2 | CY7C144-55AXC | 150 | -65 | 1000 | 77 | 0 |
| AZ64HXGAL | R-CML | 74603 | R3 | CY7C144-55AXC | 150 | -65 | 1000 | 77 | 0 |
| AZ64HXGAL | R-CML | 74603 | R4 | CY7C144-55AXC | 150 | -65 | 1000 | 75 | 0 |
| AZ64HXGAL | RA-CML | MR074007 | R1 | CY7C63723C | 150 | -65 | 500 | 80 | 0 |
| AZ64HXGAL | RA-CML | MR074007 | R1 | CY7C63723C | 150 | -65 | 1000 | 80 | 0 |

Summary for Package Family : TQFP (Pb-free) (61 records)

Sum **### 47**

TQFP (Thermal)

| | | | | | | | | | |
|------------|---------|----------|----|-------------------|-----|-----|------|----|---|
| AT120ABAGE | Q-KOREA | NR072029 | R1 | CYS25G0101DX-ATXC | 150 | -65 | 500 | 80 | 0 |
| AT120ABAGE | Q-KOREA | NR072029 | R1 | CYS25G0101DX-ATXC | 150 | -65 | 1000 | 80 | 0 |
| AT120ABAGE | Q-KOREA | NR072029 | R2 | CYS25G0101DX-ATXC | 150 | -65 | 500 | 79 | 0 |
| AT120ABAGE | Q-KOREA | NR072029 | R2 | CYS25G0101DX-ATXC | 150 | -65 | 1000 | 79 | 0 |
| AT120ABAGE | Q-KOREA | NR072029 | R3 | CYS25G0101DX-ATXC | 150 | -65 | 500 | 80 | 0 |
| AT120ABAGE | Q-KOREA | NR072029 | R3 | CYS25G0101DX-ATXC | 150 | -65 | 1000 | 80 | 0 |

Summary for Package Family : TQFP (Thermal) (6 records)

Sum **478 0**

TQFP (Thermal, Pb-free)

| | | | | | | | | | |
|------------|---------|----------|----|-------------------|-----|-----|------|----|---|
| AG120ABAGR | Q-KOREA | NR072017 | R1 | CYS25G0101DX-ATXC | 150 | -65 | 500 | 80 | 0 |
| AG120ABAGR | Q-KOREA | NR072017 | R1 | CYS25G0101DX-ATXC | 150 | -65 | 1000 | 79 | 0 |

Summary for Package Family : TQFP (Thermal, Pb-Free) (2 records)

Sum **159 0**

TQFP (Exposed Pad, Pb-free)

| | | | | | | | | | |
|-----------|---------------|-------|-------|----------------|-----|-----|------|----|---|
| AE144AAGL | Q-KOREA | 71604 | R1 | CY22H402SW-AXC | 150 | -65 | 1000 | 74 | 0 |
| AE144AAGL | Q-Korea | 71604 | R2 | CY22H402SW-AXC | 150 | -65 | 500 | 84 | 0 |
| AE144AAGL | Q-Korea | 71604 | R2 | CY22H402SW-AXC | 150 | -65 | 1000 | 84 | 0 |
| AE144AAGL | Q-Korea | 71604 | R3 | CY22H402SW-AXC | 150 | -65 | 500 | 81 | 0 |
| AE144AAGL | Q-Korea | 71604 | R3 | CY22H402SW-AXC | 150 | -65 | 1000 | 81 | 0 |
| AE144AAGL | Q-Amkor Korea | 71604 | R3(1) | CY22H402SW-AXC | 150 | -65 | 376 | 1 | 0 |
| AE144AAGL | Q-Amkor Korea | 71604 | R3(1) | CY22H402SW-AXC | 150 | -65 | 500 | 1 | 0 |

Summary for Package Family : TQFP (Exposed Pad, Pb-Free) (2 records)

Sum **406 0**

TSOP (Pb-free)

| | | | | | | | | | |
|------------|----------|----------|----|---------------------|-----|-----|------|----|---|
| ZT28R4AGL | R-CML | 80302 | R3 | CY7C1399BNL-12ZXC | 150 | -65 | 500 | 80 | 0 |
| ZT28R4AGL | R-CML | 80302 | R3 | CY7C1399BNL-12ZXC | 150 | -65 | 1000 | 77 | 0 |
| ZT28R4AGL | R-CML | MR074045 | R1 | CY7C1399BNL-12ZXC | 150 | -65 | 500 | 79 | 0 |
| ZT28R4AGL | R-CML | MR081058 | R1 | CY7C1399BNL-12ZXC | 150 | -65 | 500 | 80 | 0 |
| ZT28R4AGL | R-CML | MR081058 | R1 | CY7C1399BNL-12ZXC | 150 | -65 | 1000 | 79 | 0 |
| ZT28RAGL | R-CML | MR074045 | R1 | CY7C1399BNL-12ZXC | 150 | -65 | 1000 | 79 | 0 |
| ZT28RGLL | R-CML | MR073052 | R1 | CY7C199D-10ZXI | 150 | -65 | 500 | 80 | 0 |
| ZT32RABALL | T-TAIWAN | MR073024 | R1 | CY62128ELL-45ZXIT | 150 | -65 | 500 | 79 | 0 |
| ZT32RABALL | T-TAIWAN | MR073024 | R1 | CY62128ELL-45ZXIT | 150 | -65 | 1000 | 79 | 0 |
| ZT32RABALL | T-TAIWAN | MR073034 | R1 | CY62128EV30LL-45ZXI | 150 | -65 | 500 | 80 | 0 |
| ZT32RABALL | T-TAIWAN | MR073034 | R1 | CY62128EV30LL-45ZXI | 150 | -65 | 1000 | 80 | 0 |
| ZT32RABALL | T-TAIWAN | MR081060 | R1 | CY62128EV30LL-45ZXI | 150 | -65 | 500 | 80 | 0 |
| ZT32RABALL | T-TAIWAN | MR081060 | R1 | CY62128EV30LL-45ZXI | 150 | -65 | 1000 | 80 | 0 |
| ZT32RABALL | T-OSE | MR082019 | R1 | CY62128EV30LL-45ZXI | 150 | -65 | 500 | 80 | 0 |
| ZT32RABALL | T-OSE | MR082019 | R1 | CY62128EV30LL-45ZXI | 150 | -65 | 1000 | 80 | 0 |
| ZT32RADALL | RA-CML | 74902 | R1 | CY62126EV30LL | 150 | -65 | 500 | 80 | 0 |
| ZT32RADALL | RA-CML | 74902 | R1 | CY62126EV30LL | 150 | -65 | 1000 | 80 | 0 |
| ZT32RADALL | RA-CML | 74902 | R2 | CY62126EV30LL | 150 | -65 | 500 | 79 | 0 |
| ZT32RADALL | RA-CML | 74902 | R2 | CY62126EV30LL | 150 | -65 | 1000 | 79 | 0 |
| ZT32RADALL | RA-CML | 74902 | R3 | CY62126EV30LL | 150 | -65 | 500 | 74 | 0 |
| ZT32RADALL | RA-CML | 74902 | R3 | CY62126EV30LL | 150 | -65 | 1000 | 74 | 0 |
| ZT32RADALL | RA-CML | MR074028 | R1 | CY62128ELL-45ZXI | 150 | -65 | 500 | 78 | 0 |
| ZT32RADALL | RA-CML | MR074028 | R1 | CY62128ELL-45ZXI | 150 | -65 | 1000 | 78 | 0 |
| ZT32RADALL | RA-CML | NR073006 | R1 | CY62128ELL-45ZXIT | 150 | -65 | 500 | 45 | 0 |

| | | | | | | | | | |
|--|----------|-----------|-----|----------------------|-----|-----|------|--------------|----------|
| ZT32RADALL | RA-CML | NR073006 | R1 | CY62128ELL-45ZXIT | 150 | -65 | 1000 | 41 | 0 |
| ZT32RADALL | RA-CML | NR073006 | R2 | CY62128ELL-45ZXIT | 150 | -65 | 500 | 45 | 0 |
| ZT32RADALL | RA-CML | NR073006 | R2 | CY62128ELL-45ZXIT | 150 | -65 | 1000 | 45 | 0 |
| ZT32RADALL | RA-CML | NR073006 | R3 | CY62128ELL-45ZXIT | 150 | -65 | 500 | 45 | 0 |
| ZT32RADALL | RA-CML | NR073006 | R3 | CY62128ELL-45ZXIT | 150 | -65 | 1000 | 43 | 0 |
| ZT32RADALL | RA-CML | NR073006 | R4 | CY62128ELL-45ZXIT | 150 | -65 | 500 | 14 | 0 |
| ZT32RADALL | RA-CML | NR073006 | R4 | CY62128ELL-45ZXIT | 150 | -65 | 1000 | 14 | 0 |
| ZT32RADALL | RA-CML | NR073006 | R5 | CY62128ELL-45ZXIT | 150 | -65 | 500 | 15 | 0 |
| ZT32RADALL | RA-CML | NR073006 | R5 | CY62128ELL-45ZXIT | 150 | -65 | 1000 | 15 | 0 |
| ZT32RADALL | RA-CML | NR073006 | R9 | CY62128ELL-45ZXIT | 150 | -65 | 500 | 14 | 0 |
| ZT32RADALL | RA-CML | NR073006 | R9 | CY62128ELL-45ZXIT | 150 | -65 | 1000 | 14 | 0 |
| ZT48ACALL | G-TAIWAN | MR063016 | R1 | CY62167DV30LL-45ZXI | 150 | -65 | 500 | 45 | 0 |
| ZT48AJAALL | T-Taiwan | 71906 | R2 | CY62167DV30LL | 150 | -65 | 1000 | 77 | 0 |
| ZT48AJAALL | T-Taiwan | 71906 | R3 | CY62167DV30LL | 150 | -65 | 1000 | 77 | 0 |
| Summary for Package Family : TSOP (Pb-free) (38 records) | | | | | | | | | |
| Sum | | | | | | | | 2,363 | 0 |
| EXPOSED TSOP (Pb-free) | | | | | | | | | |
| ZL2017AGN | M-Phils | MR074052 | R1 | CY27EE16FZXEC | 150 | -65 | 500 | 75 | 0 |
| ZL2017AGN | M-Phils | MR074052 | R1 | CY27EE16FZXEC | 150 | -65 | 1000 | 75 | 0 |
| Summary for Package Family : EXPOSED TSOP (Pb-free) (2 records) | | | | | | | | | |
| Sum | | | | | | | | 150 | 0 |
| TSOP I (Pb-free) | | | | | | | | | |
| ZB32RHALL | R-CML | MR082053 | R1 | CY62128DV30LL-55ZAXI | 150 | -65 | 500 | 80 | 0 |
| ZB32RHALL | R-CML | MR082053 | R1 | CY62128DV30LL-55ZAXI | 150 | -65 | 1000 | 80 | 0 |
| ZB32RHALL | R-CML | NR072020 | R1 | CY62128BLL-70ZAXI | 150 | -65 | 500 | 80 | 0 |
| ZB32RHALL | R-CML | NR072020 | R1 | CY62128BLL-70ZAXI | 150 | -65 | 1000 | 80 | 0 |
| ZB32RHALL | R-CML | NR072020 | R4 | CY62128BLL-55ZAXI | 150 | -65 | 500 | 15 | 0 |
| ZB32RHALL | R-CML | NR072020 | R4 | CY62128BLL-55ZAXI | 150 | -65 | 1000 | 15 | 0 |
| ZB32RHALN | R-CML | MR073025 | R1 | CY62128EV30LL-45ZAXI | 150 | -65 | 500 | 80 | 0 |
| ZB32RHALN | R-CML | MR074026 | R1 | CY62126EV30LL-45ZAXI | 150 | -65 | 500 | 80 | 0 |
| ZB32RHALN | R-CML | MR074026 | R1 | CY62126EV30LL-45ZAXI | 150 | -65 | 1000 | 80 | 0 |
| ZB32RHALN | R-CML | MR081029 | R1 | CY62128EV30LL-45AZXI | 150 | -65 | 500 | 80 | 0 |
| ZB32RHALN | R-CML | MR081029 | R1 | CY62128EV30LL-45AZXI | 150 | -65 | 1000 | 80 | 0 |
| ZB32RHALN | R-CML | MR082003 | R1 | CY62128EV30LL-45ZAXI | 150 | -65 | 500 | 80 | 0 |
| ZB32RHALN | R-CML | MR082003 | R1 | CY62128EV30LL-45ZAXI | 150 | -65 | 1000 | 80 | 0 |
| Summary for Package Family : TSOP I (Pb-Free) (13 records) | | | | | | | | | |
| Sum | | | | | | | | 910 | 0 |
| TSOP II | | | | | | | | | |
| ZS444ABAL | R-CML | MR074069 | R1 | CY7C1020CV33-12ZC | 150 | -65 | 1000 | 80 | 0 |
| ZS444RAGB | R-CML | MR073027 | R1 | CG6079AA | 150 | -65 | 500 | 80 | 0 |
| ZS544AALE | G-TAIWAN | MR064044 | R1 | CY7C1069AV33-10ZC | 150 | -65 | 500 | 45 | 0 |
| ZS544AALE | G-TAIWAN | MR064044 | R1 | CY7C1069AV33-10ZC | 150 | -65 | 500 | 45 | 0 |
| Summary for Package Family : TSOP II (4 records) | | | | | | | | | |
| Sum | | | | | | | | 250 | 0 |
| TSOP II (Pb-free) | | | | | | | | | |
| ZW324CBLL | OSE-T | MR081025 | R1 | CY62148ELL-45ZSXI | 150 | -65 | 500 | 80 | 0 |
| ZW324CBLL | OSE-T | MR081025 | R1 | CY62148ELL-45ZSXI | 150 | -65 | 1000 | 80 | 0 |
| ZW324CBLL | T-OSE | MR082026 | R1 | CY62148ELL-45ZSXI | 150 | -65 | 500 | 80 | 0 |
| ZW324CBLL | T-OSE | MR082026 | R1 | CY62148ELL-45ZSXI | 150 | -65 | 1000 | 80 | 0 |
| ZW324GALL | T-OSE | MR074042 | R1 | CY7C1019D-10ZSXI | 150 | -65 | 1000 | 79 | 0 |
| ZW444AJGN | R-CML | AR0807002 | R1 | CY7C1021CV33-12ZXC | 150 | -65 | 1000 | 17 | 0 |
| ZW444AJGN | R-CML | MR073012 | R1 | CY7C1021CV33-12ZXC | 150 | -65 | 500 | 80 | 0 |
| ZW444AJGN | R-CML | MR073012 | R1 | CY7C1021CV33-12ZXC | 150 | -65 | 1000 | 80 | 0 |
| ZW444AKALN | R-CML | MR074034 | R1 | CY7C1041CV33-10ZXC | 150 | -65 | 500 | 80 | 0 |
| ZW444AKALN | R-CML | MR074034 | R1 | CY7C1041CV33-10ZXC | 150 | -65 | 1000 | 80 | 0 |
| ZW444AMBLN | R-CML | MR081003 | R1 | CY62157EV30LL-45ZSXI | 150 | -65 | 500 | 80 | 0 |
| ZW444AMBLN | R-CML | MR081003 | R1 | CY62157EV30LL-45ZSXI | 150 | -65 | 1000 | 80 | 0 |
| ZW444AMBLN | R-CML | MR082002 | R1 | CY62146EV30LL-45SZSX | 150 | -65 | 500 | 80 | 0 |
| ZW444AMBLN | R-CML | MR082002 | R1 | CY62146EV30LL-45SZSX | 150 | -65 | 1000 | 80 | 0 |
| ZW444AMLN | R-CML | MR072036 | R1A | CY62147DV30L-55ZSXE | 150 | -65 | 3500 | 54 | 0 |

| | | | | | | | | | |
|-----------|----------|----------|-----|----------------------|-----|-----|------|----|---|
| ZW444AMLN | R-CML | MR072036 | R1A | CY62147DV30L-55ZSX | 150 | -65 | 4000 | 54 | 0 |
| ZW444AMLN | R-CML | MR072036 | R1A | CY62147DV30L-55ZSX | 150 | -65 | 4500 | 54 | 0 |
| ZW444AMLN | R-CML | MR072036 | R2 | CY62147DV30L-55ZSX | 150 | -65 | 500 | 50 | 0 |
| ZW444AMLN | R-CML | MR072036 | R2 | CY62147DV30L-55ZSX | 150 | -65 | 1000 | 50 | 0 |
| ZW444AMLN | R-CML | MR072036 | R2A | CY62147E-RZWEB | 150 | -65 | 3500 | 50 | 0 |
| ZW444AMLN | R-CML | MR072036 | R2A | CY62147E-RZWEB | 150 | -65 | 4000 | 50 | 0 |
| ZW444AMLN | R-CML | MR072036 | R2A | CY62147E-RZWEB | 150 | -65 | 4500 | 47 | 0 |
| ZW444VALL | R-CML | 74203 | R1 | CY7C1041D-10ZSXI | 150 | -65 | 1000 | 77 | 0 |
| ZW444VALL | R-CML | 74203 | R2 | CY7C1041D-10ZSXI | 150 | -65 | 1000 | 77 | 0 |
| ZW444VALL | R-CML | 74203 | R3 | CY7C1041D-10ZSXI | 150 | -65 | 1000 | 76 | 0 |
| ZW444VBLL | R-CML | 74203 | R5 | CY7C1041D-10ZSXI | 150 | -65 | 500 | 77 | 0 |
| ZW444VBLL | R-CML | 74203 | R5 | CY7C1041D-10ZSXI | 150 | -65 | 1000 | 77 | 0 |
| ZW444VBLL | R-CML | 74203 | R5A | CY7C1041D-10ZSXI | 150 | -65 | 500 | 77 | 0 |
| ZW444VBLL | R-CML | 74203 | R5A | CY7C1041D-10ZSXI | 150 | -65 | 1000 | 77 | 0 |
| ZW444VBLL | R-CML | 74203 | R6 | CY7C1021BNV33L-15ZXI | 150 | -65 | 500 | 77 | 0 |
| ZW444VBLL | R-CML | 74203 | R6 | CY7C1021BNV33L-15ZXI | 150 | -65 | 1000 | 77 | 0 |
| ZW444VBLL | R-CML | 74203 | R6A | CY7C1021BNV33L-15ZXI | 150 | -65 | 500 | 76 | 0 |
| ZW444VBLL | R-CML | 74203 | R6A | CY7C1021BNV33L-15ZXI | 150 | -65 | 1000 | 74 | 0 |
| ZW444VBLL | R-CML | 74203 | R7 | CY7C1021BNV33L-15ZXI | 150 | -65 | 500 | 76 | 0 |
| ZW444VBLL | R-CML | 74203 | R7 | CY7C1021BNV33L-15ZXI | 150 | -65 | 1000 | 76 | 0 |
| ZW444VBLL | R-CML | 74203 | R7A | CY7C1021BNV33L-15ZXI | 150 | -65 | 500 | 77 | 0 |
| ZW444VBLL | R-CML | 74203 | R7A | CY7C1021BNV33L-15ZXI | 150 | -65 | 1000 | 77 | 0 |
| ZW544AALL | G-TAIWAN | MR073058 | R1 | CY7C1069AV33-12ZXC | 150 | -65 | 1000 | 74 | 0 |
| ZW544AALL | G-ASEK | MR081002 | R1 | CY7C1061AV33-12ZXC | 150 | -65 | 500 | 80 | 0 |
| ZW544AALL | G-ASEK | MR081002 | R1 | CY7C1061AV33-12ZXC | 150 | -65 | 1000 | 80 | 0 |
| ZW544AALL | G-TAIWAN | MR082034 | R1 | CY7C1069AV33-10ZXC | 150 | -65 | 500 | 80 | 0 |
| ZW544AALL | G-TAIWAN | MR082034 | R1 | CY7C1069AV33-10ZXC | 150 | -65 | 1000 | 79 | 0 |

Summary for Package Family : TSOP II (Pb-free) (42 records)

Sum **3,006** **0**

| | | | | | | | | | |
|-----------|-------|----------|----|------------------|-----|-----|-----|----|---|
| ZR28R2AGN | R-CML | MR073030 | R1 | CY62256LL-70ZRIT | 150 | -65 | 500 | 80 | 0 |
|-----------|-------|----------|----|------------------|-----|-----|-----|----|---|

Summary for Package Family : RTSOP (1 record)

Sum **80** **0**

| | | | | | | | | | |
|-----------|-------|----------|----|----------------|-----|-----|------|----|---|
| ZY28R2AGN | R-CML | MR073036 | R1 | CY7C4241-15JXC | 150 | -65 | 500 | 80 | 0 |
| ZY28R2AGN | R-CML | MR073036 | R1 | CY7C4241-15JXC | 150 | -65 | 1000 | 80 | 0 |

Summary for Package Family : RTSOP (Pb-free) (2 records)

Sum **160** **0**

| | | | | | | | | | |
|-----------|----------|-----------|----|---------------|-----|-----|------|----|---|
| Z0812TAGE | T-TAIWAN | MR074049 | R1 | CY2077ZC-111T | 150 | -65 | 500 | 80 | 0 |
| Z0812TAGE | T-TAIWAN | MR074049 | R1 | CY2077ZC-111T | 150 | -65 | 1000 | 80 | 0 |
| Z1611XAGB | M-PHILS | MR082033 | R1 | CY2308ZC-1H | 150 | -65 | 500 | 80 | 0 |
| Z1611XAGB | M-PHILS | MR082033 | R1 | CY2308ZC-1H | 150 | -65 | 1000 | 80 | 0 |
| Z1613GAGB | T-TAIWAN | MR074029 | R1 | CY2308ZC-1H | 150 | -65 | 500 | 80 | 0 |
| Z1613GAGB | T-TAIWAN | MR074029 | R1 | CY2308ZC-1H | 150 | -65 | 1000 | 80 | 0 |
| Z1619GAGN | RA-CML | AR0712032 | R1 | CY2309ZC-1HT | 150 | -65 | 1000 | 19 | 0 |
| Z1619GAGN | RA-CML | AR0713016 | R1 | CY2309ZC-1HT | 150 | -65 | 1000 | 17 | 0 |
| Z1619GAGN | RA-CML | AR0715030 | R1 | CY2309ZC-1HT | 150 | -65 | 1000 | 20 | 0 |
| Z1619GAGN | R-CML | AR0718042 | R1 | CY22393FC | 150 | -65 | 1000 | 18 | 0 |
| Z1619GAGN | RA-CML | AR0721023 | R1 | CY26121ZI-21T | 150 | -65 | 500 | 20 | 0 |
| Z1619GAGN | RA-CML | MR073011 | R1 | CY22050FI | 150 | -65 | 500 | 80 | 0 |
| Z1619GAGN | RA-CML | MR073011 | R1 | CY22050FI | 150 | -65 | 1000 | 80 | 0 |
| Z1619GAN | R-CML | AR0720028 | R1 | CY22393FC | 150 | -65 | 500 | 20 | 0 |
| Z1620GAGN | RA-CML | MR074010 | R1 | CY22393FC | 150 | -65 | 500 | 80 | 0 |
| Z1620GAGN | RA-CML | MR074010 | R1 | CY22393FC | 150 | -65 | 1000 | 80 | 0 |
| Z1620GAGN | RA-CML | MR081036 | R1 | CY2309ZC-1H | 150 | -65 | 500 | 76 | 0 |
| Z1620GAGN | RA-CML | MR081036 | R1 | CY2309ZC-1H | 150 | -65 | 1000 | 74 | 0 |
| Z1620GAGN | RA-CML | MR082029 | R1 | CY2309ZC-1H | 150 | -65 | 500 | 80 | 0 |
| Z1620GAGN | RA-CML | MR082029 | R1 | CY2309ZC-1H | 150 | -65 | 1000 | 80 | 0 |

Summary for Package Family : TSSOP (20 records)

| Sum | | | | | | | | 1,224 | 0 |
|------------------------|------------|-----------|-----|-----------------|-----|-----|------|-------|---|
| TSSOP (Pb-free) | | | | | | | | | |
| ZZ08 | VIGILANT | 72303 | R1 | CY24904ZXC | 150 | -65 | 500 | 76 | 0 |
| ZZ08 | VIGILANT | 72303 | R1 | CY24904ZXC | 150 | -65 | 1000 | 76 | 0 |
| ZZ08 | VIGILANT | 72303 | R2 | CY24904ZXC | 150 | -65 | 500 | 75 | 0 |
| ZZ08 | VIGILANT | 72303 | R2 | CY24904ZXC | 150 | -65 | 1000 | 75 | 0 |
| ZZ08 | VIGILANT | 72303 | R3 | CY24904ZXC | 150 | -65 | 500 | 74 | 0 |
| ZZ08 | VIGILANT | 72303 | R3 | CY24904ZXC | 150 | -65 | 1000 | 74 | 0 |
| ZZ0813AAAL | OSE-Taiwan | 64606 | R1 | CY2XP31ZXC | 150 | -65 | 300 | 50 | 0 |
| ZZ0813AAAL | OSE-Taiwan | 64606 | R1 | CY2XP31ZXC | 150 | -65 | 500 | 50 | 0 |
| ZZ0813AAAL | OSE-Taiwan | 64606 | R1 | CY2XP31ZXC | 150 | -65 | 1000 | 50 | 0 |
| ZZ0813AAAL | OSE-Taiwan | 64606 | R2 | CY2XP31ZXC | 150 | -65 | 300 | 50 | 0 |
| ZZ0813AAAL | OSE-Taiwan | 64606 | R2 | CY2XP31ZXC | 150 | -65 | 500 | 50 | 0 |
| ZZ0813AAAL | OSE-Taiwan | 64606 | R2 | CY2XP31ZXC | 150 | -65 | 1000 | 50 | 0 |
| ZZ0813AAAL | OSE-Taiwan | 64606 | R3 | CY2XP31ZXC | 150 | -65 | 300 | 50 | 0 |
| ZZ0813AAAL | OSE-Taiwan | 64606 | R3 | CY2XP31ZXC | 150 | -65 | 500 | 50 | 0 |
| ZZ0813AAAL | OSE-Taiwan | 64606 | R3 | CY2XP31ZXC | 150 | -65 | 1000 | 50 | 0 |
| ZZ1613HAN | T-OSE | MR082011 | R1 | CY2308ZXI-1HT | 150 | -65 | 500 | 80 | 0 |
| ZZ1613HAN | T-OSE | MR082011 | R1 | CY2308ZXI-1HT | 150 | -65 | 1000 | 80 | 0 |
| ZZ1614HAN | OSE-T | MR081011 | R1 | CY22395FXC | 150 | -65 | 500 | 79 | 0 |
| ZZ1614HAN | OSE-T | MR081011 | R1 | CY22395FXC | 150 | -65 | 1000 | 79 | 0 |
| ZZ1619GAL | RA-CML | AR0724026 | R1 | CY22388ZXC-13T | 150 | -65 | 500 | 20 | 0 |
| ZZ1619GAL | RA-CML | AR0724026 | R1 | CY22388ZXC-13T | 150 | -65 | 1000 | 20 | 0 |
| ZZ1619GAN | RA-CML | AR0710040 | R1 | CS6540AAT | 150 | -65 | 1000 | 20 | 0 |
| ZZ1619GAN | RA-CML | AR0713025 | R1 | CS6474AAT | 150 | -65 | 1000 | 20 | 0 |
| ZZ1619GAN | RA-CML | AR0716017 | R1 | CY22392FXC | 150 | -65 | 1000 | 20 | 0 |
| ZZ1619GAN | R-CML | AR0719021 | R1 | CY24204ZXC-3T | 150 | -65 | 500 | 16 | 0 |
| ZZ1619GAN | R-CML | AR0719021 | R1 | CY24204ZXC-3T | 150 | -65 | 1000 | 16 | 0 |
| ZZ1619GAN | R-CML | AR0719023 | R1 | CY22393FXCT | 150 | -65 | 500 | 20 | 0 |
| ZZ1619GAN | R-CML | AR0719023 | R1 | CY22393FXCT | 150 | -65 | 1000 | 20 | 0 |
| ZZ1619GAN | RA-CML | AR0722018 | R1 | CY2309ZXC-1HT | 150 | -65 | 500 | 17 | 0 |
| ZZ1619GAN | RA-CML | AR0722018 | R1 | CY2309ZXC-1HT | 150 | -65 | 1000 | 17 | 0 |
| ZZ1619GAN | RA-CML | MR071057 | R1A | CY2309ZXI-1H | 150 | -65 | 2000 | 78 | 0 |
| ZZ1619GAN | RA-CML | MR071057 | R1A | CY2309ZXI-1H | 150 | -65 | 2500 | 78 | 0 |
| ZZ1619GAN | RA-CML | MR071057 | R1A | CY2309ZXI-1H | 150 | -65 | 3500 | 78 | 0 |
| ZZ1619GAN | RA-CML | MR071057 | R1A | CY2309ZXI-1H | 150 | -65 | 4000 | 78 | 0 |
| ZZ1619GAN | RA-CML | MR071057 | R1A | CY2309ZXI-1H | 150 | -65 | 4500 | 78 | 0 |
| ZZ1619GAN | RA-CML | MR071057 | R1A | CY2309ZXI-1H | 150 | -65 | 5000 | 78 | 0 |
| ZZ1619GAN | RA-CML | MR073023 | R1 | CY22392ZXC-386 | 150 | -65 | 500 | 80 | 0 |
| ZZ1619GAN | RA-CML | MR073023 | R1 | CY22392ZXC-386 | 150 | -65 | 1000 | 80 | 0 |
| ZZ1619GAN | RA-CML | MR074013 | R1 | CY22393FXC | 150 | -65 | 500 | 79 | 0 |
| ZZ1619GAN | RA-CML | MR074013 | R1 | CY22393FXC | 150 | -65 | 1000 | 78 | 0 |
| ZZ1620GAN | RA-CML | 71801 | R1 | CY22050FZXI | 150 | -65 | 500 | 80 | 0 |
| ZZ1620GAN | RA-CML | 71801 | R2 | CY22050FZXI | 150 | -65 | 500 | 80 | 0 |
| ZZ1620GAN | RA-CML | 71801 | R2 | CY22050FZXI | 150 | -65 | 1000 | 80 | 0 |
| ZZ1620GAN | CML-RA | 82004 | R1 | CY23EP09ZXC-1HT | 150 | -65 | 500 | 73 | 0 |
| ZZ1620GAN | CML-RA | 82004 | R2 | CY23EP09ZXC | 150 | -65 | 500 | 76 | 0 |
| ZZ1620GAN | CML-RA | 82004 | R3 | CY23EP09ZXC-1HT | 150 | -65 | 500 | 77 | 0 |
| ZZ1620GAN | RA-CML | AR0746014 | R1 | CY23EP09ZXI-1H | 150 | -65 | 500 | 17 | 0 |
| ZZ1620GAN | RA-CML | AR0746014 | R1 | CY23EP09ZXI-1H | 150 | -65 | 1000 | 17 | 0 |
| ZZ1620GAN | RA-CML | MR081046 | R1 | CY22392ZXI-384 | 150 | -65 | 500 | 76 | 0 |
| ZZ1620GAN | RA-CML | MR081046 | R1 | CY22392ZXI-384 | 150 | -65 | 1000 | 75 | 0 |
| ZZ1620GAN | RA-CML | MR082032 | R1 | CY2308ZXI-1H | 150 | -65 | 500 | 80 | 0 |
| ZZ1620GAN | RA-CML | MR082032 | R1 | CY2308ZXI-1H | 150 | -65 | 1000 | 80 | 0 |
| ZZ2415GAL | RA-CML | 60909 | R4 | CY22315ZXCT | 150 | -65 | 500 | 44 | 0 |
| ZZ2415GAL | RA-CML | 60909 | R4 | CY22315ZXCT | 150 | -65 | 500 | 44 | 0 |
| ZZ2415GAL | CML-RA | NR072010 | R1 | CY22315ZXC | 150 | -65 | 500 | 80 | 0 |
| ZZ2415GAL | CML-RA | NR072010 | R1 | CY22315ZXC | 150 | -65 | 1000 | 80 | 0 |
| ZZ2817AGL | RA-CML | NR072006 | R1 | CY28517ZXC | 150 | -65 | 1000 | 80 | 0 |
| ZZ2817AGL | RA-CML | NR072006 | R2 | CY28547ZXC | 150 | -65 | 1000 | 76 | 0 |

| | | | | | | | | | |
|--|----------------------|----------|----|-------------------|-----|-----|------|--------------|-----------|
| ZZ5624BGN | R-CML | AR072005 | R1 | CY505YC56DTT | 150 | -65 | 500 | 15 | 0 |
| Summary for Package Family : TSSOP (Pb-free) (59 records) | | | | | | | | | |
| Sum | | | | | | | | 3,439 | 0 |
| FLIPCHIP CSP (Pb-Free) | | | | | | | | | |
| FN81AGAN | AU | NR081001 | R3 | CYWB0124ABX-FNXIT | 150 | -65 | 500 | 89 | 0 |
| FN81AGAN | AU | NR081001 | R3 | CYWB0124ABX-FNXIT | 150 | -65 | 1000 | 87 | 0 |
| FN81AGAN | AU | NR081001 | R4 | CYWB0124ABX-FNXIT | 150 | -65 | 500 | 84 | 0 |
| FN81AGAN | AU | NR081001 | R4 | CYWB0124ABX-FNXIT | 150 | -65 | 1000 | 79 | 0 |
| FN81AGAN | AU | NR081001 | R5 | CYWB0124ABX-FNXIT | 150 | -65 | 500 | 84 | 0 |
| FN81AGAN | AU | NR081001 | R5 | CYWB0124ABX-FNXIT | 150 | -65 | 1000 | 81 | 0 |
| FN81BGAN | AU - Amkor Taiwan | 80501 | R1 | CYWB0124ABX-FDXIT | 150 | -65 | 500 | 74 | 0 |
| FN81BGAN | AU - Amkor Taiwan | 80501 | R2 | CYWB0124ABX-FDXIT | 150 | -65 | 500 | 82 | 0 |
| FN81BGAN | AU - Amkor Taiwan | 80501 | R3 | CYWB0124ABX-FDXIT | 150 | -65 | 500 | 78 | 0 |
| Summary for Package Family : FLIPCHIP CSP (Pb-Free) (9 records) | | | | | | | | | |
| Sum | | | | | | | | 738 | 0 |
| | | | | | | | | ### | 63 |



Summary Detail -- HTS Performance Over Time

From: 7/2/2007
To: 6/29/2008

| Bldkit | Assy Site | EvalNum | TV | Device | Temp | Readout | SS | Rejects | FA | Results |
|--|-----------|----------|----|---------------------|------|---------|------------|----------|----|---------|
| CLCC | | | | | | | | | | |
| Summary for Package Family : CLCC (0 record) | | | | | | | | | | |
| Sum | | | | | | | 0 | 0 | | |
| FBGA (0.75-0.8, 0.3mm) | | | | | | | | | | |
| BA48BQAAL | RA-CML | MR073051 | R1 | CY62137CVSL-70BAIT | 150 | 500 | 80 | 0 | | |
| BA48BQAAL | RA-CML | MR074061 | R1 | CY62137CVSL-70BAIT | 150 | 1000 | 80 | 0 | | |
| BA48CDGALE | ASE-G | MR073003 | R1 | CY7C1041CV33-10BAC | 150 | 500 | 80 | 0 | | |
| BA48CDGALE | ASE-G | MR073003 | R1 | CY7C1041CV33-10BAC | 150 | 1000 | 80 | 0 | | |
| BA48CRALE | OSE-T | MR074046 | R1 | CY62137CVSL-70BAIT | 150 | 500 | 80 | 0 | | |
| BA48CRALE | T-TAIWAN | MR074068 | R1 | CY62137CVSL-70BAIT | 150 | 1000 | 80 | 0 | | |
| BA48CRALE | T-OSE | MR082018 | R1 | CY62137CVSL-70BAI | 150 | 500 | 80 | 0 | | |
| BA48CRALE | T-OSE | MR082018 | R1 | CY62137CVSL-70BAI | 150 | 1000 | 80 | 0 | | |
| Summary for Package Family : FBGA (0.75-0.8, 0.3mm) (8 records) | | | | | | | | | | |
| Sum | | | | | | | 640 | 0 | | |
| FBGA (0.75-0.8, 0.3mm, Pb-free) | | | | | | | | | | |
| BK48BQALL | RA-CML | MR073046 | R1 | CY62137CVSL-70BAXIT | 150 | 500 | 80 | 0 | | |
| BK48BWALL | G-TAIWAN | MR071045 | R1 | CY7C1021CV33-8BAXC | 150 | 500 | 80 | 0 | | |
| BK48BWALL | G-TAIWAN | MR072032 | R1 | CY7C1021CV33-10BAXI | 150 | 1000 | 80 | 0 | | |
| BK48BWALL | G-TAIWAN | MR073041 | R1 | CY7C1021CV33-10BAXI | 150 | 500 | 79 | 0 | | |
| BK48BWALL | G-TAIWAN | MR073041 | R1 | CY7C1021CV33-10BAXI | 150 | 1000 | 79 | 0 | | |
| BK48BWBLL | G-ASE | MR082010 | R1 | CY7C1021CV33-10BAXI | 150 | 1000 | 77 | 0 | | |
| BK48BWBLL | G-ASE | MR082010 | R1 | CY7C1021CV33-10BAXI | 150 | 500 | 77 | 0 | | |
| BK48CPBGL | G-TAIWAN | MR074056 | R1 | CY7C67200-48BAXIT | 150 | 1000 | 80 | 0 | | |
| BK60AAALE | G-TAIWAN | MR082069 | R1 | CY7C1061AV33-10BAXI | 150 | 1000 | 80 | 0 | | |
| BK60AAALE | G-TAIWAN | MR082069 | R1 | CY7C1061AV33-10BAXI | 150 | 500 | 80 | 0 | | |
| Summary for Package Family : FBGA (0.78-0.8, 0.3mm, Pb-free) (10 records) | | | | | | | | | | |
| Sum | | | | | | | 792 | 0 | | |
| FBGA (1.0) | | | | | | | | | | |
| BB100CAALE | G-ASE | MR081067 | R1 | CYP15G0101DXB-BBI | 150 | 500 | 80 | 0 | | |
| BB100CAALE | G-ASE | MR081067 | R1 | CYP15G0101DXB-BBI | 150 | 1000 | 80 | 0 | | |
| BB100EAALE | ASE-G | MR073001 | R1 | CY7B994V-2BBI | 150 | 500 | 80 | 0 | | |
| BB100EAALE | ASE-G | MR073001 | R1 | CY7B994V-2BBI | 150 | 1000 | 80 | 0 | | |
| BB100EAALE | G-TAIWAN | MR082041 | R1 | CY7B994V-2BBI | 150 | 1000 | 76 | 0 | | |
| BB100EAALE | G-TAIWAN | MR082041 | R1 | CY7B994V-2BBI | 150 | 500 | 80 | 0 | | |
| BB144CALE | G-TAIWAN | NR072030 | R1 | CY7C08313AV-167BBC | 150 | 1000 | 50 | 0 | | |
| BB144CALE | G-TAIWAN | NR072030 | R1 | CY7C08313AV-167BBC | 150 | 500 | 50 | 0 | | |
| BB144CALE | G-TAIWAN | NR072030 | R2 | CY7C0830AV-167BBC | 150 | 500 | 50 | 0 | | |
| BB144CALE | G-TAIWAN | NR072030 | R2 | CY7C0830AV-167BBC | 150 | 1000 | 50 | 0 | | |
| BB165 | RA-CML | MR074047 | R1 | CY7C1313BV18-250BZC | 150 | 1000 | 80 | 0 | | |

| | | | | | | | | | |
|---|---------------|----------|-----|----------------------|-----|-------|----|--------------|----------|
| BB165AVLE | CML-RA | MR074047 | R1 | CY7C1313BV18-250BZC | 150 | 500 | 80 | 0 | |
| BB165AVLE | RA-CML | MR082070 | R1 | CY7C1313BV18-250BZC | 150 | 1000 | 78 | 0 | |
| BB165AVLE | RA-CML | MR082070 | R1 | CY7C1313BV18-250BZC | 150 | 500 | 80 | 0 | |
| BB165AVLE | RA-CML | NR072019 | R13 | CY7C1313BV18-250BZC | 150 | 500 | 50 | 0 | |
| BB165AVLE | RA-CML | NR072019 | R13 | CY7C1313BV18-250BZC | 150 | 1000 | 50 | 0 | |
| BB165AVLE | RA-CML | NR072019 | R14 | CY7C1313BV18-250BZC | 150 | 500H | 80 | 0 | |
| BB165AVLE | RA-CML | NR072019 | R14 | CY7C1313BV18-250BZC | 150 | 1000H | 80 | 0 | |
| BB165AVLE | RA-CML | NR072019 | R3 | CY7C1313BV18-250BZC | 150 | 1000 | 50 | 0 | |
| BB165AVLE | RA-CML | NR072019 | R3 | CY7C1313BV18-250BZC | 150 | 500 | 50 | 0 | |
| BB165AVLE | RA-CML | NR073007 | R1 | CY7C1313BV18-250BZC | 150 | 1000 | 77 | 0 | |
| BB165AVLE | RA-CML | NR073007 | R1 | CY7C1313BV18-250BZC | 150 | 500 | 77 | 0 | |
| BB165AVLE | RA-CML | NR073007 | R2 | CY7C1313BV18-250BZC | 150 | 500 | 77 | 0 | |
| BB165AVLE | RA-CML | NR073007 | R2 | CY7C1313BV18-250BZC | 150 | 1000 | 77 | 0 | |
| BB172AAGE | G-TAIWAN | NR072027 | R1 | CY7C057V-15BBC | 150 | 1000 | 50 | 0 | |
| BB172AAGE | G-TAIWAN | NR072027 | R2 | CY7C057V-12BBC | 150 | 1000 | 50 | 0 | |
| BB172AAGE | G-TAIWAN | NR072027 | R3 | CY7C057V-15BBI | 150 | 1000 | 50 | 0 | |
| BB209BALE | G-TAIWAN | NR072022 | R1 | CY7C1474V33-167BGC | 150 | 1000 | 47 | 0 | |
| Summary for Package Family : FBGA (1.0) (28 records) | | | | | | | | | |
| Sum | | | | | | | | 1,859 | 0 |
| FBGA (1.0, Pb-free) | | | | | | | | | |
| BW165YALL | TAIWAN-G | 71211 | R4 | CY7C1512V18 | 150 | 500 | 80 | 0 | |
| Summary for Package Family :FBGA (1.0, Pb-free) (1 record) | | | | | | | | | |
| Sum | | | | | | | | 80 | 0 |
| VFBGA (0.75-0.8, 0.3mm) | | | | | | | | | |
| BV48AMAAL | G-TAIWAN | MR073035 | R1 | CY62136CV30LL-55BVI | 150 | 500 | 80 | 0 | |
| BV48BAAAL | G-TAIWAN | MR074003 | R1 | CG6601AA | 150 | 1000 | 80 | 0 | |
| BV48BAAAL | G-TAIWAN | MR074003 | R1 | CG6601AA | 150 | 500 | 80 | 0 | |
| BV48CJALL | RA-CML | MR074025 | R1 | CY62167DV30LL-70BVI | 150 | 500 | 80 | 0 | |
| BV48CJALL | RA-CML | MR074025 | R1 | CY62167DV30LL-70BVI | 150 | 1000 | 80 | 0 | |
| Summary for Package Family : VFBGA (0.75-0.8, 0.3mm) (5 records) | | | | | | | | | |
| Sum | | | | | | | | 400 | 0 |
| VFBGA (0.75-0.8, 0.3mm, Pb-free) | | | | | | | | | |
| BZ100BAALL | G-TAIWAN | MR074035 | R1 | CYDM128A16-65BVXI | 150 | 500 | 80 | 0 | |
| BZ100BAALL | G-TAIWAN | MR081044 | R1 | CYDM128B16-55BVXI | 150 | 500 | 78 | 0 | |
| BZ100CGAL | RA-CML | MR074017 | R1 | CYWB0124AB-BVXIT | 150 | 500 | 80 | 0 | |
| BZ100CGAL | RA-CML | MR074017 | R1 | CYWB0124AB-BVXIT | 150 | 1000 | 80 | 0 | |
| BZ100CGAL | RA-CML | MR081018 | R1 | CYWB0124AB-BVXI | 150 | 500 | 80 | 0 | |
| BZ100CGAL | RA-CML | MR081018 | R1 | CYWB0124AB-BVXI | 150 | 1000 | 80 | 0 | |
| BZ100CGAL | RA-CML | MR082027 | R1 | CYWB0124AB-BVXI | 150 | 1000 | 79 | 0 | |
| BZ100CGAL | RA-CML | MR082027 | R1 | CYWB0124AB-BVXI | 150 | 500 | 80 | 0 | |
| BZ100FAAGL | AIT-INDONESIA | NR073001 | R1 | CYWB0124AB-BVXI | 150 | 500 | 80 | 0 | |
| BZ100FAAGL | AIT-INDONESIA | NR073001 | R1 | CYWB0124AB-BVXI | 150 | 1000 | 80 | 0 | |
| BZ100FAAGL | AIT-INDONESIA | NR073001 | R2 | CYWB0124AB-BVXI | 150 | 500 | 80 | 0 | |
| BZ100FAAGL | AIT-INDONESIA | NR073001 | R2 | CYWB0124AB-BVXI | 150 | 100 | 80 | 0 | |
| BZ100FAAGL | AIT-INDONESIA | NR073001 | R3 | CYWB0124AB-BVXI | 150 | 500 | 80 | 0 | |
| BZ100FAAGL | AIT-INDONESIA | NR073001 | R3 | CYWB0124AB-BVXI | 150 | 1000 | 80 | 0 | |
| BZ48ABAAGL | AIT-INDONESIA | NR072005 | R1 | CYK256K16SCBU | 150 | 1000 | 76 | 0 | |
| BZ48ABAAGL | AIT-INDONESIA | NR072005 | R2 | CYK256K16SCBU-70BVXI | 150 | 1000 | 73 | 0 | |

| | | | | | | | | |
|------------|---------------|----------|----|----------------------|-----|------|----|---|
| BZ48ABAAGL | AIT-INDONESIA | NR072005 | R3 | CYK256K16SCBU | 150 | 1000 | 72 | 0 |
| BZ48BBAALL | AIT-INDONESIA | 72302 | R1 | CY62167DV30LL-70BVXI | 150 | 500 | 77 | 0 |
| BZ48BBAALL | AIT-INDONESIA | 72302 | R1 | CY62167DV30LL-70BVXI | 150 | 1000 | 76 | 0 |
| BZ48CEAALL | G-TAIWAN | MR074055 | R1 | CY62147EV30LL-45BVXI | 150 | 1000 | 80 | 0 |
| BZ48CHAALL | ASE-G | MR073005 | r1 | CY62126EV30LL-45BVXI | 150 | 500 | 80 | 0 |
| BZ48CHAALL | ASE-G | MR073005 | r1 | CY62126EV30LL-45BVXI | 150 | 1000 | 80 | 0 |
| BZ48CQAALL | G-TAIWAN | MR082047 | R1 | CY62137FV30LL-45BVXI | 150 | 500 | 80 | 0 |
| BZ48CQAALL | G-TAIWAN | MR082047 | R1 | CY62137FV30LL-45BVXI | 150 | 1000 | 79 | 0 |
| BZ48DAGLL | RA-CML | MR081019 | R1 | CY62137FV30LL-45BVXI | 150 | 500 | 80 | 0 |
| BZ48DAGLL | RA-CML | MR081019 | R1 | CY62137FV30LL-45BVXI | 150 | 1000 | 80 | 0 |
| BZ48DAGLL | RA-CML | MR082001 | R1 | CY62137FV30LL-45BVXI | 150 | 1000 | 79 | 0 |
| BZ48DAGLL | RA-CML | MR082001 | R1 | CY62137FV30LL-45BVXI | 150 | 500 | 79 | 0 |
| BZ56AGAGL | G-TAIWAN | MR072018 | R1 | CY7C68013A-56BAXC | 150 | 1000 | 80 | 0 |
| BZ56AGAGL | G-TAIWAN | MR074057 | R1 | CY7C68013-56BAXC | 150 | 500 | 80 | 0 |
| BZ56AGAGL | G-TAIWAN | MR074057 | R1 | CY7C68013-56BAXC | 150 | 1000 | 80 | 0 |
| BZ56AGAL | G-TAIWAN | MR082035 | R1 | CY7C68013A-56BAXC | 150 | 500 | 80 | 0 |
| BZ56AGAL | G-TAIWAN | MR082035 | R1 | CY7C68013A-56BAXC | 150 | 1000 | 80 | 0 |
| BZ56FAALE | ASE-G | MR081037 | R1 | CY7C68053-56BAX | 150 | 500 | 80 | 0 |
| BZ56FAALE | ASE-G | MR081037 | R1 | CY7C68053-56BAX | 150 | 1000 | 80 | 0 |
| BZ56GABGL | RA-CML | NR072032 | R1 | 7C680510AC-RABZI | 150 | 500 | 45 | 0 |
| BZ56GABGL | RA-CML | NR072032 | R1 | 7C680510AC-RABZI | 150 | 1000 | 45 | 0 |
| BZ56GABGL | RA-CML | NR072032 | R2 | CY7C68053-56BAXI | 150 | 500 | 45 | 0 |
| BZ56GABGL | RA-CML | NR072032 | R2 | CY7C68053-56BAXI | 150 | 1000 | 45 | 0 |
| BZ56GABGL | RA-CML | NR072032 | R3 | CY7C68053-56BAXI | 150 | 500 | 45 | 0 |
| BZ56GABGL | RA-CML | NR072032 | R3 | CY7C68053-56BAXI | 150 | 1000 | 42 | 0 |
| BZ56IAAAGL | AT-TAIWAN | MR074053 | R1 | CY7C68053-56BAXIT | 150 | 500 | 80 | 0 |
| BZ56IAAAGL | AT-TAIWAN | MR074053 | R1 | CY7C68053-56BAXIT | 150 | 1000 | 80 | 0 |
| BZ56IAAAGL | AIT-INDONESIA | MR081053 | R1 | CY7C68053-56BAXI | 150 | 500 | 80 | 0 |
| BZ56IAAAGL | AIT-INDONESIA | MR081053 | R1 | CY7C68053-56BAXI | 150 | 1000 | 80 | 0 |
| BZ56IAAAGL | AT-INDONESIA | NR072003 | R1 | CY7C68053*56BAXI | 165 | 1000 | 80 | 0 |
| BZ56IAAAGL | AIT-Indonesia | NR072003 | R2 | CY7C68053-56BAXI | 150 | 1000 | 80 | 0 |
| BZ56IAAAGL | AIT-INDONESIA | NR072003 | R3 | CY7C68053-56BAXI | 150 | 1000 | 50 | 0 |

Summary for Package Family : VFBGA (0.75-0.8, 0.3mm, Pb-free) (48 records)

Sum 3,565 0

PBGA (1.27)

| | | | | | | | | |
|-----------|----------|----------|----|-------------------|-----|------|----|---|
| BG119JALE | G-TAIWAN | MR081047 | R1 | CY7C1021AV33-8BGC | 150 | 1000 | 80 | 0 |
| BG119JALE | G-TAIWAN | MR081047 | R1 | CY7C1021AV33-8BGC | 150 | 500 | 80 | 0 |
| BG119SALE | G-TAIWAN | MR073002 | R1 | CY7C1354C-166BGC | 150 | 500 | 80 | 0 |
| BG119SALE | G-TAIWAN | MR073002 | R1 | CY7C1354C-166BGC | 150 | 1000 | 80 | 0 |
| BG119SALE | G-TAIWAN | MR074032 | R1 | CY7C1354C-166BGC | 150 | 500 | 80 | 0 |
| BG119SALE | G-ASE | MR082021 | R1 | CY7C1354C-166BGC | 150 | 500 | 80 | 0 |
| BG119SALE | G-ASE | MR082021 | R1 | CY7C1354C-166BGC | 150 | 1000 | 80 | 0 |

Summary for Package Family : PBGA (1.27) (7 records)

Sum 560 0

PBGA (Cavity/Heatsink)

BL256L2GE

Summary for Package Family : PBGA (Cavity/Heatsink) (0 record)

Sum 0 0

PDIP

Summary for Package Family : PDIP (0 record)

| | | | | | | | | |
|-----------------------|-------------|----------|----|------------------|-----|------|----------|----------|
| Sum | | | | | | | 0 | 0 |
| PDIP (Pb-free) | | | | | | | | |
| PZ183DAGN | RA-CML | MR072027 | R1 | CY7C63723C-PXC | 150 | 1000 | 80 | 0 |
| PZ183DAGN | RA-CML | MR073050 | R1 | CY7C63723C-PXC | 150 | 500 | 80 | 0 |
| PZ183DAGN | RA-CML | MR073050 | R1 | CY7C63723C-PXC | 150 | 1000 | 80 | 0 |
| PZ183DAGN | RA-CML | MR081069 | R1 | CY7C63723C-PXC | 150 | 500 | 80 | 0 |
| PZ183DAGN | RA-CML | MR081069 | R1 | CY7C63723C-PXC | 150 | 1000 | 80 | 0 |
| PZ183DAGN | RA-CML | MR082065 | R1 | CY7C63723C-PXC | 150 | 1000 | 80 | 0 |
| PZ183DAGN | RA-CML | MR082065 | R1 | CY7C63723C-PXC | 150 | 500 | 80 | 0 |
| PZ203CHAN | O-INDONESIA | MR072035 | R1 | CY8C26233-24PXI | 150 | 1000 | 80 | 0 |
| PZ283EHAL | O-INDS | MR073018 | R1 | CY8C24423A-24PXI | 150 | 1000 | 77 | 0 |

Summary for Package Family : PDIP (Pb-free) (9 records)

| | | | | | | | | |
|------------|--|--|--|--|--|--|------------|----------|
| Sum | | | | | | | 717 | 0 |
|------------|--|--|--|--|--|--|------------|----------|

| | | | | | | | | |
|-------------|------------|----------|----|----------------|-----|------|----|---|
| PLCC | | | | | | | | |
| J32RBGAAGB | X-INDS | MR073044 | R1 | CY7B992-5JIT | 150 | 500 | 80 | 0 |
| J32RBGAAGB | X-THAILAND | MR074037 | R1 | CY7C429-15JC | 150 | 500 | 80 | 0 |
| J32RBGAAGB | X-THAILAND | MR074037 | R1 | CY7C429-15JC | 150 | 1000 | 80 | 0 |
| J32RBGAAGB | MMT-X | MR081030 | R1 | CY7C4231V-15JC | 150 | 1000 | 80 | 0 |
| J32RBGAAGB | MMT-X | MR081030 | R1 | CY7C4231V-15JC | 150 | 500 | 80 | 0 |
| J32RBGAAGB | X-MMT | MR082017 | R1 | CY7B9911V-5JCT | 150 | 500 | 80 | 0 |
| J32RBGAAGB | X-MMT | MR082017 | R1 | CY7B9911V-5JCT | 150 | 1000 | 80 | 0 |

Summary for Package Family : PLCC (7 records)

| | | | | | | | | |
|------------|--|--|--|--|--|--|------------|----------|
| Sum | | | | | | | 560 | 0 |
|------------|--|--|--|--|--|--|------------|----------|

| | | | | | | | | |
|-----------------------|---------------|----------|----|----------------|-----|------|----|---|
| PLCC (Pb-free) | | | | | | | | |
| JZ32RBGAN | M-PHILS | MR073043 | R1 | CY7C4241-15JXC | 150 | 500 | 80 | 0 |
| JZ32RBGAN | M-PHILS | MR073043 | R1 | CY7C4241-15JXC | 150 | 1000 | 80 | 0 |
| JZ32RBGAN | M-PHILS | MR074011 | R1 | CY7C4241-15JXC | 150 | 1000 | 80 | 0 |
| JZ32RBGAN | M-PHIL | MR074011 | R1 | CY7C4241-15JXC | 150 | 500 | 80 | 0 |
| JZ32RBGAN | M-PHIL | MR074011 | R2 | CY7C421-20JXC | 150 | 500 | 80 | 0 |
| JZ32RBGAN | M-PHIL | MR074011 | R2 | CY7C421-20JXC | 150 | 1000 | 80 | 0 |
| JZ32RBGAN | M-PHILIPPINES | MR081063 | R1 | CY7B991-5JXC | 150 | 1000 | 80 | 0 |
| JZ32RBGAN | M-PHILIPPINES | MR081063 | R1 | CY7B991-5JXC | 150 | 500 | 80 | 0 |
| JZ52SFGAN | M-PHILS | MR081035 | R1 | CY7C136-55JXC | 150 | 500 | 80 | 0 |
| JZ52SFGAN | M-PHILS | MR081035 | R1 | CY7C136-55JXC | 150 | 1000 | 80 | 0 |

Summary for Package Family : PLCC (11 records)

| | | | | | | | | |
|------------|--|--|--|--|--|--|------------|----------|
| Sum | | | | | | | 800 | 0 |
|------------|--|--|--|--|--|--|------------|----------|

| | | | | | | | | |
|-----------------------|----------|----------|----|---------------|-----|------|----|---|
| PQFP (Pb-free) | | | | | | | | |
| NZ52DXGAN | G-TAIWAN | MR073059 | R1 | CY7C131-55NXC | 150 | 500 | 80 | 0 |
| NZ52DXGAN | G-TAIWAN | MR074004 | R1 | CY7C136-55NXC | 150 | 500 | 80 | 0 |
| NZ52DXGAN | G-TAIWAN | MR074004 | R1 | CY7C136-55NXC | 150 | 1000 | 80 | 0 |
| NZ52DXGAN | G-ASEK | MR081004 | R1 | CY7C136-55NXC | 150 | 1000 | 79 | 0 |
| NZ52DXGAN | G-ASEK | MR081004 | R1 | CY7C136-55NXC | 150 | 500 | 79 | 0 |
| NZ52DXGAN | G-ASE | MR082061 | R1 | CY7C131-25NXC | 150 | 500 | 80 | 0 |
| NZ52DXGAN | G-ASE | MR082061 | R1 | CY7C131-25NXC | 150 | 1000 | 80 | 0 |

Summary for Package Family : PQFP (Pb-free) (7 records)

| | | | | | | | | |
|------------|--|--|--|--|--|--|------------|----------|
| Sum | | | | | | | 558 | 0 |
|------------|--|--|--|--|--|--|------------|----------|

| | | | | | | | | |
|-----------------------------------|-------|----------|----|-----------------|-----|------|----|---|
| QFN (Open Cavity, Pb-free) | | | | | | | | |
| LB42ABALL | R-CML | NR081004 | R1 | CYONS10810-LBXC | 100 | 1000 | 77 | 0 |
| LB42ABALL | R-CML | NR081004 | R1 | CYONS10810-LBXC | 100 | 500 | 77 | 0 |
| LB42ABALL | R-CML | NR081004 | R2 | CYONS10810-LBXC | 100 | 500 | 77 | 0 |
| LB42ABALL | R-CML | NR081004 | R2 | CYONS10810-LBXC | 100 | 1000 | 77 | 0 |
| LB42ABALL | R-CML | NR081004 | R3 | CYONS10810-LBXC | 100 | 1000 | 77 | 0 |
| LB42ABALL | R-CML | NR081004 | R3 | CYONS10810-LBXC | 100 | 500 | 77 | 0 |

Summary for Package Family : QFN (Open Cavity, Pb-free) (6 records)

| | | | | | | | | |
|------------|--|--|--|--|--|--|------------|----------|
| Sum | | | | | | | 462 | 0 |
|------------|--|--|--|--|--|--|------------|----------|

| | | | | | | | | |
|--|---------|----------|----|-------------------|-----|------|----|---|
| QFN (COL, 0.6mm, Saw Type, Pb-Free) | | | | | | | | |
| LG16AAAAAL | M-PHILS | MR074031 | R1 | CY8C20234-12LKXIT | 150 | 1000 | 80 | 0 |
| LG16AAAAAL | M-PHILS | MR074031 | R1 | CY8C20234-12LKXIT | 150 | 500 | 80 | 0 |
| LG16AAAAAL | M-PHILS | MR081027 | R1 | CY8C20234-12LKXI | 150 | 1000 | 80 | 0 |
| LG16AAAAAL | M-PHILS | MR081027 | R1 | CY8C20234-12LKXI | 150 | 500 | 80 | 0 |
| LG16AAAAAL | M-PHILS | MR082028 | R1 | CY8C20234-12LKXI | 150 | 1000 | 80 | 0 |

| | | | | | | | | | |
|---|-------------|----------|-----|------------------|-----|-------|----|--------------|----------|
| LG16AAAAAL | M-PHILS | MR082028 | R1 | CY8C20234-12LKXI | 150 | 500 | 80 | 0 | |
| Summary for Package Family : QFN (COL, 0.6mm, Saw Type, Pb-free) (6 records) | | | | | | | | | |
| Sum | | | | | | | | 480 | 0 |
| QFN (0.4mm, Saw Type, Pb-free) | | | | | | | | | |
| LN32AAAAAL | CA-Malaysia | 82008 | R1 | CY8C21434-24LCXI | 150 | 500 | 77 | 0 | |
| Summary for Package Family : QFN (COL, 0.6mm, Saw Type, Pb-free) (1 record) | | | | | | | | | |
| Sum | | | | | | | | 77 | 0 |
| QFN (Punch Type, Pb-free) | | | | | | | | | |
| LY32AAAGR | L-KOREA | MR081013 | R1 | CY8C21434-24LFXI | 150 | 500 | 80 | 0 | |
| LY32AAAGR | L-KOREA | MR081013 | R1 | CY8C21434-24LFXI | 150 | 1000 | 80 | 0 | |
| LY32AAAGR | L-KOREA | MR082048 | R1 | CG6672AMT | 150 | 500 | 80 | 0 | |
| LY32AAAGR | L-KOREA | MR082048 | R1 | CG6672AMT | 150 | 1000 | 80 | 0 | |
| LY32AGAGL | L-KOREA | NR072004 | R1 | CP6631AM | 150 | 1000 | 79 | 0 | |
| LY32AGAGL | L-KOREA | NR072004 | R2 | CP6621AM | 150 | 1000 | 80 | 0 | |
| LY32AGAGL | L-KOREA | NR072004 | R3 | CS6624AA | 150 | 1000 | 80 | 0 | |
| LY56AGAGL | L-KOREA | MR072019 | R1 | CY7C62640A-LFXC | 150 | 1000 | 71 | 0 | |
| LY56AGAGL | L-KOREA | MR073056 | R1 | CY7C65630-56LFCT | 150 | 500 | 80 | 0 | |
| LY56AGAGL | L-KOREA | MR073056 | R1 | CY7C65630-56LFCT | 150 | 1000 | 80 | 0 | |
| LY56AGAGL | L-KOREA | MR081028 | R1 | CY7C65630-56LFXC | 150 | 500 | 80 | 0 | |
| LY56AGAGL | L-KOREA | MR081028 | R1 | CY7C65630-56LFXC | 150 | 1000 | 80 | 0 | |
| LY56AGAGL | L-KOREA | MR082031 | R1 | CY7C65630-56LFXC | 150 | 1000 | 80 | 0 | |
| LY56AGAGL | L-KOREA | MR082031 | R1 | CY7C65630-56LFXC | 150 | 500 | 80 | 0 | |
| LY56DGAGL | L-KOREA | MR074021 | R1 | CY7C64215-56LFXC | 150 | 500 | 80 | 0 | |
| Summary for Package Family : QFN (Punch Type, Pb-free) (15 records) | | | | | | | | | |
| Sum | | | | | | | | 1,190 | 0 |
| QFN (0.6mm, Punch Type, Pb-free) | | | | | | | | | |
| LK32AABAGL | L-SEOUL | MR074006 | R1 | CY8C20434-12LKXI | 150 | 500 | 80 | 0 | |
| LK32AABAGL | L-SEOUL | MR074006 | R1 | CY8C20434-12LKXI | 150 | 1000 | 72 | 0 | |
| LK32AABAGL | L-KOREA | MR074043 | R1 | CY8C20434-12LKXI | 150 | 500 | 54 | 0 | |
| LK32AABAGL | L-KOREA | MR074043 | R1 | CY8C20434-12LKXI | 150 | 1000 | 54 | 0 | |
| LK32AABAGL | L-KOREA | MR081039 | R1 | CY8C20434-12LKXI | 150 | 500 | 80 | 0 | |
| LK32AABAGL | L-KOREA | MR081039 | R1 | CY8C20434-12LKXI | 150 | 1000 | 80 | 0 | |
| LK32AABAGL | L-KOREA | MR082022 | R1 | CY8C20434-12LKXI | 150 | 500 | 80 | 0 | |
| LK32AABAGL | L-KOREA | MR082022 | R1 | CY8C20434-12LKXI | 150 | 1000 | 80 | 0 | |
| LK32AABAGL | L-KOREA | NR072004 | R1 | CY8C20434-12LKXI | 150 | 500 | 80 | 0 | |
| LK32AABAGL | L-KOREA | NR072004 | R1 | CY8C20434-12LKXI | 150 | 1000 | 80 | 0 | |
| LK32AABAGL | L-KOREA | NR072004 | R2 | CY8C20424-12LKXI | 150 | 1000 | 77 | 0 | |
| LK32AABGL | L-KOREA | MR074043 | R1A | CY8C20434-12LKXI | 150 | 500 | 24 | 0 | |
| LK32AABGL | L-KOREA | MR074043 | R1A | CY8C20434-12LKXI | 150 | 1000 | 24 | 0 | |
| LK32IGAGL | RA-CML | MR072041 | R1 | CS6655AAT | 150 | 1000 | 65 | 0 | |
| LK32IGAGL | RA-CML | MR074024 | R1 | CP6745AMT | 150 | 500 | 80 | 0 | |
| LK32IGAGL | RA-CML | MR074024 | R1 | CP6745AMT | 150 | 1000 | 68 | 0 | |
| LK32AABAGL | L-KOREA | NR072004 | R3 | CP6683AM | 150 | 1000 | 80 | 0 | |
| Summary for Package Family : QFN (Punch Type, 0.6mm, Pb-free) (17 records) | | | | | | | | | |
| Sum | | | | | | | | 1,158 | 0 |
| QFN (Saw Type, Pb-free) | | | | | | | | | |
| LT32BAAAGL | CA-MALAYSIA | NR082002 | R1 | CY8C21434-24LTXI | 150 | 1000H | 77 | 0 | |
| LT32BAAAGL | CA-MALAYSIA | NR082002 | R1 | CY8C21434-24LTXI | 150 | 500H | 77 | 0 | |
| LT32BAAAGL | CA-MALAYSIA | NR082002 | R2 | CY8C21434-24LTXI | 150 | 500H | 77 | 0 | |
| LT32BAAAGL | CA-MALAYSIA | NR082002 | R2 | CY8C21434-24LTXI | 150 | 1000H | 77 | 0 | |
| LT32BAAGL | CA-MALAYSIA | NR082002 | R3 | CY8C21434-24LTXI | 150 | 1000H | 77 | 0 | |
| LT32BAAGL | CA-MALAYSIA | NR082002 | R3 | CY8C21434-24LTXI | 150 | 500H | 77 | 0 | |
| Summary for Package Family : QFN (Saw Type, Pb-free) (6 records) | | | | | | | | | |
| Sum | | | | | | | | 462 | 0 |
| QFN (0.6mm, Saw Type, Pb-Free) | | | | | | | | | |
| LQ24ABAAL | AT-IND | MR074008 | R1 | CP6705ATT | 150 | 500 | 80 | 0 | |
| LQ24ABAAL | AT-IND | MR074008 | R1 | CP6705ATT | 150 | 1000 | 80 | 0 | |
| LQ24ABAAL | AIT-INDS | MR081014 | R1 | CY8C20334-12LQXI | 150 | 500 | 80 | 0 | |
| LQ24ABAAL | AIT-INDS | MR081014 | R1 | CY8C20334-12LQXI | 150 | 1000 | 80 | 0 | |
| LQ24ABAAL | AT-INDNS | MR082030 | R1 | CY8C20334-12LQXI | 150 | 500 | 80 | 0 | |
| LQ24ABAAL | AT-INDNS | MR082030 | R1 | CY8C20334-12LQXI | 150 | 1000 | 80 | 0 | |

| | | | | | | | | |
|---|-----------------|----------|-----|-------------------|-----|------|--------------|----------|
| LQ24ABAAL | AT-INDONESIA | NR073002 | R1A | CY8C20334-12LQXI | 150 | 1000 | 80 | 0 |
| LQ24ABAAL | AIT-INDONESIA | NR074003 | R1 | CY8C20334-12LQXI | 150 | 1000 | 79 | 0 |
| LQ24ABAAL | AIT-INDONESIA | NR074003 | R2 | CY8C20334-12LQXI | 150 | 1000 | 80 | 0 |
| LQ24ABAAL | AIT-INDONESIA | NR074003 | R3 | CP6785AM | 150 | 500 | 80 | 0 |
| LQ24ABAAL | AIT-INDONESIA | NR074003 | R3 | CP6785AM | 150 | 1000 | 80 | 0 |
| LQ32CAAAL | CARSEM MALAYSIA | 72202 | R1 | CY8C21434A-24LQXI | 150 | 1000 | 77 | 0 |
| Summary for Package Family : QFN (Saw Type, 0.6mm, Pb-free) (12 records) | | | | | | | | |
| Sum | | | | | | | 956 | 0 |
| QSOP (Pb-free) | | | | | | | | |
| SQ2012AGN | R-CML | MR074050 | R1 | CY24745OXC | 150 | 500 | 79 | 0 |
| SQ2012AGN | R-CML | MR074050 | R1 | CY24745OXC | 150 | 1000 | 78 | 0 |
| SQ2414AGN | R-CML | MR081031 | R1 | CY7C63723-QXC | 150 | 500 | 79 | 0 |
| SQ2414AGN | R-CML | MR081031 | R1 | CY7C63723-QXC | 150 | 1000 | 79 | 0 |
| SQ2414AGN | R-CML | MR082036 | R1 | CY7C63823-QXC | 150 | 1000 | 80 | 0 |
| SQ2414AGN | R-CML | MR082036 | R1 | CY7C63823-QXC | 150 | 500 | 80 | 0 |
| Summary for Package Family : QSOP (Pb-free) (6 records) | | | | | | | | |
| Sum | | | | | | | 475 | 0 |
| SNC | | | | | | | | |
| Summary for Package Family : SNC (0 record) | | | | | | | | |
| Sum | | | | | | | 0 | 0 |
| SNC (Pb-free) | | | | | | | | |
| SY2831AHN | R-CML | MR074058 | R1 | CY6264-55SNXI | 150 | 500 | 80 | 0 |
| SY2831AHN | R-CML | MR074058 | R1 | CY6264-55SNXI | 150 | 1000 | 80 | 0 |
| SY2831BBLN | R-CML | MR081048 | R1 | CY62256NLL-55SNXI | 150 | 500 | 80 | 0 |
| SY2831BBLN | R-CML | MR081048 | R1 | CY62256NLL-55SNXI | 150 | 1000 | 80 | 0 |
| SY2831BBLN | R-CML | MR081059 | R1 | CY62256NLL-55SNXI | 150 | 500 | 78 | 0 |
| SY2831BBLN | R-CML | MR081059 | R1 | CY62256NLL-55SNXI | 150 | 1000 | 78 | 0 |
| SY2831BBLN | R-CML | MR082037 | R1 | CY62256NLL-70SNXC | 150 | 500 | 80 | 0 |
| SY2831BBLN | R-CML | MR082037 | R1 | CY62256NLL-70SNXC | 150 | 1000 | 80 | 0 |
| SY2831BLN | R-CML | MR073014 | R1 | CY62256NLL-70SNXC | 150 | 500 | 80 | 0 |
| SY2831BLN | R-CML | MR073014 | R1 | CY62256NLL-70SNXC | 150 | 1000 | 79 | 0 |
| Summary for Package Family : SNC (Pb-free) (10 records) | | | | | | | | |
| Sum | | | | | | | 795 | 0 |
| SOIC | | | | | | | | |
| S0815BAAGB | O-INDS | MR073020 | R1 | CY2304SC-2T | 150 | 1000 | 77 | 0 |
| S0815BAAGB | O-TAIWAN | MR074054 | R1 | CY2304SI-1T | 150 | 1000 | 77 | 0 |
| S0815KAGB | AMKOR-M | MR074062 | R1 | CY2302SC-1T | 150 | 500 | 80 | 0 |
| S0815KAGB | M-Phils | MR074062 | R1 | CY2302SC-1T | 150 | 1000 | 80 | 0 |
| S0815PAGN | CML-RA | MR081010 | R1 | CY2305SC-1H | 150 | 500 | 80 | 0 |
| S0815PAGN | CML-RA | MR081010 | R1 | CY2305SC-1H | 150 | 1000 | 80 | 0 |
| S1615DAGB | M-PHILS | MR073038 | R1 | CY2292SI-705T | 150 | 500 | 80 | 0 |
| S1615EAGB | M-PHILS | MR082014 | R1 | CY2309SC-1H | 150 | 500 | 80 | 0 |
| S1615KAGN | RA-CML | MR064055 | R1A | CY2292SL-1K2 | 150 | 1500 | 50 | 0 |
| S1615KAGN | RA-CML | MR064055 | R1A | CY2292SL-1K2 | 150 | 2000 | 50 | 0 |
| S1615KAGN | RA-CML | MR064055 | R1A | CY2292SL-1K2 | 150 | 3000 | 49 | 0 |
| S1615KAGN | RA-CML | MR064055 | R1A | CY2292SL-1K2 | 150 | 3500 | 49 | 0 |
| S1615KAGN | RA-CML | MR064055 | R1A | CY2292SL-1K2 | 150 | 4000 | 46 | 0 |
| S1615KAGN | R-CML | MR073015 | R1 | CY2309NZSC-1H | 150 | 500 | 80 | 0 |
| S1615KAGN | R-CML | MR073015 | R1 | CY2309NZSC-1H | 150 | 1000 | 80 | 0 |
| S324512LL | R-CML | 63604 | R1 | 7C621483NCC-RSC | 150 | 500 | 45 | 0 |
| S324512LL | R-CML | 63604 | R1 | 7C621483NCC-RSC | 150 | 1000 | 45 | 0 |
| S324512LL | R-CML | 63604 | R4 | 7C621483NCC-RSC | 150 | 500 | 45 | 0 |
| S324512LL | R-CML | 63604 | R4 | 7C621483NCC-RSC | 150 | 1000 | 44 | 0 |
| Summary for Package Family : SOIC (19 records) | | | | | | | | |
| Sum | | | | | | | 1,217 | 0 |
| SOIC (Pb-free) | | | | | | | | |
| SZ15PAGN | RA-CML | NR081002 | R3 | CY25560SXC | 150 | 1000 | 80 | 0 |

| | | | | | | | | |
|------------|-------------|----------|-----|--------------------|-----|------|----|---|
| SZ1615DGN | M-PHILS | MR073039 | R1 | CY2292FXC | 150 | 500 | 80 | 0 |
| SZ1615DGN | M-Phils | MR074022 | R1 | CY8C21234-24SXI | 150 | 500 | 80 | 0 |
| SZ1615DGN | M-Phils | MR074022 | R1 | CY8C21234-24SXI | 150 | 1000 | 80 | 0 |
| SZ1615EGN | M-PHIL | MR081005 | R1 | CY2309SXC-1HT | 150 | 500 | 80 | 0 |
| SZ1615EGN | M-PHIL | MR081005 | R1 | CY2309SXC-1HT | 150 | 1000 | 75 | 0 |
| SZ1615EGN | M-PHILS | MR082025 | R1 | CY2309NZSXC-1H | 150 | 1000 | 80 | 0 |
| SZ1615EGN | M-PHILS | MR082025 | R1 | CY2309NZSXC-1H | 150 | 500 | 80 | 0 |
| SZ1615FAL | T-OSE | MR081049 | R1 | CY2309CSXC-1 | 150 | 500 | 80 | 0 |
| SZ1615FAL | T-OSE | MR081049 | R1 | CY2309CSXC-1 | 150 | 1000 | 80 | 0 |
| SZ1615FAL | T-OSE | MR082016 | R1 | CY8C201A0-SX2I | 150 | 500 | 80 | 0 |
| SZ1615FAL | T-OSE | MR082016 | R1 | CY8C201A0-SX2I | 150 | 1000 | 80 | 0 |
| SZ1615KAGN | RA-CML | MR074039 | R1 | CY2309SC-1 | 150 | 500 | 80 | 0 |
| SZ1615KAGN | RA-CML | MR074039 | R1 | CY2309SC-1 | 150 | 1000 | 80 | 0 |
| SZ1615KGN | RA-CML | MR073010 | R1 | CY2309SXC-1HT | 150 | 500 | 80 | 0 |
| SZ1615KGN | RA-CML | MR073010 | R1 | CY2309SXC-1HT | 150 | 1000 | 80 | 0 |
| SZ1615KGN | RA-CML | MR074044 | R1 | CY2309NZSXC-1H | 150 | 500 | 80 | 0 |
| SZ1615KGN | RA-CML | MR074044 | R1 | CY2309NZSXC-1H | 150 | 1000 | 80 | 0 |
| SZ1615KGN | RA-CML | MR082015 | R1 | CY2309SXC-1HT | 150 | 500 | 80 | 0 |
| SZ1615KGN | RA-CML | MR082015 | R1 | CY2309SXC-1HT | 150 | 1000 | 80 | 0 |
| SZ1615KGN | RA-CML | NR072009 | R1 | CY2292SXI-1T1 | 150 | 1000 | 80 | 0 |
| SZ1615KGN | RA-CML | NR072009 | R2 | CY2292SXL-1X5T | 150 | 1000 | 80 | 0 |
| SZ1615NAGN | CA-MALAYSIA | 82203 | R1 | CY8C20180-SX2I | 150 | 500 | 77 | 0 |
| SZ1615NAGN | CA-MALAYSIA | 82203 | R1 | CY8C20180-SX2I | 150 | 1000 | 77 | 0 |
| SZ1815CGAN | M-PHILS | MR082023 | R1 | CY8C24123A-24SXI | 150 | 500 | 80 | 0 |
| SZ1815CGAN | M-PHILS | MR082023 | R1 | CY8C24123A-24SXI | 150 | 1000 | 80 | 0 |
| SZ183AGAN | M-PHIL | MR072028 | R1 | CY7C63723-SXC | 150 | 1000 | 71 | 0 |
| SZ183CGAN | RA-CML | MR072026 | R1 | CY7C63723-SXC | 150 | 1000 | 80 | 0 |
| SZ183CGAN | RA-CML | MR073013 | R1 | CY7C63723-SXC | 150 | 500 | 80 | 0 |
| SZ183CGAN | RA-CML | MR073013 | R1 | CY7C63723-SXC | 150 | 1000 | 80 | 0 |
| SZ183CGAN | RA-CML | MR074002 | R1 | CY7C63723C | 150 | 500 | 80 | 0 |
| SZ183CGAN | RA-CML | MR074002 | R1 | CY7C63723C | 150 | 1000 | 80 | 0 |
| SZ183CGAN | RA-CML | MR082012 | R1 | CY7C63723C-SXC | 150 | 500 | 80 | 0 |
| SZ183CGAN | RA-CML | MR082012 | R1 | CY7C63723C-SXC | 150 | 1000 | 80 | 0 |
| SZ2032GAN | R-CML | MR081012 | R1 | CY2291FX | 150 | 500 | 80 | 0 |
| SZ2032GAN | R-CML | MR081012 | R1 | CY2291FX | 150 | 1000 | 80 | 0 |
| SZ2035GAL | R-CML | MR072009 | R1 | CY8C24223A-24SXI | 150 | 1000 | 79 | 0 |
| SZ24312BGN | R-CML | MR082057 | R1 | CY7C63743C-SXC | 150 | 500 | 80 | 0 |
| SZ24312BGN | R-CML | MR082057 | R1 | CY7C63743C-SXC | 150 | 1000 | 80 | 0 |
| SZ24312GN | R-CML | MR074040 | R1 | CS6575AA | 150 | 500 | 80 | 0 |
| SZ24312GN | R-CML | MR074040 | R1 | CS6575AA | 150 | 1000 | 80 | 0 |
| SZ28327BGL | R-CML | MR082006 | R1 | CY8C27443-24SXI | 150 | 1000 | 80 | 0 |
| SZ28327BGL | R-CML | MR082006 | R1 | CY8C27443-24SXI | 150 | 500 | 80 | 0 |
| SZ32157BLN | R-CML | MR081006 | R1 | CG6707AM | 150 | 500 | 80 | 0 |
| SZ32157BLN | R-CML | MR081006 | R1 | CG6707AM | 150 | 1000 | 80 | 0 |
| SZ324513LN | R-CML | MR073007 | R1 | CY62128BNLL-70SXIT | 150 | 500 | 80 | 0 |
| SZ324513LN | R-CML | MR073007 | R1 | CY62128BNLL-70SXIT | 150 | 1000 | 80 | 0 |
| SZ324516LL | R-CML | MR082005 | R1 | CY62148ELL-55SXI | 150 | 1000 | 80 | 0 |
| SZ324516LL | R-CML | MR082005 | R1 | CY62148ELL-55SXI | 150 | 500 | 80 | 0 |
| SZ32457LN | R-CML | MR074005 | R1 | CG6707AM | 150 | 500 | 80 | 0 |
| SZ32457LN | R-CML | MR074005 | R1 | CG6707AM | 150 | 1000 | 80 | 0 |
| SZ815CGAN | M - Manila | 80803 | R1 | CY2305CSXI-1H | 150 | 1000 | 80 | 0 |
| SZ815CGAN | M-PHILS | MR074023 | R1 | CY8C24123A-24SXIT | 150 | 500 | 80 | 0 |
| SZ815CGAN | M-PHILS | MR074023 | R1 | CY8C24123A-24SXIT | 150 | 1000 | 80 | 0 |
| SZ815PAGN | RA-CML | MR081034 | R1 | CY2305SXC-1H | 150 | 500 | 80 | 0 |
| SZ815PAGN | RA-CML | MR081034 | R1 | CY2305SXC-1H | 150 | 1000 | 80 | 0 |
| SZ815PAGN | RA-CML | NR081002 | R14 | CY22560SXI | 150 | 500 | 80 | 0 |
| SZ815PAGN | RA-CML | NR081002 | R14 | CY22560SXI | 150 | 1000 | 80 | 0 |
| SZ815PAGN | RA-CML | NR081002 | R2 | CY25560SXC | 150 | 1000 | 80 | 0 |

Summary for Package Family : SOIC (Pb-free) (59 records)

Sum **4,699** **0**
SSOP

Summary for Package Family : SSOP (12 records)

Sum **0** **0**

SSOP (Pb-free)

| | | | | | | | | |
|------------|----------|----------|-----|-------------------|-----|------|----|---|
| SP2029AAGL | RA-CML | MR074018 | R1 | CY8C21334-24PVXIT | 150 | 500 | 80 | 0 |
| SP2029AAGL | RA-CML | MR074018 | R1 | CY8C21334-24PVXIT | 150 | 1000 | 80 | 0 |
| SP2029AAGL | RA-CML | MR081064 | R1 | CY8C21334-24PVXI | 150 | 500 | 80 | 0 |
| SP2029AAGL | RA-CML | MR081064 | R1 | CY8C21334-24PVXI | 150 | 1000 | 80 | 0 |
| SP202AAAGN | RA-CML | MR082007 | R1 | CP6650AMT | 150 | 500 | 80 | 0 |
| SP202AAAGN | RA-CML | MR082007 | R1 | CP6650AMT | 150 | 1000 | 80 | 0 |
| SP28214GL | T-TAIWAN | MR074051 | R1 | CY8C24423A-24PVXI | 150 | 500 | 80 | 0 |
| SP28214GL | T-TAIWAN | MR074051 | R1 | CY8C24423A-24PVXI | 150 | 1000 | 80 | 0 |
| SP28214GL | T-OSE | MR081009 | R1 | CY8C24494-24PVXI | 150 | 500 | 80 | 0 |
| SP28214GL | T-OSE | MR081009 | R1 | CY8C24494-24PVXI | 150 | 1000 | 80 | 0 |
| SP28214GL | T-OSE | MR082013 | R1 | CY8C26443-24PVX | 150 | 1000 | 80 | 0 |
| SP28214GL | T-OSE | MR082013 | R1 | CY8C26443-24PVX | 150 | 500 | 80 | 0 |
| SP28215GGL | RA-CML | MR081016 | R1A | CY8C21534-24PVXI | 150 | 500 | 80 | 0 |
| SP28215GGL | RA-CML | MR081016 | R1A | CY8C21534-24PVXI | 150 | 1000 | 80 | 0 |
| SP2822BGL | M-PHILS | MR081043 | R1 | CY8C21534-24PVXAT | 150 | 500 | 80 | 0 |
| SP2822BGL | M-PHILS | MR081043 | R1 | CY8C21534-24PVXAT | 150 | 1000 | 80 | 0 |
| SP2822BGL | M-PHILS | MR082038 | R1 | CY8C24423A-12PVXE | 150 | 500 | 80 | 0 |
| SP2822BGL | M-PHILS | MR082038 | R1 | CY8C24423A-12PVXE | 150 | 1000 | 80 | 0 |
| SP483HAAGR | M-PHILS | MR082071 | R1 | CY14B101L-SP45XC | 150 | 500 | 80 | 0 |
| SP563AAGN | R-CML | MR074027 | R1 | CY7C68000-56PVX | 150 | 500 | 80 | 0 |
| SP563AAGN | R-CML | MR074027 | R1 | CY7C68000-56PVX | 150 | 1000 | 80 | 0 |
| SP563BAGL | R-CML | MR073055 | R1 | CP6603AMT | 150 | 500 | 80 | 0 |
| SP563BBBGL | R-CML | MR082008 | R1 | CY7C68300C-56PVXC | 150 | 1000 | 80 | 0 |
| SP563BBBGL | R-CML | MR082008 | R1 | CY7C68300C-56PVXC | 150 | 500 | 80 | 0 |
| SP563BBGL | T-TAIWAN | MR072029 | R1 | CY7C68013A-56PVXC | 150 | 1000 | 80 | 0 |
| SP563BBGL | T-TAIWAN | MR074059 | R1 | CY7C68014A-56PVXC | 150 | 500 | 80 | 0 |
| SP563BBGL | T-TAIWAN | MR074059 | R1 | CY7C68014A-56PVXC | 150 | 1000 | 79 | 0 |
| SP563BGAL | R-CML | MR081007 | R1 | CY7C68300C-56PVXC | 150 | 500 | 80 | 0 |
| SP563BGAL | R-CML | MR081007 | R1 | CY7C68300C-56PVXC | 150 | 1000 | 80 | 0 |

Summary for Package Family : SSOP (Pb-free) (29 records)

Sum **2,319** **0**

SOIC (J-Lead)

| | | | | | | | | |
|------------|-------------|----------|----|-----------------|-----|------|----|---|
| V243GGABLE | O-INDONESIA | MR081055 | R1 | CY7C197V-15AXC | 150 | 500 | 80 | 0 |
| V243GGABLE | O-INDONESIA | MR081055 | R1 | CY7C197BN-15VC | 150 | 500 | 79 | 0 |
| V2831ALL | R-CML | MR074048 | R1 | CY7C199CN-15VCT | 150 | 500 | 80 | 0 |
| V2835GALN | R-CML | MR073047 | R1 | CY7C185-15VI | 150 | 500 | 80 | 0 |
| V284CGAGGB | O-INDS | MR073017 | R1 | CY7C107BN-15VC | 150 | 1000 | 77 | 0 |
| V3646GALL | R-CML | MR073033 | R1 | CY7C1049CV33- | 150 | 500 | 80 | 0 |
| V3646GALL | R-CML | MR073033 | R1 | CY7C1049CV33- | 150 | 1000 | 80 | 0 |

Summary for Package Family : SOIC (J-Lead) (7 records)

Sum **556** **0**

SOIC (J-Lead, Pb-Free)

| | | | | | | | | |
|------------|--------|----------|----|--------------------|-----|------|----|---|
| VZ2439AGS | O-INDS | MR073016 | R1 | CY7C187-25VXC | 150 | 1000 | 77 | 0 |
| VZ28311BLL | CML-R | MR081033 | R1 | CY7C1399BN-12VXI | 150 | 500 | 80 | 0 |
| VZ28311BLL | CML-R | MR081033 | R1 | CY7C1399BN-12VXI | 150 | 1000 | 80 | 0 |
| VZ28311KLL | R-CML | MR073008 | R1 | CY7C1399BNL-15VXCT | 150 | 500 | 80 | 0 |
| VZ28311KLL | R-CML | MR073008 | R1 | CY7C1399BNL-15VXCT | 150 | 1000 | 80 | 0 |
| VZ28313BLN | R-CML | MR082056 | R1 | CY7C1399BN-12VXC | 150 | 1000 | 80 | 0 |



| | | | | | | | | | |
|---|---------|----------|-----|---------------------|-----|------|--------------|----------|--|
| VZ28313BLN | R-CML | MR082056 | R1 | CY7C1399BN-12VXC | 150 | 500 | 80 | 0 | |
| VZ28313BLN | R-CML | MR083003 | R1 | CY7C1399BN-12VXC | 150 | 500 | 80 | 0 | |
| VZ2835GKLN | R-CML | MR074033 | R1 | CY7C421-20VXC | 150 | 500 | 80 | 0 | |
| VZ2835GKLN | R-CML | MR074033 | R1 | CY7C421-20VXC | 150 | 1000 | 80 | 0 | |
| VZ32420GLL | R-CML | MR081008 | R1 | CY7C109D-10VXI | 150 | 500 | 80 | 0 | |
| VZ32420GLL | R-CML | MR081008 | R1 | CY7C109D-10VXI | 150 | 1000 | 80 | 0 | |
| VZ3646BGLL | R-CML | MR082009 | R1 | CY7C1049CV33-10VXC | 150 | 500 | 80 | 0 | |
| VZ3646BGLL | R-CML | MR082009 | R1 | CY7C1049CV33-10VXC | 150 | 1000 | 80 | 0 | |
| VZ3646GLL | R-CML | MR074001 | R1 | CY7C1049CV33-10VXCT | 150 | 500 | 80 | 0 | |
| VZ3648GALL | R-CML | MR073032 | R1 | CY7C1049DV33-10VXIT | 150 | 500 | 80 | 0 | |
| VZ3648GALL | R-CML | MR073032 | R1 | CY7C1049DV33-10VXIT | 150 | 1000 | 80 | 0 | |
| VZ444WAGL | R-CML | MR081050 | R1 | CY7C1021B-12VXC | 150 | 500 | 80 | 0 | |
| VZ444WAGL | R-CML | MR081050 | R1 | CY7C1021B-12VXC | 150 | 1000 | 80 | 0 | |
| Summary for Package Family : SOIC (J-Lead, Pb-free) (19 records) | | | | | | | | | |
| Sum | | | | | | | 1,517 | 0 | |
| TQFP | | | | | | | | | |
| A100SEGAGL | R-CML | MR073004 | R1 | CY7B994V-2AC | 150 | 500 | 80 | 0 | |
| A100SEGAGL | R-CML | MR073004 | R1 | CY7B994V-2AC | 150 | 1000 | 80 | 0 | |
| A32BVGBGB | Q-KOREA | MR074019 | R1 | CY7C4221V-15AC | 150 | 500 | 80 | 0 | |
| A32BVGBGB | Q-KOREA | MR074019 | R1 | CY7C4221V-15AC | 150 | 1000 | 80 | 0 | |
| A32BXGBGB | Q-KOREA | MR073040 | R1 | CY7C433-10AC | 150 | 500 | 80 | 0 | |
| A32BXGBGB | Q-KOREA | MR081038 | R1 | CY7C4221V-15AC | 150 | 500 | 80 | 0 | |
| A32BXGBGB | Q-KOREA | MR081038 | R1 | CY7C4221V-15AC | 150 | 1000 | 80 | 0 | |
| A32LXGXGB | Q-KOREA | MR082024 | R1 | CY29948AC | 150 | 500 | 79 | 0 | |
| A32LXGXGB | Q-KOREA | MR082024 | R1 | CY29948AC | 150 | 1000 | 79 | 0 | |
| A52ASGAGE | Q-KOREA | MR064081 | R1 | CY7B9945V-5AC | 150 | 2000 | 49 | 0 | |
| A52ASGAGE | Q-KOREA | MR064081 | R1 | CY7B9945V-5AC | 150 | 2500 | 49 | 0 | |
| AG120ABAGR | Q-KOREA | NR072017 | R1 | CYS25G0101DX-ATXC | 150 | 500 | 80 | 0 | |
| Summary for Package Family : TQFP (12 records) | | | | | | | | | |
| Sum | | | | | | | 896 | 0 | |
| TQFP (10 X 10) | | | | | | | | | |
| AS64AGAGB | Q-KOREA | MR073048 | R1A | CY7C4235V-15ASC | 150 | 500 | 80 | 0 | |
| AS64CGAGB | Q-KOREA | MR081026 | R1 | CY7C4285-15ASI | 150 | 1000 | 80 | 0 | |
| AS64CGAGB | Q-KOREA | MR081026 | R1 | CY7C4285-15ASI | 150 | 500 | 80 | 0 | |
| Summary for Package Family : TQFP (10 X 10) (3 records) | | | | | | | | | |
| Sum | | | | | | | 240 | 0 | |
| TQFP (Pb-free) | | | | | | | | | |
| AZ100RIBLL | R-CML | 71209 | R1 | CY7C1370D | 150 | 500 | 80 | 0 | |
| AZ100RIBLL | R-CML | 71209 | R1 | CY7C1370D | 150 | 1000 | 80 | 0 | |
| AZ100RIBLL | CML-R | 71211 | R1 | CY7C1370 | 150 | 500 | 40 | 0 | |
| AZ100RIBLL | CML-R | 71211 | R1 | CY7C1370 | 150 | 1000 | 40 | 0 | |
| AZ100RIBLL | CML-R | 71211 | R2 | CY7C1370 | 150 | 500 | 40 | 0 | |
| AZ100RIBLL | CML-R | 71211 | R2 | CY7C1370 | 150 | 1000 | 40 | 0 | |
| AZ100RUAGN | R-CML | 65105 | R1A | CY7C68013A-100AXC | 150 | 1000 | 30 | 0 | |
| AZ100RUAGN | R-CML | 65105 | R2 | CY7C68013A-100AXC | 150 | 1000 | 80 | 0 | |
| AZ100RXBLL | R-CML | MR081045 | R1 | CY7C1360C-166AXC | 150 | 500 | 80 | 0 | |
| AZ100RXBLL | R-CML | MR081045 | R1 | CY7C1360C-166AXC | 150 | 1000 | 80 | 0 | |
| AZ100RXLL | R-CML | MR072033 | R1 | CY7C1360C-166AXI | 150 | 1000 | 80 | 0 | |
| AZ100SFA | R-CML | MR082049 | R1 | CY7C024-25AXC | 150 | 1000 | 79 | 0 | |
| AZ100SFA | R-CML | MR082049 | R1 | CY7C024-25AXC | 150 | 500 | 80 | 0 | |
| AZ100SFAL | R-CML | MR073022 | R1 | CY7C1049DV33-10VXIT | 150 | 500 | 80 | 0 | |
| AZ100SFAL | R-CML | MR073022 | R1 | CY7C1049DV33-10VXIT | 150 | 1000 | 80 | 0 | |
| AZ100SFAL | R-CML | MR074036 | R1 | CY7C025-25AXC | 150 | 500 | 80 | 0 | |
| AZ100SFAL | R-CML | MR074036 | R1 | CY7C025-25AXC | 150 | 1000 | 80 | 0 | |
| AZ100SFAL | R-CML | MR081017 | R1 | CY7C024-25AXC | 150 | 500 | 80 | 0 | |

| | | | | | | | | | |
|--|----------|----------|----|---------------------|-----|------|----|--------------|----------|
| AZ100SFAL | R-CML | MR081017 | R1 | CY7C024-25AXC | 150 | 1000 | 80 | 0 | |
| AZ128SABLL | R-CML | MR082004 | R1 | CY7C68013A-128AXC | 150 | 500 | 80 | 0 | |
| AZ128SABLL | R-CML | MR082004 | R1 | CY7C68013A-128AXC | 150 | 1000 | 80 | 0 | |
| AZ128SALL | R-CML | MR072015 | R1 | CY7C64713-128AXC | 150 | 1000 | 80 | 0 | |
| AZ144AAAGR | Q-KOREA | MR081054 | R1 | CY7C056V-15AXC | 150 | 500 | 80 | 0 | |
| AZ144AAAGR | Q-KOREA | MR081054 | R1 | CY7C056V-15AXC | 150 | 1000 | 79 | 0 | |
| AZ32BXGAN | Q-KOREA | MR073057 | R1 | CY7C4251-15AXC | 150 | 500 | 80 | 0 | |
| AZ32BXGAN | Q-KOREA | MR081015 | R1 | CY7C4201V-15AXC | 150 | 500 | 80 | 0 | |
| AZ32BXGAN | Q-KOREA | MR081015 | R1 | CY7C4201V-15AXC | 150 | 1000 | 80 | 0 | |
| AZ32BXGAN | Q-KOREA | MR082054 | R1 | CY7C4251V-15AXC | 150 | 1000 | 80 | 0 | |
| AZ32BXGAN | Q-KOREA | MR082054 | R1 | CY7C4251V-15AXC | 150 | 500 | 80 | 0 | |
| AZ32GXGAN | G-ASE | MR081051 | R1 | CY29942AXI | 150 | 500 | 80 | 0 | |
| AZ32GXGAN | G-ASE | MR081051 | R1 | CY29942AXI | 150 | 1000 | 80 | 0 | |
| AZ32GXGAN | G-ASE | MR082020 | R1 | CY29942AXI | 150 | 500 | 80 | 0 | |
| AZ32GXGAN | G-ASE | MR082020 | R1 | CY29942AXI | 150 | 1000 | 80 | 0 | |
| AZ32LXGAN | Q-KOREA | MR074020 | R1 | CY7C425-10AXC | 150 | 500 | 80 | 0 | |
| AZ32LXGAN | Q-KOREA | MR074020 | R1 | CY7C425-10AXC | 150 | 1000 | 80 | 0 | |
| AZ44SFGAN | R-CML | MR073031 | R1 | CY37032VP44-100AXC | 150 | 500 | 80 | 0 | |
| AZ44SFGAN | R-CML | MR073031 | R1 | CY37032VP44-100AXC | 150 | 1000 | 80 | 0 | |
| AZ44SGGAN | R-CML | MR082040 | R1 | CS6567AM | 150 | 1000 | 80 | 0 | |
| AZ44SGGAN | R-CML | MR082040 | R1 | CS6567AM | 150 | 500 | 80 | 0 | |
| AZ44SGGAN | R-CML | MR082060 | R1 | CS6567AM | 150 | 500 | 80 | 0 | |
| AZ44SGGAN | R-CML | MR082060 | R1 | CS6567AM | 150 | 1000 | 80 | 0 | |
| AZ52ASGAL | Q-KOREA | MR071005 | R1 | CY7B9945V-2AXI | 150 | 2000 | 79 | 0 | |
| AZ52ASGAL | Q-KOREA | MR071005 | R1 | CY7B9945V-2AXI | 150 | 2500 | 79 | 0 | |
| AZ64HXGAL | RA-CML | MR074007 | R1 | CY7C63723C | 150 | 500 | 80 | 0 | |
| AZ64HXGAL | RA-CML | MR074007 | R1 | CY7C63723C | 150 | 1000 | 80 | 0 | |
| Summary for Package Family : TQFP (Pb-free) (45 records) | | | | | | | | | |
| Sum | | | | | | | | 3,386 | 0 |
| TQFP (Thermally Enhanced) | | | | | | | | | |
| AT120ABAGE | Q-KOREA | NR072029 | R2 | CYS25G0101DX-ATXC | 150 | 1000 | 80 | 0 | |
| Summary for Package Family : TQFP (Thermally Enhanced) (1 record) | | | | | | | | | |
| Sum | | | | | | | | 80 | 0 |
| TQFP (Thermally Enhanced, Pb-free) | | | | | | | | | |
| AG120ABAGR | Q-KOREA | NR072017 | R1 | CYS25G0101DX-ATXC | 150 | 1000 | 80 | 0 | |
| AG120ABAGR | Q-KOREA | NR072017 | R2 | CYS25G0101DX-ATXC | 150 | 1000 | 50 | 0 | |
| Summary for Package Family : TQFP (Thermally Enhanced, Pb-free) (2 records) | | | | | | | | | |
| Sum | | | | | | | | 0 | 0 |
| TSOP (Pb-free) | | | | | | | | | |
| ZT28R4AGL | R-CML | MR074045 | R1 | CY7C1399BNL-12ZXC | 150 | 500 | 80 | 0 | |
| ZT28R4AGL | R-CML | MR074045 | R1 | CY7C1399BNL-12ZXC | 150 | 1000 | 80 | 0 | |
| ZT28R4AGL | R-CML | MR081058 | R1 | CY7C1399BNL-12ZXC | 150 | 500 | 80 | 0 | |
| ZT28R4AGL | R-CML | MR081058 | R1 | CY7C1399BNL-12ZXC | 150 | 1000 | 80 | 0 | |
| ZT28RGLL | R-CML | MR073052 | R1 | CY7C199D-10ZXI | 150 | 500 | 80 | 0 | |
| ZT32RABALL | T-TAIWAN | MR073024 | R1 | CY62128ELL-45ZXIT | 150 | 500 | 80 | 0 | |
| ZT32RABALL | T-TAIWAN | MR073034 | R1 | CY62128EV30LL-45ZXI | 150 | 500 | 80 | 0 | |
| ZT32RABALL | T-TAIWAN | MR081060 | R1 | CY62128EV30LL-45ZXI | 150 | 500 | 80 | 0 | |
| ZT32RABALL | T-TAIWAN | MR081060 | R1 | CY62128EV30LL-45ZXI | 150 | 1000 | 79 | 0 | |
| ZT32RABALL | T-OSE | MR082019 | R1 | CY62128EV30LL-45ZXI | 150 | 500 | 80 | 0 | |
| ZT32RABALL | T-OSE | MR082019 | R1 | CY62128EV30LL-45ZXI | 150 | 1000 | 80 | 0 | |
| ZT32RADALL | RA-CML | MR074028 | R1 | CY62128ELL-45ZXI | 150 | 500 | 80 | 0 | |

| | | | | | | | | |
|------------|--------|----------|----|-------------------|-----|------|----|---|
| ZT32RADALL | RA-CML | MR074028 | R1 | CY62128ELL-45ZXI | 150 | 1000 | 80 | 0 |
| ZT32RADALL | RA-CML | NR073006 | R1 | CY62128ELL-45ZXIT | 150 | 500 | 45 | 0 |
| ZT32RADALL | RA-CML | NR073006 | R1 | CY62128ELL-45ZXIT | 150 | 1000 | 45 | 0 |
| ZT32RADALL | RA-CML | NR073006 | R2 | CY62128ELL-45ZXIT | 150 | 500 | 45 | 0 |
| ZT32RADALL | RA-CML | NR073006 | R2 | CY62128ELL-45ZXIT | 150 | 1000 | 45 | 0 |
| ZT32RADALL | RA-CML | NR073006 | R3 | CY62128ELL-45ZXIT | 150 | 500 | 45 | 0 |
| ZT32RADALL | RA-CML | NR073006 | R3 | CY62128ELL-45ZXIT | 150 | 1000 | 37 | 0 |

Summary for Package Family : TSOP (Pb-free) (19 records)

Sum **1,301** **0**

TSOP I (Pb-free)

| | | | | | | | | |
|-----------|-------|----------|----|----------------------|-----|------|----|---|
| ZB32RHALL | R-CML | NR072020 | R1 | CY62128BLL-70ZAXI | 150 | 500 | 80 | 0 |
| ZB32RHALL | R-CML | NR072020 | R1 | CY62128BLL-70ZAXI | 150 | 1000 | 80 | 0 |
| ZB32RHALL | R-CML | NR072020 | R1 | CY62128EV30LL-45ZAXI | 150 | 500 | 80 | 0 |
| ZB32RHALL | R-CML | NR072020 | R1 | CY62126EV30LL-45ZAXI | 150 | 1000 | 79 | 0 |
| ZB32RHALL | R-CML | NR072020 | R1 | CY62126EV30LL-45ZAXI | 150 | 500 | 80 | 0 |
| ZB32RHALL | R-CML | NR081029 | R1 | CY62128EV30LL-45AZXI | 150 | 1000 | 80 | 0 |
| ZB32RHALL | R-CML | NR081029 | R1 | CY62128EV30LL-45AZXI | 150 | 500 | 80 | 0 |
| ZB32RHALL | R-CML | MR082053 | R1 | CY62128DV30LL-55ZAXI | 150 | 500 | 80 | 0 |
| ZB32RHALL | R-CML | MR082053 | R1 | CY62128DV30LL-55ZAXI | 150 | 1000 | 80 | 0 |
| ZB32RHALL | R-CML | MR082003 | R1 | CY62128EV30LL-45ZAXI | 150 | 1000 | 80 | 0 |
| ZB32RHALL | R-CML | MR082003 | R1 | CY62128EV30LL-45ZAXI | 150 | 500 | 80 | 0 |

Summary for Package Family : TSOP I (Pb-Free) (11 records)

Sum **879** **0**

TSOP II

| | | | | | | | | |
|------------|-------|----------|----|-------------------|-----|------|----|---|
| ZS444ABAL | R-CML | MR074069 | R1 | CY7C1020CV33-12ZC | 150 | 500 | 80 | 0 |
| ZS444ABALL | R-CML | MR074069 | R1 | CY7C1020CV33-12ZC | 150 | 1000 | 80 | 0 |
| ZS444RAGB | R-CML | MR073027 | R1 | CG6079AA | 150 | 500 | 80 | 0 |

Summary for Package Family : TSOP II (3 records)

Sum **240** **0**

TSOP II (Pb-free)

| | | | | | | | | |
|------------|----------|----------|----|----------------------|-----|------|----|---|
| ZW324CBLL | OSE-T | MR081025 | R1 | CY62148ELL-45ZSXI | 150 | 500 | 80 | 0 |
| ZW324CBLL | OSE-T | MR081025 | R1 | CY62148ELL-45ZSXI | 150 | 1000 | 80 | 0 |
| ZW324CBLL | T-OSE | MR082026 | R1 | CY62148ELL-45ZSXI | 150 | 1000 | 80 | 0 |
| ZW324CBLL | T-OSE | MR082026 | R1 | CY62148ELL-45ZSXI | 150 | 500 | 80 | 0 |
| ZW324GALL | T-OSE | MR074042 | R1 | CY7C1019D-10ZSXI | 150 | 500 | 80 | 0 |
| ZW444AJGN | R-CML | MR073012 | R1 | CY7C1021CV33-12ZXC | 150 | 500 | 80 | 0 |
| ZW444AJGN | R-CML | MR073012 | R1 | CY7C1021CV33-12ZXC | 150 | 1000 | 80 | 0 |
| ZW444AJGN | R-CML | MR073012 | R1 | CY7C1041CV33-10ZXC | 150 | 500 | 80 | 0 |
| ZW444AKALN | R-CML | MR074034 | R1 | CY7C1041CV33-10ZXC | 150 | 1000 | 80 | 0 |
| ZW444AKALN | R-CML | MR074034 | R1 | CY7C1041CV33-10ZXC | 150 | 500 | 80 | 0 |
| ZW444AMBLN | R-CML | MR081003 | R1 | CY62157EV30LL-45ZSXI | 150 | 500 | 80 | 0 |
| ZW444AMBLN | R-CML | MR081003 | R1 | CY62157EV30LL-45ZSXI | 150 | 1000 | 80 | 0 |
| ZW444AMBLN | R-CML | MR082002 | R1 | CY62146EV30LL-45SZSX | 150 | 500 | 80 | 0 |
| ZW444AMBLN | R-CML | MR082002 | R1 | CY62146EV30LL-45SZSX | 150 | 1000 | 80 | 0 |
| ZW544AALL | G-TAIWAN | MR073058 | R1 | CY7C1069AV33-12ZXC | 150 | 500 | 80 | 0 |
| ZW544AALL | G-TAIWAN | MR073058 | R1 | CY7C1069AV33-12ZXC | 150 | 1000 | 80 | 0 |
| ZW544AALL | G-ASEK | MR081002 | R1 | CY7C1061AV33-12ZXC | 150 | 500 | 80 | 0 |
| ZW544AALL | G-ASEK | MR081002 | R1 | CY7C1061AV33-12ZXC | 150 | 1000 | 80 | 0 |

| | | | | | | | | | |
|--|-------------------|----------|-----|-----------------------------|-----|------|----|--------------|----------|
| ZW544AALL | G-ASEK | MR082034 | R1A | 12ZXC CY7C1069AV33-10ZXC | 150 | 1000 | 78 | 0 | |
| ZW544AALL | G-ASEK | MR082034 | R1A | CY7C1069AV33-10ZXC | 150 | 500 | 79 | 0 | |
| ZW544AALL | G-TAIWAN | MR083002 | R1 | CY7C1069AV33-10ZX | 150 | 500 | 80 | 0 | |
| Summary for Package Family : TSOP II (Pb-free) (20 records) | | | | | | | | | |
| Sum | | | | | | | | 1,597 | 0 |
| EXPOSED TSOP (Pb-free) | | | | | | | | | |
| ZL2017AGN | M-Phils | MR074052 | R1 | CY27EE16FZXEC | 150 | 500 | 80 | 0 | |
| ZL2017AGN | M-Phils | MR074052 | R1 | CY27EE16FZXEC | 150 | 1000 | 80 | 0 | |
| Summary for Package Family : EXPOSED TSOP (Pb-free) (2 records) | | | | | | | | | |
| Sum | | | | | | | | 160 | 0 |
| RTSOP | | | | | | | | | |
| ZR28R2AGN | R-CML | MR073030 | R1 | CY62256LL-70ZRIT | 150 | 500 | 80 | 0 | |
| Summary for Package Family : RTSOP (1 record) | | | | | | | | | |
| Sum | | | | | | | | 80 | 0 |
| RTSOP (Pb-free) | | | | | | | | | |
| ZY28R2AGN | R-CML | MR073036 | R1 | CY7C4241-15JXC | 150 | 1000 | 80 | 0 | |
| Summary for Package Family : RTSOP (Pb-free) (1 record) | | | | | | | | | |
| Sum | | | | | | | | 80 | 0 |
| TSSOP | | | | | | | | | |
| Z0812TAGE | T-TAIWAN | MR074049 | R1 | CY2077ZC-111T | 150 | 500 | 80 | 0 | |
| Z0812TAGE | T-TAIWAN | MR074049 | R1 | CY2077ZC-111T | 150 | 1000 | 80 | 0 | |
| Z1611XAGB | M-PHILS | MR082033 | R1 | CY2308ZC-1H | 150 | 500 | 80 | 0 | |
| Z1611XAGB | M-PHILS | MR082033 | R1 | CY2308ZC-1H | 150 | 1000 | 80 | 0 | |
| Z1613GAGB | T-TAIWAN | MR074029 | R1 | CY2308ZC-1H | 150 | 500 | 80 | 0 | |
| Z1613GAGB | T-TAIWAN | MR074029 | R1 | CY2308ZC-1H | 150 | 1000 | 80 | 0 | |
| Z1619GAGN | RA-CML | MR073011 | R1 | CY22050FI | 150 | 500 | 80 | 0 | |
| Z1619GAGN | RA-CML | MR073011 | R1 | CY22050FI | 150 | 1000 | 80 | 0 | |
| Z1620GAGN | RA-CML | MR074010 | R1 | CY22393FC | 150 | 500 | 80 | 0 | |
| Z1620GAGN | RA-CML | MR074010 | R1 | CY22393FC | 150 | 1000 | 80 | 0 | |
| Z1620GAGN | RA-CML | MR081036 | R1 | CY2309ZC-1H | 150 | 500 | 80 | 0 | |
| Z1620GAGN | RA-CML | MR081036 | R1 | CY2309ZC-1H | 150 | 1000 | 80 | 0 | |
| Z1620GAGN | RA-CML | MR082029 | R1 | CY2309ZC-1H | 150 | 500 | 79 | 0 | |
| Z1620GAGN | RA-CML | MR082029 | R1 | CY2309ZC-1H | 150 | 1000 | 79 | 0 | |
| Summary for Package Family : TSSOP (14 records) | | | | | | | | | |
| Sum | | | | | | | | 1,118 | 0 |
| TSSOP (Pb-free) | | | | | | | | | |
| 8L TSSOP | VIGILANT-Thailand | 72303 | R1 | CY24904ZXC | 150 | 500 | 77 | 0 | |
| 8L TSSOP | VIGILANT-Thailand | 72303 | R1 | CY24904ZXC | 150 | 1000 | 77 | 0 | |
| ZZ1613HAN | T-OSE | MR082011 | R1 | CY2308ZXI-1HT | 150 | 500 | 80 | 0 | |
| ZZ1613HAN | T-OSE | MR082011 | R1 | CY2308ZXI-1HT | 150 | 1000 | 80 | 0 | |
| ZZ1614HAN | OSE-T | MR081011 | R1 | CY22395FXC | 150 | 500 | 80 | 0 | |
| ZZ1614HAN | OSE-T | MR081011 | R1 | CY22395FXC | 150 | 1000 | 80 | 0 | |
| ZZ1619GAN | RA-CML | MR073023 | R1 | CY22392ZXC-386 | 150 | 500 | 79 | 0 | |
| ZZ1619GAN | RA-CML | MR073023 | R1 | CY22392ZXC-386 | 150 | 1000 | 79 | 0 | |
| ZZ1619GAN | RA-CML | MR074013 | R1 | CY22393FXC | 150 | 500 | 78 | 0 | |
| ZZ1619GAN | RA-CML | MR074013 | R1 | CY22393FXC | 150 | 1000 | 78 | 0 | |
| ZZ1620GAN | RA-CML | MR081046 | R1 | CY22392ZXI-384 | 150 | 500 | 80 | 0 | |
| ZZ1620GAN | RA-CML | MR082032 | R1 | CY2308ZXI-1H | 150 | 500 | 80 | 0 | |
| ZZ1620GAN | RA-CML | MR082032 | R1 | CY2308ZXI-1H | 150 | 1000 | 80 | 0 | |
| ZZ2415GAL | CML-RA | NR072010 | R1 | CY22315ZXC | 150 | 1000 | 74 | 0 | |
| ZZ2817AGL | RA-CML | NR072006 | R1 | CY28517ZXC | 150 | 1000 | 80 | 0 | |
| ZZ2817AGL | RA-CML | NR072006 | R2 | CY28547ZXC | 150 | 1000 | 75 | 0 | |
| ZZ2817AGL | RA-CML | NR072006 | R3 | CY24270ZXC | 165 | 1000 | 80 | 0 | |
| Summary for Package Family : TSSOP (Pb-free) (17 records) | | | | | | | | | |
| Sum | | | | | | | | 1,337 | 0 |
| FLIPCHIP CSP (Pb-Free) | | | | | | | | | |
| FN81AGAN | AU | NR081001 | R1 | CYWB0124ABX- | 150 | 1000 | 90 | 0 | |

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|--|----------------------|-------|----|--------------------------------|-----|------|---------------|------------|----------|
| FN81BGAN | AU - Amkor Taiwan | 80501 | R1 | FNXIT CYWB0124ABX- FDXIT | 150 | 1000 | 90 | 0 | |
| FN81BGAN | AU - Amkor Taiwan | 80501 | R1 | CYWB0124ABX- FDXIT | 150 | 500 | 90 | 0 | |
| Summary for Package Family : FLIPCHIP CSP (Pb-Free) (3 records) | | | | | | | | | |
| Sum | | | | | | | | 270 | 0 |
| | | | | | | | 38,288 | 0 | |