



2007 Q2 RELIABILITY REPORT

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Note: The results reported herein are for 2nd Quarter 2007.



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 2007. 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	27,809	0	Insufficient	0	None
C8	368,873	0	15	0	None
C9	1,670,570	22	42	625	Particle defect-22 (see Note 2)
CMOS2AN	53,184	0	Insufficient	0	None
L28	28,800	0	Insufficient	0	None
L8	126,768	0	Insufficient	0	None
P26	17,940	0	Insufficient	0	None
POWER 165	11,574	0	Insufficient	0	None
PROM20NX	9,290	0	Insufficient	0	None
PROMOS S12	237,523	0	23	0	None
R21	28,416	0	Insufficient	0	None
R28	14,400	0	Insufficient	0	None
R42	68,706	0	Insufficient	0	None
R5	134,089	0	Insufficient	0	None
R7	2,120,154	0	3	0	None
R8	590,850	1	10	53	SAC distance <100A-1 (see Note 3)
R9	2,226,864	1	3	22	No visual defect-1
R95	2,738,738	0	2	0	None
S12	43,912	0	Insufficient	0	None
S4	1,135,508	0	5	0	None
STARM	9,290	0	Insufficient	0	None
UMC 0.18	98,663	0	Insufficient	0	None
Grand Total	11,761,922	24	6	72	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 200710005.

3) CAR 200710021.

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	569,575	0	9	None
C8	638,072	0	8	None
C9	143,065	1	42	No visual defect-1
CMOS2AN	186,645	0	29	None
L28	174,000	0	31	None
L8	199,200	0	27	None
P26	176,496	0	31	None
POWER 165	318,920	0	17	None
PROM20NX	114,970	0	Insufficient	None
R21	341,780	0	16	None
R28	24,000	0	Insufficient	None
R42	659,988	0	8	None
R5	1,329,096	0	4	None
R7	1,169,957	0	5	None
R8	2,434,405	0	2	None
R9	150,000	0	36	None
R95	483,820	0	11	None
S4	3,245,518	0	2	None
S8	70,528	0	Insufficient	None
STARM	444,006	0	12	None
UMC 0.18	313,425	0	17	None
Grand Total	13,187,465	1	0	See above

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	5,978	2,800,188	0	0	None
Grand Total	5,978	2,800,188	0	0	None

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.

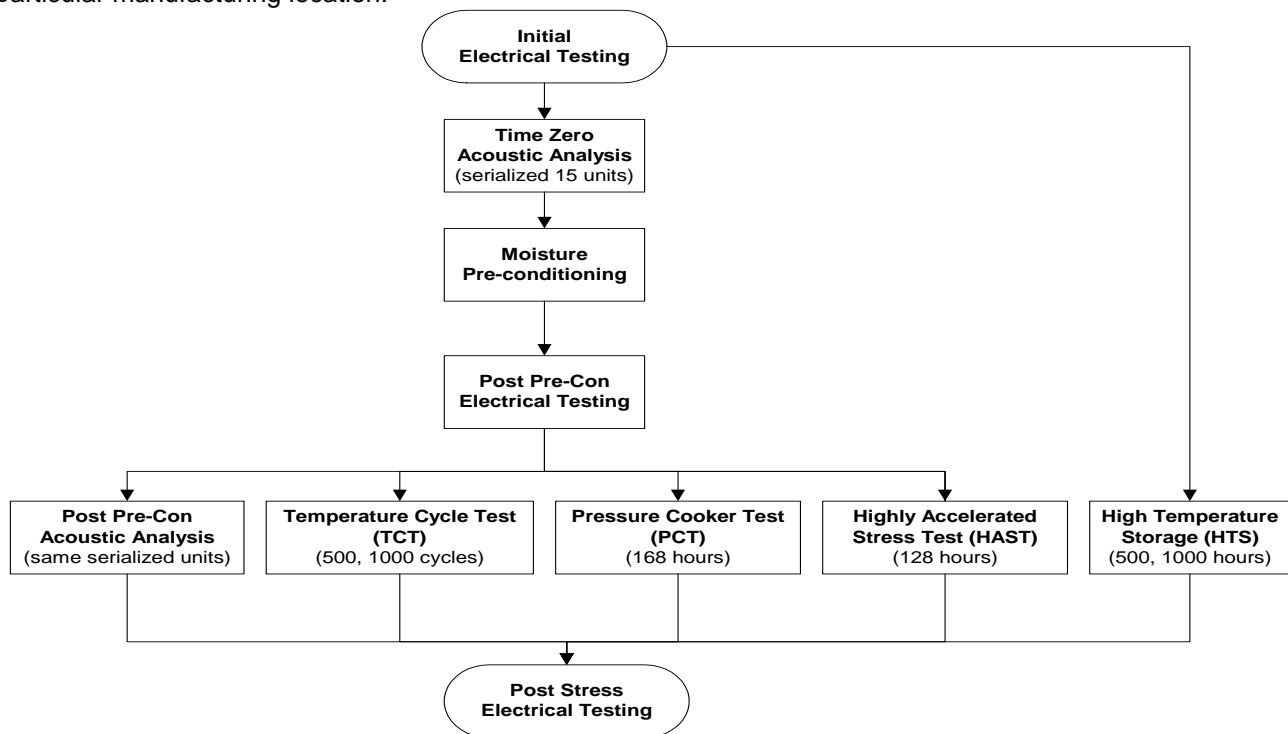


Figure 1. Cypress Package Reliability Stress Flow



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)	423	0	0	None
FBGA (0.75-0.8, Pb-Free)	130	0	0	None
FBGA (1.0)	339	0	0	None
FBGA (1.0, Pb-Free)	179	0	0	None
VFBGA (0.75-0.8, 0.3mm)	777	0	0	None
VFBGA (0.75-0.8, 0.3mm, Pb-Free)	2,086	0	0	None
PBGA (1.27)	180	0	0	None
PBGA (Cavity/Heatsink)	83	0	0	None
PBGA (Pb-Free)	47	0	0	None
PDIP	278	0	0	None
PDIP (Pb-Free)	561	0	0	None
PLCC	322	2	0.62%	Die edge delam-1 (see Note 1) No visual defect-1
PLCC (Pb-Free)	229	1	0.44%	No visual defect-1
PQFP	49	0	0	None
PQFP (Pb-Free)	180	0	0	None
QFN (COL, Pb-Free)	150	0	0	None
QFN (Punch Type, Pb-Free)	2,376	0	0	None
QFN (Saw Type, Pb-Free)	303	0	0	None
QSOP (Pb-Free)	229	0	0	None
SNC	100	0	0	None
SNC (Pb-Free)	100	0	0	None
SOIC	1,045	0	0	None
SOIC (Pb-Free)	1,463	0	0	None
SSOP	329	0	0	None
SSOP (Pb-Free)	2,787	5	0.18%	Passivation pinholes-5 (see Note 2)
SOIC (J lead)	320	0	0	None
SOIC (J lead, Pb-Free)	400	0	0	None
TQFP	326	0	0	None
TQFP (Pb-Free)	1,020	0	0	None
TQFP (Thermal, Pb-Free)	45	0	0	None
TSOP (Pb-Free)	100	0	0	None
TSOP I (Pb-Free)	360	0	0	None
TSOP II	362	0	0	None
TSOP II (Pb-Free)	1,264	0	0	None
RTSOP (Pb-Free)	199	0	0	None
TSSOP	429	0	0	None
TSSOP (Pb-Free)	965	0	0	None
Grand Total	20,535	8	0.04%	See above

Note: 1) CAR 200621002.
2) CAR 200639027.



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)	374	6	1.60%	Die edge delam-6 (see Note 1)
FBGA (0.75-0.8, Pb-Free)	130	0	0	None
FBGA (1.0, Pb-Free)	77	0	0	None
VFBGA (0.75-0.8, 0.3mm)	376	0	0	None
VFBGA (0.75-0.8, 0.3mm, Pb-Free)	861	33	3.83%	Copper Migration-33 (see Note 2)
PBGA (Heat Spreader)	23	0	0	None
PBGA (Pb-Free)	182	0	0	None
PDIP	230	0	0	None
PDIP (Pb-Free)	725	0	0	None
PLCC	327	0	0	None
PLCC (Pb-Free)	227	0	0	None
QFN (COL, Pb-Free)	90	0	0	None
QFN (Punch Type, Pb-Free)	845	0	0	None
QFN (Saw Type, Pb-Free)	152	0	0	None
QSOP (Pb-Free)	167	0	0	None
SNC	45	0	0	None
SNC (Pb-Free)	90	0	0	None
SOIC	624	0	0	None
SOIC (Pb-Free)	876	0	0	None
SSOP	358	0	0	None
SSOP (Pb-Free)	957	0	0	None
SOIC (J lead)	347	0	0	None
SOIC (J lead, Pb-Free)	726	0	0	None
TQFP	197	0	0	None
TQFP (Pb-Free)	758	0	0	None
TQFP (Thermal, Pb-Free)	43	0	0	None
TSOP (Pb-Free)	149	0	0	None
TSOP I (Pb-Free)	219	0	0	None
TSOP II	359	0	0	None
TSOP II (Pb-Free)	1,154	5	0.43%	Die edge delam-5 (see Note 1)
RTSOP (Pb-Free)	229	0	0	None
TSSOP	368	0	0	None
TSSOP (Pb-Free)	546	0	0	None
Grand Total	12,831	44	0.34%	See above

Notes: 1) CAR 200621012.
2) CAR 200718023.

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
U160	90	0	0	None
FBGA (0.75-0.8)	1,582	0	0	None
FBGA (0.75-0.8, Pb-Free)	850	0	0	None
FBGA (1.0)	1,633	0	0	None
FBGA (1.0, Pb-Free)	460	0	0	None
VFBGA (0.75-0.8, 0.3mm)	1,467	0	0	None
VFBGA (0.75-0.8, 0.3mm, Pb-Free)	5,209	0	0	None
PBGA (1.27)	1,027	0	0	None
PBGA (Cavity/Heatsink)	295	0	0	None
PDIP	836	0	0	None
PDIP (Pb-Free)	1,963	0	0	None
PLCC	894	0	0	None
PLCC (Pb-Free)	607	2	0.33%	Cut wedge-2 (see Note 1)
PQFP	150	0	0	None
PQFP (Pb-Free)	505	0	0	None
QFN (COL, Pb-Free)	292	1	0.34%	Cut wedge-1 (see Note 2)
QFN (Punch Type, Pb-Free)	5,398	0	0	None
QFN (Saw Type, Pb-Free)	1,110	0	0	None
QSOP (Pb-Free)	820	0	0	None
SNC	298	0	0	None
SNC (Pb-Free)	250	0	0	None
SOIC	2,183	0	0	None
SOIC (Pb-Free)	4,836	20	0.41%	Cut wedge-20 (see Note 3)
SSOP	932	0	0	None
SSOP (Pb-Free)	5,393	0	0	None
SOIC (J lead)	1,196	0	0	None
SOIC (J lead, Pb-Free)	3,150	0	0	None
TQFP	754	0	0	None
TQFP (Pb-Free)	4,212	0	0	None
TQFP (Thermal, Pb-Free)	314	0	0	None
TSOP (Pb-Free)	1,513	0	0	None
TSOP I (Pb-Free)	1,058	0	0	None
TSOP II	1,275	0	0	None
TSOP II (Pb-Free)	2,895	0	0	None
RTSOP (Pb-Free)	90	0	0	None
TSSOP	1,612	0	0	None
TSSOP (Pb-Free)	2,804	0	0	None
Grand Total	59,953	23	0.04%	See above

Notes: 1) CAR 200717038.
2) CAR 200651017.
3) CAR 200726033.



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
CLCC	30	0	0	None
FBGA (0.75-0.8)	951	0	0	None
FBGA (0.75-0.8, Pb-Free)	760	0	0	None
FBGA (1.0)	248	0	0	None
FBGA (1.0, Pb-Free)	200	0	0	None
VFBGA (0.75-0.8, 0.3mm)	976	0	0	None
VFBGA (0.75-0.8, 0.3mm, Pb-Free)	1,460	0	0	None
PBGA (1.27)	410	0	0	None
PBGA (Cavity/Heatsink)	200	0	0	None
PBGA (Pb-Free)	135	0	0	None
PDIP	559	0	0	None
PDIP (Pb-Free)	1,192	0	0	None
PGA	22	0	0	None
PLCC	660	0	0	None
PLCC (Pb-Free)	560	0	0	None
PQFP	100	0	0	None
PQFP (Pb-Free)	356	0	0	None
QFN (COL, Pb-Free)	100	0	0	None
QFN (Punch Type, Pb-Free)	2,609	0	0	None
QSOP (Pb-Free)	354	0	0	None
SNC	200	0	0	None
SNC (Pb-Free)	150	0	0	None
SOIC	1,017	0	0	None
SOIC (Pb-Free)	2,888	0	0	None
SSOP	657	0	0	None
SSOP (Pb-Free)	4,605	0	0	None
SOIC (J lead)	862	0	0	None
SOIC (J lead, Pb-Free)	1,558	0	0	None
TQFP	642	0	0	None
TQFP (Pb-Free)	1,993	0	0	None
TSOP (Pb-Free)	683	0	0	None
TSOP I (Pb-Free)	457	0	0	None
TSOP II	937	0	0	None
TSOP II (Pb-Free)	1,367	0	0	None
TSSOP	998	0	0	None
TSSOP (Pb-Free)	2,861	0	0	None
Grand Total	33,757	0	0	None

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}).

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

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: 7/3/2006

To: 7/1/2007

Technology	Division	EvalNum	TV	Device	Temp	Volt	Readout	SS	Rejects	FA	Results
B53	CCD	MR063079	R1	CY7B993V-2AC	125	4.2	96	300			
	CCD	MR064035	R1	CY7B994V-5AI	125	4.2	96	298			
	DCD	MR072030	R1	CY7B994V-2AXC	125	4.2	96	300			
Summary for Technology = B53 (3 records)								898	0		
Sum											
C8	CCD	61302	R1A	CY7C68053-56BAXI	125	3.3	96	540			
	CCD	61302	R1A1	CY7C68053-56PVXI	125	3.3	96	500			
	DCD	61603	1	CYWB0124AB-BVXI	125	3.8	96	483			
	DCD	61603	3	CYWB0124AB-BVXIES	125	3.8	96	285			
	DCD	61603	1(1)	CYWB0124AB-BVXI	125	3.8	96	296			
	DCD	61603	1(2)	CYWB0124AB-BVXI	125	3.8	96	24			
	DCD	61603	2B	CYWB0124AB-BVXI	125	3.8	96	285			
	DCD	61603	2B(1)	CYWB0124AB-BVXI	125	3.8	96	285			
	DCD	61603	2B(2)	CYWB0124AB-BVXI	125	3.8	96	234			
	DCD	61603	3(1)	CYWB0124AB-BVXIES	125	3.8	96	193			
	DCD	61603	3(2)	CYWB0124AB-BVXIES	125	3.8	96	192			
	DCD	61603	3(3)	CYWB0124AB-BVXIES	125	3.8	96	134			
	MID	62305	R1	CY7C68013A-56PVXC	125	3.8	96	569			
	MID	62305	R1A	CY7C68013A-56PVXC	125	3.8	124	429			
	CCD	63803	R4	CYK256K16SCBU-70BVXI	125	3.8	96	1,283			
	CCD	63803	R5	CYK256K16SCBU-70BVXI	125	3.8	96	902			
	CCD	63803	R6	CYK256K16SCBU-70BVXI	125	3.8	96	641			
	CCD	63803	R8	CYK256K16SCBU-70BVXI	125	3.8	96	300			
	CCD	65105	R1	CY7C68013A-100AXC	125	3.8	96	428			
	CCD	65105	R4	CY7C68013A-56PVXCT	125	3.8	96	590			
	CCD	65105	R4(1)	CY7C68013A-56PVXCT	125	3.8	96	389			
	CCD	65105	R4(2)	CY7C68013A-56PVXCT	125	3.8	96	530			
	CCD	65201	R1	CY7C68053-56PVC	150	3.8	48	338			
	CCD	MR063108	R1	CY7C68300B-56PVXC	125	3.8	96	299			
	CCD	MR071037	R1	CY7C68300B-56PVXC	125	3.8	168	298			
	CCD	MR072034	R1	CY7C68300C-56PVXC	150	3.8	96	300			
Summary for Technology = C8 (26 records)								10,747	0		
Sum											
C9	DCD	62502	3	7C08352AC-GBYCB	125	2.07	24	259			
	MID	63807	R1	CY7C1021DV33	150	3.77	48	3,391	1	063807-1E1	1-Particle defect
	DCD	64204	2	7C08632AC-GBYCB	125	2.14	96	429			
	MID	64508	R1A	CY7C1041DV33	150	3.77	48	1,077			
	MID	64508	R1B	CY7C1041DV33	150	3.77	48	1,099			
	MID	64508	R2A	CY7C1041DV33	150	3.77	48	1,661			
	MID	64508	R2B	CY7C1041DV33	150	3.77	48	1,660			
	MID	64508	R3A	CY7C1041DV33	150	3.77	48	1,691			
	MID	64508	R3B	CY7C1041DV33	150	3.77	48	1,725			
	MID	MR063099	R1	CY7C1041DV33-10ZSXI	150	3.77	48	1,169			
	MID	MR063100	R1	CY7C1041DV33-10ZSXI	150	3.77	48	1,170			
	MID	MR063123	R1	CY7C1041DV33-10ZSXI	150	3.77	48	2,671	17	MR063123-1E1	17-Particle Defect and LI Bridging
	MID	MR063126	R1	CY7C1041DV33-10ZSXI	150	3.77	48	2,966	2	MR063126-1E1	2-Particle Defect and LI Bridging
	MID	MR063128	R1	CY7C1041DV33-10ZSXI	150	3.77	48	1,181	2	MR063128-1E1	2-Particle Defect and LI Bridging
	MID	MR064065	R1	CY7C1021DV33	150	3.77	48	2,590			
	MID	MR064094	R1	7C1321NC-RZWI	150	3.77	48	2,359			
	MID	MR064095	R1	7C1321NC-RZWI	150	3.77	48	2,590			
	MID	MR064096	R1	7C1341NC-RZWI	150	3.77	48	3,688			

	MID	MR064097	R1	7C1541NC-RZWIB	150	4.3	48	1,797	
Summary for Technology = C9 (19 records)									
Sum									
CMOS2AN	DCD	54004	R1A	VIC068B-UM	150	5.75	48	125	22
	DCD	54004	R1B	VIC068B-UM	150	5.75	48	175	
	DCD	54004	R1C	VIC068B-UM	150	5.75	48	4	
	DCD	54004	R1D	VIC068B-UM	150	5.75	48	189	
	DCD	54004	R1E	VIC068B-UM	150	5.75	48	124	
	DCD	54004	R2	VIC068B-UM	150	5.75	48	288	
	DCD	54004	R3	VIC068B-UM	150	5.75	48	185	
	DCD	54004	R1	VIC068B-UM	150	5.75	48	18	
Summary for Technology = CMOS2AN (8 records)									
Sum									
L28	CCD	MR063078	R1	CY2292FZXT	150	3.8	48	300	0
	DCD	MR072031	R1	CY229FZX	150	3.8	48	300	
Summary for Technology = L28 (2 records)									
Sum									
L8	CCD	53301	2	7C850003BC-MSZC	150	2.35	48	531	0
	CCD	53301	3	7C850003BC-MSZC	150	2.35	48	500	
	CCD	53301	2(1)	7C850003BC-MSZC	150	2.35	48	530	
	CCD	64202	R1	CY2544CES	150	2.07	48	540	
	CCD	64202	R1A	CY2544CES	150	2.07	48	540	
Summary for Technology = L8 (5 records)									
Sum									
P26	CCD	MR063088	R1	CY7C64013A-SXC	150	5.5	60	299	0
Summary for Technology = P26 (1 record)									
Sum									
POWER 165	MID	MR063072	R1	CYK512K16SCCAU-70BAI	125	4.5	120	299	0
Summary for Technology = POWER 165 (1 record)									
Sum									
PROM20NX	MID	MR064070	R1	CYK256K16MCBU-70BVXI	125	3.8	96	300	0
Summary for Technology = PROM20NX (1 record)									
Sum									
PROMOS S12	MID	MR063101	R1	CYU01M16SCEU-70BVXI	125	2	96	4,551	0
	MID	MR063130	R1	CYU01M16SFCU	125	2	96	3,119	
Summary for Technology = PROMOS S12 (2 records)									
Sum									
R21	MID	MR063067	R1	CY7C128A-15PC	150	5.75	48	292	0
	MID	MR063082	R1	CY7C128A-45PC	150	5.75	48	300	
Summary for Technology = R21 (2 records)									
Sum									
R28	DCD	MR063116	R1	CY7C146-55JXC	150	7	48	300	0
Summary for Technology = R28 (1 record)									
Sum									
R42	MID	MR063070	R1	CY62256LL-70ZXC	125	5.75	96	300	0
	MID	MR063081	R1	CY7C199-25VC	150	5.75	48	300	
	DCD	MR063110	R1	CY7C9689A-AXC	125	5.75	96	295	
	DCD	MR071059	R1	CY2212ZXC-2	150	3.8	60	299	
	DCD	MR071060	R1	CY2212ZXC-2	150	3.8	60	299	
Summary for Technology = R42 (5 records)									
Sum									
R5	DCD	62201	R1A	CYDMX256A16-90BVXI	125	3.45	96	193	0
	DCD	62201	R1B1	CYDCX256A16-90AXI	150	3.45	48	394	
	DCD	62201	R1B2	CYDCX256A16-90AXI	150	3.45	48	91	
	DCD	62201	R1C	CYDCX256A16-90AXI	150	3.45	48	400	
	MID	MR063042	R1	CY7C199-20VXC	150	3.8	48	300	
	MID	MR063055	R1	CY62128BLL-70SCT	150	5.75	48	300	
	MID	MR063063	R1	CY7C109B-15VC	150	3.8	48	298	
	MID	MR063064	R1	CY7C199B-12VC	150	3.8	60	300	
	MPD	MR072023	R1	CY7C109B-15VXC	150	3.8	48	332	
	CCD	MR072039	R1	CY62128BLL-70SXE	150	5.75	24	200	

	MID	MR072040	R1	CY62128BLL-70ZXE	150	5.75	24	158		
Summary for Technology = R5 (11 records)										
	Sum							2,966	0	
R7	MID	64901	R1	CY7C1020CV26	150	2.3	24	2,871		
	MID	64901	R1	CY7C1020CV26	150	2.3	48	2,870		
	MID	64901	R1A	CY7C1020CV26	150	2.3	24	3,154		
	MID	64901	R1A	CY7C1020CV26	150	2.3	48	3,151		
	MID	64901	R1B	CY7C1020CV26	150	2.3	24	2,920		
	MID	64901	R1B	CY7C1020CV26	150	2.3	48	2,898		
	MID	64901	R2	CY7C1020CV26	150	2.3	24	3,246		
	MID	64901	R2	CY7C1020CV26	150	2.3	24	3,246		
	MID	64901	R2	CY7C1020CV26	150	2.3	48	3,224		
	MID	64901	R2A	CY7C1020CV26	150	2.3	24	3,519		
	MID	64901	R2A	CY7C1020CV26	150	2.3	48	3,473		
	MID	64901	R2B	CY7C1020CV26	150	2.3	24	3,549		
	MID	MR053054	R1	CY7C1021CV33-12VI	150	5.5	48	300		
	MID	MR062092	R1	CG5988AF	150	3.8	48	589		
	MID	MR062093	R1	CG5988AF	150	3.8	48	801		
	MID	MR062094	R1	CG5988AF	150	3.8	48	1,370		
	MID	MR062095	R1	CG5988AF	150	3.8	48	784		
	MID	MR063021	R1	CY7C1021CV33-10ZXC	150	2.3	48	300		
	MID	MR063041	R1	CY7C1041CV33-10ZI	150	3.8	48	300		
	MID	MR063073	R1	CY7C1020CV33-15ZSXE	150	2.3	24	298		
	MID	MR064018	R1	CY7C1020CV26-15ZSXE	150	5.5	48	3,174		
	MID	MR064018	R1A	CY7C1020CV26-15ZSXE	150	5.5	48	3,792		
	MID	MR064018	R1B	CY7C1020CV26-15ZSXE	150	5.5	48	3,857		
	MID	MR071011	R1	CY7C1021CV33-15VXC	150	2.3	60	300		
	MID	MR071012	R1	CY7C1021CV33-15VXC	150	2.3	60	300		
	CCD	MR071013	R1	CY8C27443-24PVXI	125	5.5	120	299		
	MID	MR071014	R1	CY7C1041CV33-15VXC	150	2.3	60	299		
	MID	MR071074	R1	CY7C1021CV33-10ZXI	150	2.75	24	187		
	MID	MR071074	R2	CY7C1021CV33-10ZXI	150	2.75	24	179		
	MID	MR071074	R3	CY7C1021CV33-10ZXI	150	2.75	24	166		
	MID	MR071074	R4	CY7C1021CV33-10ZXI	150	2.75	24	179		
	MID	MR071074	R5	CY7C1021CV33-10ZXI	150	2.75	24	104		
	MID	MR071074	R6	CY7C1021CV33-10ZXI	150	2.75	24	127		
	MID	MR071074	R7	CY7C1021CV33-10ZXI	150	2.75	24	50		
	MID	MR071074	R8	CY7C1021CV33-10ZXI	150	2.75	24	27		
	MID	MR071074	R9	CY7C1021CV33-10ZXI	150	2.75	24	22		
Summary for Technology = R7 (36 records)										
	Sum							55,925	0	
R8	MID	62305	R2A	CY62157DV30LL	125	2.4	96	2,665		
	MID	62305	R2B	CY62157DV30LL	125	2.4	96	875		
	MID	63901	R1	CY62167DV30LL	125	2.4	96	1,540	1	063901-1E1 1-SAC distance <100A
	MID	63901	R2	CY62167DV30LL	125	2.4	96	961		
	MID	63901	R3	CY62167DV30LL	125	2.4	96	996		
	MID	64505	R1	CY62167DV30	125	2.4	96	2,145		
	MID	64505	R2	CY62167DV30	125	2.4	96	2,631		
	MID	71203	R1	CY62167DV30	125	2.4	96	731		
	MID	71902	R1	CY62157DV30LL-70BVXI	125	2.4	96	1,504		
	MID	71902	R2	CY62157DV30LL-70BVXI	125	2.4	96	1,009		
	MID	71902	R3	CY62157DV30LL-70BVXI	125	2.4	96	500		
	MID	MR063071	R1	CY62146DV30LL-55ZSX	125	2.4	96	299		
	MID	MR063077	R1	CY62147DV30LL-55BVI	125	2.4	96	300		
	MID	MR063083	R1	CY62147DV30LL-70ZSXI	150	2.4	48	300		
	MID	MR064039	R1	CY62157DV30LL-45ZSXI	125	2.4	96	299		
	MID	MR064040	R1	CY62147DV30LL-70BVI	125	1.85	96	297		
	MID	MR064041	R1	CY62157DV30LL-55BVI	125	1.85	80	299		
	MID	MR071019	R1	CY62146DV30LL-70ZSXI	125	2.4	96	261		
	MID	MR071020	R1	CY62146DV30LL-70ZSXI	125	2.4	108	299		
	MID	MR072012	R1	CY62146DV30LL-70ZSXI	125	2.4	96	357		

	MID	MR072013	R1	CY62146DV30LL-70ZSXI	125	2.4	96	359			
	MID	MR072036	R1	CY62147DV30L-55ZSXE	125	2.4	96	300			
Summary for Technology = R8 (22 records)											
	Sum							18,927	1		
R9	MID	71001	R1	CY7C1471BV25	150	2.2	48	1,391			
	CCD	71201	R1A1	CY7C1370	150	2.25	48	606			
	CCD	71201	R1A2	CY7C1370	150	2.25	48	2,172			
	CCD	71201	R1B1	CY7C13830	150	2.25	48	4,968			
	MID	71209	R1	CY7C1370D	150	2.25	96	1,703			
	MID	71209	R2	CY7C1370D	150	2.25	48	2,574			
	MID	MR063003	R1	CY7C1370	150	2.3	48	3,233			
	MID	MR063004	R1	CY7C1370	150	2.3	48	3,384			
	MID	MR063005	R1	CY7C1370	150	2.3	48	2,586			
	MID	MR063006	R1	CY7C1354CV25-166AXC	150	2.88	48	3,511			
	MID	MR063093	R1	CY7C1354CV25-166AXC	150	2.88	48	3,510			
	MID	MR063094	R1	CY7C1354CV25-166AXC	150	2.88	48	3,475			
	MID	MR063121	R1	CY7C1313BV18	150	2.25	48	1,173			
	MID	MR064086	R1	CY7C1370	150	2.25	48	203			
	MID	MR064087	R1	CY7C1370	150	2.25	48	455			
	MID	MR064088	R1	CY7C1370	150	2.25	48	135	1	MR064088-1E1	1-No visual defect
	MID	MR064089	R1	CY7C1370	150	2.25	48	606			
	MID	MR064090	R1	CY7C1370	150	2.25	48	860			
	MID	MR064091	R1	CY7C1370	150	2.25	48	1,005			
	MID	MR064092	R1	CY7C1370	150	2.25	48	2,172			
	MID	MR064093	R1	CY7C13830	150	2.25	48	4,968			
Summary for Technology = R9 (21 records)											
	Sum							44,690	1		
R95	MID	54911	R1	CY62157ELL	150	1.85	24	699			
	MID	54911	R1A	CY62157ELL	150	1.85	24	1,299			
	MID	54911	R1B	CY62157ELL	150	1.85	24	1,448			
	MID	54911	R2	CY62157ELL	150	1.85	48	728			
	MID	54911	R2A	CY62157ELL	150	1.85	48	762			
	MID	54911	R2B	CY62157ELL	150	1.85	48	1,030			
	MID	54911	R2C	CY62157ELL	150	1.85	48	898			
	MID	54911	R3	CY62157ELL	150	1.85	48	1,340			
	MID	54911	R3A	CY62157ELL	150	1.85	48	1,435			
	MID	54911	R3B	CY62157ELL	150	1.85	48	682			
	MID	61805	R2	CY62126EV30LL-45ZSXI	125	1.85	48	3,813			
	MID	61805	R2A	CY62126EV30LL-45ZSXI	125	1.85	48	3,811			
	MID	61805	R2B	CY62126EV30LL-45ZSXI	125	1.85	48	2,901			
	MID	61805	R2C	CY62126EV30LL-45ZSXI	125	1.85	48	1,002			
	MID	61806	R4	7C62147F	125	1.85	48	2,621			
	MID	61806	R4A	7C62147F	125	1.85	48	2,644			
	MID	61806	R4B	7C62147F	125	1.85	48	2,565			
	MID	61806	R4C	7C62147F	125	1.85	48	2,520			
	MID	62206	R1	7C62135GC	125	1.85	96	1,519			
	MID	64401	R1	CY62126EV30LL	125	1.85	96	1,458			
	MID	64401	R2	CY62126EV30LL	125	1.85	96	3,700			
	MID	64401	R3	CY62126EV30LL	125	1.85	96	2,858			
	MID	64504	R1	CY62157EV30	125	1.85	96	1,315			
	MID	64504	R2A	CY62157EV30	125	1.85	96	1,545			
	MID	64504	R2B	CY62157EV30	125	1.85	96	300			
	MID	64504	R3	CY62157EV30	125	1.85	96	1,390			
	MID	71103	R2	CY62157ELL	125	5.5	48	1,410			
	MID	71103	R2A	CY62157ELL	125	1.85	48	1,497			
	MID	71103	R2B	CY62157ELL	125	1.85	48	1,535			
	MID	71103	R3	CY62157ELL	125	1.85	48	1,427			
	MID	71103	R3A	CY62157ELL	125	1.85	48	1,469			
	MID	71103	R3B	CY62157ELL	125	1.85	48	1,386			
	MID	71103	R4	CY62157ELL	125	1.85	48	1,490			
	MID	71103	R4A	CY62157ELL	125	1.85	48	1,400			

MID	71103	R4B	CY62157ELL	125	1.85	48	1,444
MID	71302	R1	CY62167EV30	125	1.85	96	1,909
MID	71302	R2	CY62167EV30	125	1.85	96	1,833
MID	71403	R1	CY62167EV18LL	125	2.2	96	1,546
MID	71403	R2	CY62167EV18LL	125	2.2	96	1,599
MID	71403	R3	CY62167EV18LL	125	2.2	96	2,409
MID	72002	R1	7C62137GC	125	1.85	48	3,742
MID	72002	R2	7C62137GC	125	1.85	48	3,792
MID	72002	R3	7C62137GC	125	1.85	48	3,637
MID	MR062086	R1	CY62147	125	1.85	96	2,081
MID	MR063095	R1	CY62146EV30L	125	1.85	96	1,311
MID	MR063096	R1	CY62146VLL	125	1.85	96	2,435
MID	MR063097	R1	CY62146VLL	125	1.85	96	1,301
MID	MR063098	R1	CY62146VLL	125	1.85	96	2,609
MID	MR063124	R1	CY62146VLL	125	1.85	96	1,227
MID	MR063125	R1	CY62148EV30LL	125	1.85	96	1,280
MID	MR064064	R1	CY62146EV30L	125	2.4	96	4,800
MID	MR064064	R2	CY62146EV30L	125	2.4	96	2,000
MID	MR064064	R3	CY62146EV30L	125	2.4	96	3,100
MID	MR071078	R1	CY62157EV30LL-45ZSXI	125	1.85	48	1,490
MID	MR071078	R2	CY62157EV30LL-45ZSXI	125	1.85	48	1,409
MID	MR071078	R3	CY62157EV30LL-45ZSXI	125	1.85	48	1,444
MID	MR071079	R1	CY62157EV30LL-45ZSXI	125	1.85	48	1,410
MID	MR071079	R2	CY62157EV30LL-45ZSXI	125	1.85	48	1,497
MID	MR071079	R3	CY62157EV30LL-45ZSXI	125	1.85	48	1,535
MID	MR071080	R1	CY62157EV30LL-45ZSXI	125	1.85	48	1,427
MID	MR071080	R2	CY62157EV30LL-45ZSXI	125	1.85	48	1,469
MID	MR071080	R3	CY62157EV30LL-45ZSXI	125	1.85	48	1,386

Summary for Technology = R95 (62 records)

Sum **115,019** **0**

S12	MID	MR063102	R1	CYU01M16SCCU	125	2	96	1,418
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Summary for Technology = S12 (1 record)

Sum **1,418** **0**

S4	CCD	60208	R1	CY8C20334-PVXI	125	5.5	96	180
CCD	60208	R1A	CY8C20334-PVXI	125	5.5	96	820	
CCD	60605	R2D	CY8C24494-24PVXI	125	5.5	96	146	
CCD	60605	R3A	CY8C24494-24PVXT	125	5.5	96	153	
CCD	60605	R3B	CY8C24494-24PVXT	125	5.5	96	150	
CCD	60605	R3C	CY8C24494-24PVXT	125	5.5	120	151	
CCD	60605	R3D	CY8C24494-24PVXT	125	5.5	96	231	
CCD	60605	R3E	CY8C24494-24PVXT	125	5.5	96	148	
CCD	60605	R3F	CY8C24494-24PVXT	125	5.5	96	74	
CCD	62509	R1	CY8C21534-24PVXI	125	5.5	96	1,000	
CCD	63002	R2	CY8C24423A-PVXI	125	3.3	96	665	
CCD	63002	R2A	CY8C24423A-PVXI	125	3.3	96	334	
CCD	63003	R1	CY7C53120E4-40SI	150	5.75	48	990	
CCD	63003	R2	CY8C24423A-24PVXI	125	5.5	96	998	
CCD	63003	R4	CY8C24423A-24PVXI	125	5.5	96	1,693	
CCD	63003	R5	CY8C24423A-24PVXI	125	5.5	96	1,396	
CCD	63003	R6	CY8C24423A-24PVXI	125	5.5	96	998	
CCD	63003	R6(1)	CY8C24423A-24PVXI	125	5.5	96	800	
CCD	63003	R7	CY8C24423A-24PVXI	125	5.5	96	1,997	
CCD	63003	R7(1)	CY8C24423A-24PVXI	125	5.5	96	500	
CCD	63003	R7(2)	CY8C24423A-24PVXI	125	5.5	96	600	
CCD	63003	R7(3)	CY8C24423A-24PVXI	125	5.5	96	900	
CCD	63210	R1	CY8C27443-24PVXI	125	5.5	96	1,031	
CCD	64201	R1	CY0NS1001-LBXC	125	4.2	72	348	
CCD	65001	R1	CY7C63813-PXC	125	5.5	96	789	
CCD	65001	R1A	CY7C63813-PXC	125	5.75	96	403	
CCD	70301	R1A	CY8C21534-24PVXI	125	5.5	96	400	
CCD	70301	R1B	CY8C21534-24PVXI	125	5.5	96	298	

CCD	70301	R1C	CY8C21534-24PVXI	125	5.5	96	400		
CCD	70501	R1	CS6632AF	125	5.75	96	399		
CCD	72206	R1	CY0NS1001-LBXC	125	4.2	72	955		
CCD	MR063103	R1	CY8C24494-24PVXI	125	5.5	96	251		
CCD	MR063103	R1A	CY8C24494-24PVXI	125	5.5	96	252		
CCD	MR063114	R1	CY8C21534-24PVXI	125	5.5	96	300		
CCD	MR063129	R1	CY8C21534-24PVXI	150	2.3	96	524		
CCD	MR064019	R1	CY8C21234-24SXI	125	5.5	96	350		
CCD	MR064019	R1A	CY8C21234-24SXI	125	5.5	96	215		
CCD	MR064036	R1	CY8C21334-24PVXI	125	5.5	96	300		
CCD	MR064037	R1	CY8C21234-24SXI	125	5.5	96	380		
CCD	MR064050	R1	CP6458BM-TSPI	125	5.5	96	300		
CCD	MR064098	R1	CY8C21234-24SXC	125	5.5	96	550		
CCD	MR064098	R1	CY8C21234-24SXC	125	5.5	120	545		
CCD	MR071015	R1	CY8C24423A-24PVXI	125	5.5	96	300		
CCD	MR071017	R1	CY8C21334-24PVXI	125	5.5	144	300		
CCD	MR071018	R1	CP6458BMT	125	5.5	108	300		
CCD	MR071026	R1	CY8C21334-24PVXI	125	5.5	96	300		
CCD	MR071028	R1	CY8C24223A-24PVXI	125	5.5	96	300		
CCD	MR071030	R1	CY8C21534-24PVXI	125	5.5	96	506		
CCD	MR071030	R1	CY8C21534-24PVXI	125	5.5	168	506		
CCD	MR071030	R1	CY8C21534-24PVXI	125	5.5	1000	506		
CCD	MR071069	R1	CY8C21234-24SXI	125	5.5	96	504		
CCD	MR071077	R1	CY8C21234-24SXI	125	5.5	96	495		
CCD	MR071077	R1	CY8C21234-24SXI	125	5.5	120	495		
CCD	MR072025	R1	CY8C21534-24PVXI	125	5.5	96	496		
FAB	63605	R1A	CY7CS8AT1A-35AC	150	2.07	48	74		
FAB	63605	R1B	CY7CS8AT1A-35AC	150	2.07	48	212		
FAB	63605	R1B(1)	CY7CS8AT1A-35AC	150	2.07	48	228		
Summary for Technology = S12 (57 records)									
Sum								29,436	0
STARM	CCD	MR063109	R1	CY7B991AT-5JI	125	6.6	96	300	
Summary for Technology = STARM (1 record)									
Sum								300	0
Summary for Technology = TSMC025 (0 record)									
Sum								0	0
UMC 0.18	DCD	60803	R2	CYV15G0101EQ-SXC	125	3.8	48	354	
	DCD	60803	R2	CYV15G0101EQ-SXC	125	3.8	96	353	
	DCD	60803	R2(1)	CYV15G0101EQ-SC	125	3.8	96	500	
	DCD	63804	R1A	CYV15G010EQ	125	3.8	96	354	
	DCD	63804	R1B	CYV15G010EQ	125	3.8	96	369	
	DCD	63804	R1B(1)	CYV15G010EQ	125	3.8	96	369	
	DCD	63804	R1C	CYV15G010EQ	125	3.8	96	380	
	DCD	71603	R3A	CYV15G0101EQ-SXC	125	3.8	96	384	
	DCD	MR071065	R1	CY7B993V-2AXC	125	4.2	96	300	
Summary for Technology = UMC 0.18 (11 records)									
Sum								3,363	0



Summary Detail -- LFR Performance Over Time

From: 7/3/2006

To: 7/1/2007

Technology	Division	EvalNum	TV	Device	Temp	Volt	Readout	SS	Rejects	FA	Results
B53	CCD	MR063079	R1	CY7B993V-2AC	150	2.3	168	299			
	CCD	MR063079	R1	CY7B993V-2AC	150	2.3	1000	295			
	CCD	MR064035	R1	CY7B994V-5AI	125	4.2	168	298			
	CCD	MR064035	R1	CY7B994V-5AI	125	4.2	1000	298			
	DCD	MR072030	R1	CY7B994V-2AXC	125	4.2	168	300			
	DCD	MR072030	R1	CY7B994V-2AXC	125	4.2	1000	297			
Summary for Technology = B53 (6 records)								1,787	0		
Sum											
C8	MID	62305	R1	CY7C68013A-56PVXC	125	3.8	192	179			
	MID	62305	R1	CY7C68013A-56PVXC	125	3.8	1000	179			
	CCD	63803	R4	CYK256K16SCBU-70BVXI	125	3.8	500	200			
	CCD	63803	R5	CYK256K16SCBU-70BVXI	125	3.8	500	200			
	CCD	MR063108	R1	CY7C68300B-56PVXC	125	3.8	168	299			
	CCD	MR063108	R1	CY7C68300B-56PVXC	125	3.8	1000	286			
	CCD	61302	R1A	CY7C68053-56BAXI	125	3.3	168	180			
	CCD	61302	R1A	CY7C68053-56BAXI	125	3.3	1000	180			
	CCD	65105	R1	CY7C68013A-100AXC	125	3.8	192	120			
	CCD	65105	R1	CY7C68013A-100AXC	125	3.8	1000	120			
	CCD	65201	R1	CY7C68053-56PVC	150	3.8	80	182			
	CCD	65201	R1	CY7C68053-56PVC	150	3.8	500	182			
	DCD	61603	1	CYWB0124AB-BVXI	125	3.8	168	178			
	DCD	61603	3	CYWB0124AB-BVXI	125	3.8	168	77			
	DCD	61603	2B	CYWB0124AB-BVXI	125	3.8	168	178			
	DCD	61603	1	CYWB0124AB-BVXI	125	3.8	1000	178			
	DCD	61603	3	CYWB0124AB-BVXI	125	3.8	1000	77			
	DCD	61603	2B	CYWB0124AB-BVXI	125	3.8	1000	178			
	CCD	65105	R4	CY7C68013A-56PVXCT	125	3.8	180	120			
	CCD	MR071037	R1	CY7C68300B-56PVXC	125	3.8	138	149			
	CCD	MR072034	R1	CY7C68300C-56PVXC	125	3.8	168	300			
Summary for Technology = C8 (21 records)								3,742	0		
Sum											
C9	DCD	62004	3	7C76046AC-GBBC	125	1.38	1000	115			
	DCD	62004	6	7C76046AC-GBBC	125	1.38	500	197	1	062004-6L2	1-No visual defect
	MID	64102	R4	CY7C1051DV33-10ZSXES	125	3.77	160	200			
	MID	64102	R4	CY7C1051DV33-10ZSXES	125	3.77	1000	198			
Summary for Technology = C9 (4 records)											
Sum								710	1		
CMOS2AN	DCD	54004	R1A	VIC068B-UM	150	5.75	80	76			
	DCD	54004	R1A	VIC068B-UM	150	5.75	500	75			
Summary for Technology = CMOS2AN (2 records)								151	0		
Sum											
L28	CCD	MR063078	R1	CY2292FZXT	150	3.8	80	300			
	CCD	MR063078	R1	CY2292FZXT	150	3.8	500	300			
Summary for Technology = L28 (2 records)											
Sum								600	0		
L8	CCD	53301	3	7C850003BC-MSZC	150	2.35	80	120			
	CCD	53301	3	7C850003BC-MSZC	150	2.35	500	120			
	CCD	64202	R1	CY2544CES	150	2.07	500	120			
	CCD	53301	2	7C850003BC-MSZC	150	2.35	80	120			
	CCD	53301	2	7C850003BC-MSZC	150	2.35	500	120			
Summary for Technology = L8 (5 records)								600	0		
Sum											

P26	CCD	MR063088	R1	CY7C64013A-SXC	150	5.5	80	299		
	CCD	MR063088	R1	CY7C64013A-SXC	150	5.5	512	298		
Summary for Technology = L8 (2 records)										
Sum									597	0
POWER 165	MID	MR063072	R1	CYK512K16SCCAU-70BAI	150	4.5	80	299		
	MID	MR063072	R1	CYK512K16SCCAU-70BAI	150	4.5	1000	295		
Summary for Technology = POWER 165 (2 records)										
Sum									594	0
PROM20NX	MID	MR064070	R1	CYK256K16MCBU-70BVXI	125	3.8	192	299		
	MID	MR064070	R1	CYK256K16MCBU-70BVXI	125	3.8	1000	299		
Summary for Technology = PROM20NX (2 records)										
Sum									598	0
R21	MID	MR063067	R1	CY7C128A-15PC	150	5.75	80	292		
	MID	MR063067	R1	CY7C128A-15PC	150	5.75	500	291		
	MID	MR063082	R1	CY7C128A-45PC	150	5.75	80	299		
	MID	MR063082	R1	CY7C128A-45PC	150	5.75	500	298		
Summary for Technology = R21 (4 records)										
Sum									1,180	0
R28	DCD	MR063116	R1	CY7C146-55JXC	150	7	80	300		
Summary for Technology = R28 (1 record)										
Sum									300	0
R42	MID	MR063070	R1	CY62256LL-70ZXC	125	5.75	168	300		
	MID	MR063070	R1	CY62256LL-70ZXC	125	5.75	1000	300		
	MID	MR063081	R1	CY7C199-25VC	150	5.75	92	300		
	MID	MR063081	R1	CY7C199-25VC	150	5.75	500	299		
	DCD	MR063110	R1	CY7C9689A-AXC	125	5.75	168	294		
	DCD	MR063110	R1	CY7C9689A-AXC	125	5.75	1000	280		
	DCD	MR071059	R1	CY2212ZXC-2	150	3.8	80	295		
	DCD	MR071059	R1	CY2212ZXC-2	150	3.8	500	294		
	DCD	MR071060	R1	CY2212ZXC-2	150	3.8	108	150		
	DCD	MR071060	R1	CY2212ZXC-2	150	3.8	512	150		
Summary for Technology = R42 (10 records)										
Sum									2,662	0
R5	MID	MR061023	R1	CY62128BLL-70ZAXE	150	2.3	500	80		
	MID	MR061070	R1	CY62128BLL-70ZAXE	150	5.75	408	270		
	MID	MR062046	R1	CY7C109B-15VC	150	3.8	500	299		
	MID	MR063042	R1	CY7C199-20VXC	150	3.8	80	300		
	MID	MR063042	R1	CY7C199-20VXC	150	3.8	500	298		
	MID	MR063055	R1	CY62128BLL-70SCT	150	5.75	80	299		
	MID	MR063055	R1	CY62128BLL-70SCT	150	5.75	500	299		
	MID	MR063063	R1	CY7C109B-15VC	150	3.8	80	298		
	MID	MR063063	R1	CY7C109B-15VC	150	3.8	500	298		
	MID	MR063064	R1	CY7C199B-12VC	150	3.8	80	300		
	MID	MR063064	R1	CY7C199B-12VC	150	3.8	500	300		
	MPD	MR072023	R1	CY7C109B-15VXC	150	3.8	80	332		
	MPD	MR072023	R1	CY7C109B-15VXC	150	3.8	500	332		
	CCD	MR072039	R1	CY62128BLL-70SXE	150	5.75	408	199		
	MID	MR072040	R1	CY62128BLL-70ZXE	150	5.75	408	153		
Summary for Technology = R5 (15 records)										
Sum									4,057	0
R7	MID	MR063021	R1	CY7C1021CV33-10ZXC	150	2.3	80	299		
	MID	MR063021	R1	CY7C1021CV33-10ZXC	150	2.3	500	299		
	MID	MR063041	R1	CY7C1041CV33-10ZI	150	3.8	80	298		
	MID	MR063041	R1	CY7C1041CV33-10ZI	150	3.8	500	297		
	MID	MR063073	R1	CY7C1020CV33-15ZSXE	150	2.3	408	295		
	MID	MR063073	R1	CY7C1020CV33-15ZSXE	150	2.3	408	295		
	MID	MR071011	R1	CY7C1021CV33-15VXC	150	2.3	80	300		
	MID	MR071011	R1	CY7C1021CV33-15VXC	150	2.3	512	300		
	MID	MR071012	R1	CY7C1021CV33-15VXC	150	2.3	80	300		
	MID	MR071012	R1	CY7C1021CV33-15VXC	150	2.3	512	300		
	CCD	MR071013	R1	CY8C27443-24PVXI	125	5.5	168	150		

	CCD	MR071013	R1	CY8C27443-24PVXI	125	5.5	1024	150	
	MID	MR071014	R1	CY7C1041CV33-15VXC	150	2.3	80	295	
	MID	MR071014	R1	CY7C1041CV33-15VXC	150	2.3	500	294	
Summary for Technology = R7 (14 records)									
Sum									3,872
R8	MID	MR063071	R1	CY62146DV30LL-55ZSX	125	2.4	168	294	0
	MID	MR063071	R1	CY62146DV30LL-55ZSX	125	2.4	1000	294	
	MID	MR063077	R1	CY62147DV30LL-55BVI	125	2.4	168	300	
	MID	MR063077	R1	CY62147DV30LL-55BVI	125	2.4	1024	294	
	MID	MR063083	R1	CY62147DV30LL-70ZSXI	125	2.4	96	300	
	MID	MR063083	R1	CY62147DV30LL-70ZSXI	125	2.4	168	300	
	MID	MR063083	R1	CY62147DV30LL-70ZSXI	125	2.4	1000	298	
	MID	62305	R2A	CY62157DV30LL	125	2.4	32	2,661	
	MID	62305	R2B	CY62157DV30LL	125	2.4	32	873	
	MID	62305	R2A	CY62157DV30LL	125	2.4	452	2,660	
	MID	62305	R2B	CY62157DV30LL	125	2.4	452	873	
	MID	63901	R1	CY62167DV30LL	150	2.4	80	500	
	MID	63901	R2	CY62167DV30LL	150	2.4	80	496	
	MID	63901	R1	CY62167DV30LL	150	2.4	500	500	
	MID	63901	R2	CY62167DV30LL	150	2.4	500	491	
	MID	63901	R3	CY62167DV30LL	150	2.4	500	150	
	MID	70203	R1	CY62137DV30LL	150	2.4	500	144	
	MID	MR064039	R1	CY62157DV30LL-45ZSXI	125	2.4	168	299	
	MID	MR064039	R1	CY62157DV30LL-45ZSXI	125	2.4	1012	299	
	MID	MR064040	R1	CY62147DV30LL-70BVI	125	1.85	168	296	
	MID	MR064040	R1	CY62147DV30LL-70BVI	125	1.85	1000	296	
	MID	MR064041	R1	CY62157DV30LL-55BVI	125	1.85	168	296	
	MID	MR064041	R1	CY62157DV30LL-55BVI	125	1.85	1000	264	
	MID	MR071019	R1	CY62146DV30LL-70ZSXI	125	2.4	168	261	
	MID	MR071019	R1	CY62146DV30LL-70ZSXI	125	2.4	1000	261	
	MID	MR071020	R1	CY62146DV30LL-70ZSXI	125	2.4	168	299	
	MID	MR071020	R1	CY62146DV30LL-70ZSXI	125	2.4	1000	298	
	MID	MR072012	R1	CY62146DV30LL-70ZSXI	125	2.4	168	357	
	MID	MR072012	R1	CY62146DV30LL-70ZSXI	125	2.4	500	357	
	MID	MR072012	R1	CY62146DV30LL-70ZSXI	125	2.4	1000	357	
	MID	MR072013	R1	CY62146DV30LL-70ZSXI	125	2.4	168	359	
	MID	MR072013	R1	CY62146DV30LL-70ZSXI	125	2.4	500	359	
	MID	MR072036	R1	CY62147DV30L-55ZSXE	125	5.5	168	150	
Summary for Technology = R8 (33 records)									
Sum									16,236
R9	MID	71209	R1	CY7C1370D	150	2.25	500	150	0
	MID	71209	R2	CY7C1370D	150	2.25	500	150	
Summary for Technology = R9 (2 records)									
Sum									300
R95	MID	54911	R1	CY62157ELL	150	1.85	408	50	0
	MID	71302	R1	CY62167EV30	150	1.85	80	400	
	MID	71302	R2	CY62167EV30	150	1.85	80	399	
	MID	71302	R1	CY62167EV30	150	1.85	500	400	
	MID	71302	R2	CY62167EV30	150	1.85	500	399	
Summary for Technology = R95 (5 records)									
Sum									1,648
S4	CCD	60208	R1	CY8C20334-PVXI	125	5.5	168	179	0
	CCD	60208	R1A	CY8C20334-PVXI	125	5.5	168	199	
	CCD	60208	R1	CY8C20334-PVXI	125	5.5	1000	178	
	CCD	60208	R1A	CY8C20334-PVXI	125	5.5	1000	199	
	CCD	60208	R1B	CY8C20334-PVXI	125	5.5	1000	200	
	CCD	60605	R2A	CY8C24494-24PVXI	125	5.5	168	180	
	CCD	60605	R3A	CY8C24494-24PVXT	125	5.5	168	180	
	CCD	60605	R2A	CY8C24494-24PVXI	125	5.5	1000	180	
	CCD	60605	R3A	CY8C24494-24PVXT	125	5.5	1000	180	
	CCD	60605	R3G	CY8C24494-24PVXT	125	5.5	1000	180	

CCD		63002	R2A	CY8C24423A-PVXI	125	3.3	168	179	
CCD		63002	R2A	CY8C24423A-PVXI	125	3.3	1000	179	
CCD		MR063103	R1	CY8C24494-24PVXI	125	5.5	168	251	
CCD		MR063103	R1A	CY8C24494-24PVXI	125	5.5	168	252	
CCD		MR063103	R1	CY8C24494-24PVXI	125	5.5	1000	249	
CCD		MR063103	R1A	CY8C24494-24PVXI	125	5.5	1000	252	
CCD		MR063114	R1	CY8C21534-24PVXI	150	5.5	168	300	
CCD		MR063114	R1	CY8C21534-24PVXI	150	5.5	1000	300	
CCD		MR063129	R1	CY8C21534-24PVXI	150	3.8	168	519	
CCD		MR063129	R1	CY8C21534-24PVXI	150	3.8	1024	518	
CCD		MR064019	R1	CY8C21234-24SXI	125	5.5	168	349	
CCD		MR064019	R1A	CY8C21234-24SXI	125	5.5	168	215	
CCD		MR064019	R1A	CY8C21234-24SXI	125	5.5	1000	212	
CCD		MR064019	R1	CY8C21234-24SXI	125	5.5	1012	349	
CCD		62509	R1	CY8C21534-24PVXI	125	5.5	168	180	
CCD		62509	R1	CY8C21534-24PVXI	125	5.5	1000	180	
CCD		63003	R2	CY8C24423A-24PVXI	125	5.5	168	180	
CCD		63003	R2A	CY8C24423A-24PVXI	125	5.5	168	180	
CCD		63210	R1	CY8C27443-24PVXI	125	5.5	168	180	
CCD		63210	R1	CY8C27443-24PVXI	125	5.5	1000	180	
CCD		64201	R1	CY0NS1001-LBXC	125	4.2	180	348	
CCD		65001	R1	CY7C63813-PXC	125	5.5	168	198	
CCD		65001	R1A	CY7C63813-PXC	125	5.75	168	198	
CCD		MR064036	R1	CY8C21334-24PVXI	125	5.5	168	300	
CCD		MR064036	R1	CY8C21334-24PVXI	125	5.5	1012	300	
CCD		MR064037	R1	CY8C21234-24SXI	125	5.5	168	379	
CCD		MR064037	R1	CY8C21234-24SXI	125	5.5	1012	379	
CCD		MR064050	R1	CP6458BM-TSPI	125	5.5	168	300	
CCD		MR064050	R1	CP6458BM-TSPI	125	5.5	1000	300	
CCD		MR064082	R1	CY7C64215-28PVXC	125	5.5	168	386	
CCD		MR064082	R1	CY7C64215-28PVXC	125	5.5	1000	385	
CCD		MR064098	R1	CY8C21234-24SXC	125	5.5	168	517	
CCD		MR064098	R1	CY8C21234-24SXC	125	5.5	1000	517	
CCD		MR071017	R1	CY8C21334-24PVXI	125	5.5	168	300	
CCD		MR071017	R1	CY8C21334-24PVXI	125	5.5	264	150	
CCD		MR071018	R1	CP6458BMT	125	5.5	240	150	
CCD		MR071018	R1	CP6458BMT	125	5.5	1024	150	
CCD		MR071026	R1	CY8C21334-24PVXI	125	5.5	168	300	
CCD		MR071026	R1	CY8C21334-24PVXI	125	5.5	1000	150	
CCD		MR071015	R1	CY8C24423A-24PVXI	125	5.5	240	150	
CCD		MR071015	R1	CY8C24423A-24PVXI	125	5.5	1000	150	
CCD		MR071028	R1	CY8C24223A-24PVXI	125	5.5	168	300	
CCD		MR071028	R1	CY8C24223A-24PVXI	125	5.5	1048	150	
CCD		MR071030	R1	CY8C21534-24PVXI	125	5.5	168	506	
CCD		MR071030	R1	CY8C21534-24PVXI	125	5.5	1000	506	
CCD		MR071069	R1	CY8C21234-24SXI	125	5.5	168	504	
Summary for Technology = S4 (56 records)									
Sum								15,032	0
S8	FAB	63605	R1B	CY7CS8AT1A-35AC	150	2.07	80	120	
	FAB	63605	R1B	CY7CS8AT1A-35AC	150	2.07	512	119	
Summary for Technology = S8 (2 records)									
Sum								239	0
STARM	DCD	MR062065	R1	CY7B992-2JC	125	6.6	1000	300	
	CCD	MR063109	R1	CY7B991AT-5JI	150	6.6	168	299	
	CCD	MR063109	R1	CY7B991AT-5JI	150	6.6	1000	297	
Summary for Technology = STARM (0 record)									
Sum								896	0
Summary for Technology = TSMC025 (6 records)									
Sum								0	0
UMC 0.18	DCD	60803	R2	CYV15G0101EQ-SXC	125	3.8	168	351	
	DCD	63804	R1A	CYV15G0101EQ	125	3.8	100	192	

DCD	63804	R1A	CYV15G010EQ	125	3.8	168	192
DCD	63804	R1B	CYV15G010EQ	125	3.8	168	369
DCD	63804	R1B(1)	CYV15G0101EQ	125	0	168	369
DCD	63804	R1C	CYV15G010EQ	125	3.8	168	380
DCD	63804	R1A	CYV15G010EQ	125	3.8	500	192
DCD	70504	R1A	CYV15G0102EQ-SXCES	125	3.8	168	360
DCD	70504	R1B	CYV15G0102EQ-SXCES	125	3.8	192	369
DCD	70504	R1A	CYV15G0102EQ-SXCES	125	3.8	500	360
DCD	71603	R3A	CYV15G0101EQ-SXC	125	3.8	168	380
DCD	MR071065	R1	CY7B993V-2AXC	125	4.2	168	300
DCD	MR071065	R1	CY7B993V-2AXC	125	4.2	1012	150

Summary for Technology = UMC 0.18 (13 records)

Sum 3,964 0



Summary Detail -- DRET Performance Over Time

From: 7/3/2006
To: 7/1/2007

Technology	Division	EvalNum	TV	Device	Temp	Readout	Duration	SS	Rejects	FA	Results
S4	CCD	60208	R1	CY8C20334-PVXI	150	500	500	80	0		
	CCD	60208	R1	CY8C20334-PVXI	150	1000	500	80	0		
	CCD	60605	R1A	CY8C24494-24PVXT	150	1000	832	256	0		
	CCD	60605	R1A	CY8C24494-24PVXT	150	1500	500	256	0		
	CCD	60605	R1A(1)	CY8C24494-24PVXT	150	85	85	47	0		
	CCD	60605	R1A(2)	CY8C24494-24PVXT	150	85	85	47	0		
	CCD	60605	R2A	CY8C24494-24PVXI	150	336	168	256	0		
	CCD	60605	R2A	CY8C24494-24PVXI	150	1000	832	253	0		
	CCD	60605	R2A(1)	CY8C24494-24PVXI	150	336	168	256	0		
	CCD	60605	R2A(1)	CY8C24494-24PVXI	150	1000	832	256	0		
	CCD	60605	R2A(1)	CY8C24494-24PVXI	150	1500	500	256	0		
	CCD	60605	R3A	CY8C24494-24PVXT	150	336	168	256	0		
	CCD	60605	R3A	CY8C24494-24PVXT	150	1000	832	256	0		
	CCD	60605	R3A	CY8C24494-24PVXT	150	1500	500	256	0		
	CCD	60605	R4	CY7C64215-28PVXC	150	85	85	50	0		
	CCD	62509	R1	CY8C21534-24PVXI	150	500	500	300	0		
	CCD	62509	R1	CY8C21534-24PVXI	150	1000	500	300	0		
	CCD	63210	R1	CY8C27443-24PVXI	150	168	168	76	0		
	CCD	63210	R1	CY8C27443-24PVXI	150	500	500	77	0		
	CCD	63210	R1	CY8C27443-24PVXI	150	1000	500	77	0		
	CCD	65001	R1	CY7C63813-PXC	150	500	500	77	0		
	CCD	65001	R1	CY7C63813-PXC	150	1000	500	77	0		
	CCD	70501	R1	CS6632AF	150	500	500	92	0		
	CCD	MR063103	R1	CY8C24494-24PVXI	150	500	500	76	0		
	CCD	MR063103	R1	CY8C24494-24PVXI	150	1000	500	75	0		
	CCD	MR063114	R1	CY8C21534-24PVXI	150	500	500	76	0		
	CCD	MR063114	R1	CY8C21534-24PVXI	150	1000	500	76	0		
	CCD	MR063115	R1	CY8C24123A-24SXI	150	500	500	52	0		
	CCD	MR063115	R1	CY8C24123A-24SXI	150	1000	500	52	0		
	CCD	MR063129	R1	CY8C21534-24PVXI	150	1000	500	76	0		
	CCD	MR064030	R1	CY8C24944-24LFXI	150	500	500	157	0		
	CCD	MR064030	R1	CY8C24944-24LFXI	150	1000	500	157	0		
	CCD	MR064080	R1	CY8C24994-24LFXI	150	500	500	50	0		
	CCD	MR064080	R1	CY8C24994-24LFXI	150	1000	500	50	0		
	CCD	MR064082	R1	CY7C64215-28PVXC	150	500	500	100	0		
	CCD	MR064082	R1	CY7C64215-28PVXC	150	1000	500	100	0		
	CCD	MR071029	R1	CY8C21534-24PVXI	150	500	500	160	0		
	CCD	MR071029	R1	CY8C21534-24PVXI	150	1000	500	160	0		
	CCD	MR071076	R1	CY8C24994-24LFXI	150	500	500	154	0		
	CCD	MR072003	R1	CY8C21534-24PVXI	150	500	500	154	0		
	CCD	MR072022	R1	CY8C21534-24PVXI	150	500	500	158	0		
	CCD	MR072022	R1	CY8C21534-24PVXI	150	1000	500	158	0		

Summary for Technology = S4 (42 records)

Sum 5,978 0

Summary Detail -- PCT Performance Over Time

From: 7/3/2006

To: 7/1/2007

Bldkit	Assy Site	EvalNum	TV	Device	Temp	Readout	SS	Rejects	FA	Results	
FBGA (0.75-0.8)											
BA48BQAAL	RA-CML	MR071064	R1	CY62137CVSL-70BAI	121	168	80	0			
BA48BVALE	G-TAIWAN	MR063020	R1	CY62137CV30LL-70BAI	121	168	49	0			
BA48CRALE	T-TAIWAN	MR062003	R1	CY62137CVSL-70BAI	121	168	27	0			
BA48CRALE	T-TAIWAN	MR063029	R1	CY62137CVSL-70BAIT	121	168	44	0			
BA48CRALE	T-TAIWAN	MR064017	R1	CY62137CVSL-70BAIT	121	168	49	0			
BA48CRALE	T-TAIWAN	MR071052	R1	CY62137CVSL-70BAI	121	168	79	0			
BA48DDALE	RA-CML	MR063069	R1	CYK512K16SCCAU-70BAI	121	168	45	0			
BF144AAALE	SP-TAIWN	61703	R1	CAAIC20500-2	121	168	50	0			
Summary for Package Family : FBGA (0.75-0.8) (7 records)											
Sum								423	0		
FBGA (0.75-0.8, Pb-free)											
BK48BWALL	G-TAIWAN	MR063106	R1	CY7C1021CV33-10BAXI	121	168	50	0			
BK48BWALL	G-TAIWAN	MR072032	R1	CY7C1021CV33-10BAXI	121	168	80	0			
Summary for Package Family : FBGA (0.75-0.8, Pb-Free) (2 records)											
Sum								130	0		
FBGA (1.0)											
BB165AAAGL	AT-INDONESIA	71207	R1	CY7C1305BV25	121	168	77	0			
BB256AAAGL	AT-INDONESIA	72005	R1	CYNSE70130D-125BBC	121	128	79	0			
BB256IAGE	G-TAIWAN	62004	8	7C76046AC-GBBC	121	168	48	0			
BB256IAGE	G-TAIWAN	62004	8	7C76046AC-GBBC	121	288	47	0			
BB256JAGE	G-TAIWAN	63401	1	7C08544AC-GBBC	121	168	44	0			
BB256JAGE	G-TAIWAN	63401	1	7C08544AC-GBBC	121	288	44	0			
Summary for Package Family : FBGA (1.0) (6 records)											
Sum								339	0		
FBGA (1.0, Pb-Free)											
BW100CAGL	G-TAIWAN	MR063122	R1	CY7B994V-2BBXC	121	168	50	0			
BW100EAGL	G-TAIWAN	MR064012	R1	CYV15G0101DXB-BBXC	121	168	49	0			
BW100EAGL	G-TAIWAN	MR071068	R1	CYV15G0101DXB-BBXI	121	168	80	0			
Summary for Package Family : FBGA (1.0, Pb-Free) (3 records)											
Sum								179	0		
VFBGA (0.75-0.8, 0.3mm)											
BV48ATALE	RA-CML	MR071072	R1	CY62157DV30LL-70BVIT	121	168	80	0			
BV48BAALE	G-TAIWAN	MR063019	R1	CY63157DC-GBVI	121	168	50	0			
BV48BAALE	G-TAIWAN	MR064034	R1	CY62157DV30LL-70BVI	121	168	44	0			
BV48BAALE	G-TAIWAN	MR064034	R1	CY62157DV30LL-70BVI	121	168	49	0			
BV48BLCLE	GK-CHINA	MR063084	R1	CYK128K16MCCBU-70BVI	121	168	50	0			
BV48BNALE	G-TAIWAN	63901	R1	CY62167DV30LL	121	168	44	0			
BV48BNALE	G-TAIWAN	63901	R2	CY62167DV30LL	121	168	45	0			
BV48BNALE	G-TAIWAN	63901	R2	CY62167DV30LL	121	288	45	0			
BV48BNALE	G-TAIWAN	63901	R3	CY62167DV30LL	121	168	28	0			
BV48BNALE	G-TAIWAN	63901	R3(1)	CY62167DV30LL	121	168	20	0			
BV48BNALE	G-TAIWAN	64505	R1	CY62167DV30	121	168	44	0			
BV48BNALE	G-TAIWAN	64505	R1	CY62167DV30	121	336	43	0			
BV48BNALE	G-TAIWAN	70203	R1	CY62137DV30LL	121	168	45	0			
BV48BNALE	G-TAIWAN	70203	R1A	CY62167DV30LL	121	168	34	0			
BV48BNALE	G-TAIWAN	70203	R2	CY62167DV30LL	121	168	77	0			
BV48RAALE	G-TAIWAN	MR071058	R1	CY7C1011CV33-10BVI	121	168	79	0			
Summary for Package Family : VFBGA (0.75-0.8, 0.3mm) (16 records)											
Sum								777	0		
VFBGA (0.75-0.8, 0.3mm, Pb-Free)											
BZ100CGAL	G-TAIWAN	61603	R1	CYWB0124AB-BVXI	121	168	75	0			
BZ100CGAL	G-TAIWAN	61603	R2	CYWB0124AB-BVXI	121	168	77	0			

BZ100FAAGL	AT-INDONESIA	71202	R1	CYWB0124AB-BVXI	121	168	77	0
BZ48ABAAGL	AT-INDONESIA	65103	R1	CYK256K6C9BW-70BVXI	121	168	50	0
BZ48ABAAGL	AT-INDONESIA	NR072005	R2	CYK256K16SCBU-70BVXI	121	168	79	0
BZ48ABAAGL	AT-INDONESIA	NR072005	R3	CYK256K16SCBU	121	168	77	0
BZ48ANAARL	AT-INDONESIA	71902	R1	CY62157DV30LL-70BVXI	121	168	79	0
BZ48BAALL	G-TAIWAN	64903	R1	CY62157DV30L-55BVXE	121	168	45	0
BZ48BAALL	G-TAIWAN	64903	R1	CY62157DV30L-55BVXE	121	96	45	0
BZ48BAALL	G-TAIWAN	64903	R2	CY62157DV30L-55BVXE	121	336	50	0
BZ48BAALL	G-TAIWAN	64903	R2	CY62157DV30L-55BVXE	121	96	50	0
BZ48BAGMHL	T-TAIWAN	70306	R1	CYK128K16MCBU-70BVXI	121	168	50	0
BZ48BCJALL	RA-CML	62304	R1	CY62167DV30LL	121	168	41	0
BZ48BLBLL	G-TAIWAN	MR063086	R1	CYK256K16MCBU	121	168	50	0
BZ48BTALN	RA-CML	MR063090	R1	CY62147EV18LL-45BVXIT	121	168	49	0
BZ48CGALL	RA-CML	63708	1	U02M6F9CZ-RABZI	121	168	50	0
BZ48CGALL	RA-CML	63708	1	U02M6F9CZ-RABZI	121	288	50	0
BZ48CRALL	G-TAIWAN	71302	R1	CY62167EV30	121	168	50	0
BZ48CRALL	G-TAIWAN	71405	R1	CY62167EV30	121	168	50	0
BZ48CRALL	G-TAIWAN	71405	R1	CY62167EV30	121	288	50	0
BZ48CRALL	G-TAIWAN	71405	R3	CY62167EV30	121	168	75	0
BZ56AGAGL	G-TAIWAN	MR064027	R1	CY7C68013A-56BAXC	121	168	50	0
BZ56AGAGL	G-TAIWAN	MR072018	R1	CY7C68013A-56BAXC	121	168	79	0
BZ56AVAAAL	AT-INDONESIA	63803	R1	CY7C68013A-56BAXC	121	168	45	0
BZ56AVAAAL	AT-INDONESIA	63803	R2	CY7C68013A-56BAXC	121	168	50	0
BZ56EAALL	G-TAIWAN	61302	R1	CY7C68053-56BAXI	121	168	45	0
BZ56EAALL	G-TAIWAN	61302	R1	CY7C68053-56BAXI	121	288	45	0
BZ56EAALL	G-TAIWAN	61302	R2	CY7C68053-56BAXI	121	168	55	0
BZ56EAALL	G-TAIWAN	61302	R2	CY7C68053-56BAXI	121	288	55	0
BZ56FAALE	G-TAIWAN	65201	R1A	CY7C68053-56BAXI	121	168	48	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	MR064049	R1	CY7C68053-56BAXIES	121	288	50	0
BZ56FAALE	G-TAIWAN	MR064049	R1	CY7C68053-56BAXIES	121	500	50	0
BZ56FAALE	G-TAIWAN	MR064049	R2	CY7C68053-56BAXIES	121	288	50	0
BZ56FAALE	G-TAIWAN	MR064049	R2	CY7C68053-56BAXIES	121	500	50	0
BZ56FAALE	G-TAIWAN	MR064049	R3	CY7C68053-56BAXI	121	288	48	0
BZ56FAALE	G-TAIWAN	MR064049	R3	CY7C68053-56BAXI	121	500	48	0
Summary for Package Family : VFBGA (0.75-0.8, 0.3mm, Pb-Free) (38 records)								
Sum							2,086	0
PBGA (1.27)								
BG119NALE	G-TAIWAN	MR063018	R1	CY7C1354B-166BGC	121	168	50	0
BG119QALE	G-TAIWAN	MR071066	R1	CY7C1325G-133BGC	121	168	80	0
BG119SALE	G-TAIWAN	MR064046	R1	CY7C1354CV25-166BGC	121	168	50	0
Summary for Package Family : PBGA (1.27) (3 records)								
Sum							180	0
PBGA (Cavity/Heatsink)								
BL256L2GE	G-TAIWAN	MR062099	R1	CS6614AM	121	168	40	0
BL256L2GE	G-TAIWAN	MR063117	R1	CYP15G0401DXB-BGC	121	168	43	0
Summary for Package Family : PBGA (Cavity/Heatsink) (2 records)								
Sum							83	0
PBGA (Pb-Free)								
BY484BAGL	G-TAIWAN	64204	1	7C08632AC-GBYC	121	168	47	0
Summary for Package Family : PBGA (Pb-Free) (1 record)								
Sum							47	0
PDIP								
P2831GBGB	O-INDONESIA	MR064073	R1	CY7C425-10PC	121	168	50	0
P2839GAAGB	X-THAILAND	MR064054	R1	CY7C185-25PC	121	168	50	0
P2839GAAGB	X-THAILAND	MR071039	R1	CY7C185-25PC	121	168	78	0
P2839GAGB	X-THAILAND	MR063118	R1	CY7C185-25PC	121	168	50	0
P283DGAKE	M-PHIL	MR063009	R1	CY7C344B-15PC	121	168	50	0
Summary for Package Family : PDIP (5 records)								
Sum							278	0

PDIP (Pb-Free)

PZ183AXGN	O-INDONESIA	65001	R1	CY7C63813-PXC	121	168	46	0
PZ183AXGN	O-INDONESIA	65001	R2	CY7C63813-PXC	121	168	46	0
PZ183AXGN	O-INDONESIA	65001	R3	CY7C63813-PXC	121	168	45	0
PZ183AXGN	O-INDONESIA	70501	R1	CS6632AF	121	168	77	0
PZ183AXGN	O-INDONESIA	MR063022	R1	CY7C63813-PXC	121	168	45	0
PZ183BXGL	RA-CML	MR063051	R1	CY7C63723-PXC	121	168	50	0
PZ183BXGL	RA-CML	NR063002	R1	7C63720-RAPZC	121	168	47	0
PZ183DAGN	RA-CML	MR071044	R1	CY7C63723C-PXC	121	168	80	0
PZ183DAGN	RA-CML	MR072027	R1	CY7C63723C-PXC	121	168	80	0
PZ203CHAN	O-INDONESIA	MR072035	R1	CY8C26233-24PXI	121	168	0	0
PZ2434XGN	O-INDONESIA	MR062058	R1	CY7C63743-PXC	121	168	45	0

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

Sum **561** **0**

PLCC

J32RBGAAGB	X-THAILAND	MR064023	R1	CY7B991-5JI	121	168	50	0
J32RBGAAGB	X-THAILAND	MR062098	R1	CY7B992-2JC	121	168	50	0
J32RBGAAGB	M-PHIL	MR063076	R1	CY7B991-2JC	121	168	50	0
J32RBGAAGB	X-THAILAND	MR063105	R1	CY7B991-2JC	121	168	49	0
J32RBGAAGB	M-PHIL	MR071007	R1	CY7B991-5JC	121	168	80	0
J32RFGAGB	M-PHIL	MR062097	R1	CY7C462A-25JC	121	168	43	2

Summary for Package Family : PLCC (6 records)

Sum **322** **2**

PLCC (Pb-Free)

JZ32RBGAN	M-PHIL	MR063091	R1	CY7C4221AT-MJZC	121	168	49	1
JZ32RBGAN	M-PHIL	MR064043	R1	CY7B991-5JXC	121	168	50	0
JZ32RBGAN	M-PHIL	MR071067	R1	CY7C4231-15JXC	121	168	80	0
JZ52SFGAN	M-PHIL	MR064033	R1	CY7C136-55JXC	121	168	50	0

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

Sum **229** **1**

PQFP

N52DXGAGB	G-TAIWAN	MR063007	R1	CY7C136-55NC	121	168	49	0
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Summary for Package Family : PQFP (1 record)

Sum **49** **0**

PQFP (Pb-Free)

NZ52DXGAN	G-TAIWAN	MR063111	R1	CY7C136-25NXC	121	168	50	0
NZ52DXGAN	G-TAIWAN	MR064048	R1	CY7C136-25NXC	121	168	50	0
NZ52DXGAN	G-TAIWAN	MR071073	R1	CY7C136-55NXCT	121	168	80	0

Summary for Package Family : PQFP (Pb-Free) (3 records)

Sum **180** **0**

QFN (COL, Pb-Free)

LG16AA	M-PHIL	63602	R1	CY8C20234-12LKXI	121	168	50	0
LG16AA	M-PHIL	63602	R2	CY8C20234-12LKXI	121	168	50	0
LG16AA	M-PHIL	63602	R3	CY8C20234-12LKXI	121	168	50	0

Summary for Package Family : QFN (COL, Pb-Free) (3 records)

Sum **150** **0**

QFN (Punch Type)

Summary for Package Family : QFN (Punch Type) (0 record)

Sum **0** **0**

QFN (Punch Type, Pb-Free)

LY16AGAGL	L-KOREA	71003	R1	CYV15G0101EQ-SXC	121	168	79	0
LY16AGAGL	L-KOREA	71003	R1	CYV15G0101EQ-SXC	121	288	79	0
LY32AGAGL	L-KOREA	MR071008	R1	CY8C21434-24LFXI	121	168	80	0
LY32AGAGL	L-KOREA	NR072004	R1	CP6631AM	121	168	80	0
LY32AGAGL	L-KOREA	NR072004	R2	CP6621AM	121	168	80	0
LY32BGAGL	RA-CML	64402	R1	CY8C21434-24LFXI	121	168	45	0
LY32BGAGL	RA-CML	64402	R2	CY8C21434-24LFXI	121	168	45	0
LY32BGAGL	RA-CML	64402	R3	CY8C21434-24LFXI	121	168	45	0
LY40CGAGR	L-KOREA	62301	1A	7B69103AC-LLYC	121	168	45	0
LY40CGAGR	L-KOREA	62301	1A	7B69103AC-LLYC	121	288	44	0
LY56AGAGL	L-KOREA	MR071035	R1	CY7C65630-56LFXC	121	168	80	0

LY56AGAGL	L-KOREA	MR072019	R1	CY7C62640A-LFXC	121	168	71	0
LY56DGAGL	L-KOREA	MR063036	R1	CY7C68014A-56LFXC	121	168	48	0
LY56DGAGL	L-KOREA	MR064006	R1	CY8C24794-24LFXI	121	168	50	0
LY56DGAGL	L-KOREA	MR064098	R2	8C24795AK-LLYI	121	168	90	0
LY56DGAGL	L-KOREA	MR064098	R2	8C24795AK-LLYI	121	288	90	0
LY68AGAAAGL	L-KOREA	NR064004	R1	8C24995AK-LLYI	121	168	49	0
LY68AGAAAGL	L-KOREA	NR064004	R2	CY8C24994-24LFXIT	121	168	50	0
LY68AGAAAGL	L-KOREA	NR064004	R3	8C24994AT-LLYI	121	168	79	0
LY68AGABGL	L-KOREA	MR071076	R1	CY8C24994-24LFXI	121	168	90	0
LY68AGABGL	L-KOREA	MR071076	R1	CY8C24994-24LFXI	121	288	90	0
LY68AGABGL	L-KOREA	MR072043	R1A	CS6656AAT	121	168	58	0
LY72AGAGL	L-KOREA	MR063074	R1	CY28447LFXC	121	168	50	0
LY72AGAGL	L-KOREA	MR072006	R1	CY28447LFXC	121	168	80	0
LY72AGAGL	L-KOREA	NR061002	R3	CY28447LFXC	121	168	45	0
LK32AAAAGL	L-KOREA	70305	R1	CY8C21434-24LKXI	121	168	42	0
LK32IGAGL	RA-CML	63102	R2	CY8C21434	121	168	55	0
LK32IGAGL	RA-CML	MR063010	R1	CY8C21434-24-LKXI	121	168	45	0
LK32IGAGL	RA-CML	MR071010	R1	CS6655AAA	121	168	78	0
LK32IGAGL	RA-CML	MR072041	R1	CS6655AAT	121	168	72	0
LK32IGAGL	RA-CML	NR063001	R1	CY8C21434-24LKXI	121	168	50	0
LK32IGAGL	RA-CML	NR063001	R2	CY8C21434-24LKXI	121	168	50	0
LK32IGAGL	RA-CML	NR063001	R3	CY8C21434-24LKXI	121	168	50	0
LK32IGAGL	RA-CML	NR063001	R4	CY8C21434-24LKXI	121	168	49	0
LK32IGAGL	RA-CML	NR063001	R5	CY8C21434-24LKXI	121	168	50	0
LK32IGAGL	RA-CML	NR063001	R6	CY8C21434-24LKXI	121	168	50	0
LK32IGAGL	RA-CML	NR063003	R1	CY8C21434-24LKXI	121	168	50	0
LK32IGAGL	RA-CML	NR063003	R2	CY8C21434-24LKXI	121	168	45	0
LK32IGAGL	RA-CML	NR063003	R3	CY8C21434-24LKXI	121	168	48	0

Summary for Package Family : QFN (Punch Type, Pb-Free) (39 records)

Sum **2,376** **0**

QFN (Saw Type, Pb-Free)

LQ32BAAAAGL	AT-INDONESIA	70307	R1	CY8C21434A	121	168	76	0
LQ32BAAAAGL	AT-INDONESIA	70307	R1(1)	CY8C21434A	121	168	75	0
24L QFN	AT-INDONESIA	71706	R5	8C20334A	121	168	77	0
LQ32BAAAAGL	AT-INDONESIA	71706	R7	CY8C21434A	121	168	75	0

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

Sum **303** **0**

QSOP (Pb-Free)

SQ2414AGN	R-CML	63306	R1	CY7C63743-QXC	121	168	50	0
SQ2414AGN	R-CML	MR063049	R1	CY7C63101A-QXC	121	168	50	0
SQ2414AGN	R-CML	MR064015	R1	CY7C63823-QXC	121	168	49	0
SQ2414AGN	R-CML	MR072005	R1	CY7C63743C-QXC	121	168	80	0

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

Sum **229** **0**

SNC

SN2831AHN	R-CML	MR063089	R1	CY62256VNULL-70SNC	121	168	50	0
SN2831AHN	R-CML	MR064056	R1	CY6264-70SNI	121	168	50	0

Summary for Package Family : SNC (2 records)

Sum **100** **0**

SNC (Pb-Free)

SY2831AHN	R-CML	MR063046	R1	CY62256LLL-55SXN	121	168	50	0
SY2831AHN	R-CML	MR064042	R1	CY6264-70SNXI	121	168	50	0

Summary for Package Family : SNC (Pb-Free) (2 records)

Sum **100** **0**

SOIC

S32	M-PHIL	62401	1	CY14E256L	121	168	50	0
S32	M-PHIL	62401	1	CY14E256L	121	288	45	0
S32	M-PHIL	62401	2	CY14E256L	121	168	49	0
S32	M-PHIL	62401	2	CY14E256L	121	288	49	0
S32	M-PHIL	63207	2	CY14E256L	121	168	50	0
S32	M-PHIL	63207	2	CY14E256L	121	288	45	0

S32	M-PHIL	63207	3	CY14E256L	121	168	49	0
S32	M-PHIL	63207	3	CY14E256L	121	288	49	0
S0815BAGB	O-INDONESIA	MR063023	R1	CY241V08ASC-01	121	168	45	0
S0815BAGB	O-INDONESIA	MR064002	R1	CY2304SC-1T	121	168	45	0
S0815DAGB	M-PHIL	MR063033	R1	CY2305SI-1H	121	168	50	0
S0815DAGB	M-PHIL	MR064060	R1	CY2907SL-220	121	168	50	0
S0815PAGN	RA-CML	MR063028	R1	CY271ASL-653T	121	168	50	0
S1615KAGN	RA-CML	MR063035	R1	CY2308SC-1	121	168	50	0
S1615KAGN	RA-CML	MR064055	R1	CY2292SL-1K2	121	168	49	0
S1615KAGN	RA	MR071055	R1	CY2309SC-1H	121	168	80	0
S324513GAN	R-CML	63002	R1	CY7C53120E4-40SI	121	168	50	0
S324513GAN	R-CML	63002	R1	CY7C53120E4-40SI	121	288	45	0
S324513GN	T-TAIWAN	63003	R1	CY7C53120E4-40SI	121	168	50	0
S324513GN	T-TAIWAN	63003	R1	CY7C53120E4-40SI	121	288	45	0
S324513GN	R-CML	MR063054	R1	CY62128BLL-70SI	121	168	50	0

Summary for Package Family : SOIC (21 records)

Sum **1,045** **0**

SOIC (Pb-Free)

SZ1615FAL	T-TAIWAN	63804	R1A	CYV15G010EQ	121	168	46	0
SZ1615FAL	T-TAIWAN	63804	R1A	CYV15G010EQ	121	288	46	0
SZ1615FAL	T-TAIWAN	70504	R1A	CYV15G0102EQ-SXCES	121	168	77	0
SZ1615KGN	RA-CML	MR072020	R1	CY2309SXC-1	121	168	80	0
SZ183AGAN	M-PHIL	MR063052	R1	CY7C63723-SXC	121	168	50	0
SZ183AGAN	M-PHIL	MR072028	R1	CY7C63723-SXC	121	168	78	0
SZ183CGAN	RA-CML	MR063050	R1	CY7C63723-SXC	121	168	50	0
SZ183CGAN	RA-CML	MR064009	R1	CY7C63723-SXC	121	168	50	0
SZ183CGAN	RA-CML	MR072026	R1	CY7C63723-SXC	121	168	80	0
SZ2032GAN	R-CML	MR063012	R1	CY7C63001A-SXC	121	168	50	0
SZ2035GAL	R-CML	71201	R2A	CY8C24223A-24SXI	121	168	50	0
SZ2035GAL	R-CML	MR064053	R1	CY8C24223A-24SXI	121	168	50	0
SZ2035GAL	R-CML	MR072009	R1	CY8C24223A-24SXI	121	168	76	0
SZ323ABAGS	M-PHIL	70802	A	CY14B101L-SZ45XC	121	168	50	0
SZ323ABAGS	M-PHIL	70802	A	CY14B101L-SZ45XC	121	288	50	0
SZ324514LL	R-CML	MR064021	R1	CY62148DV30LL-70SXI	121	168	50	0
SZ32457LN	R-CML	MR072007	R1	CY62128ELL-45SXI	121	168	80	0
SZ815DAGN	M-PHIL	MR071023	R1	CY2305SXC-1HT	121	168	80	0
SZ815DAGN	M-PHIL	MR072002	R1	CY2305SXI-1H	121	168	80	0
SZ815PAGN	RA-CML	71306	R1	CY25560BR	121	168	80	0
SZ815PAGN	RA-CML	71306	R1A	CY25560BR	121	168	80	0
SZ815PAGN	RA-CML	71306	R2	CY25560BR	121	168	80	0
SZ815PAGN	RA-CML	MR063011	R1	CY2305SXC-1H	121	168	50	0

Summary for Package Family : SOIC (Pb-Free) (23 records)

Sum **1,463** **0**

SSOP

O2024GAGE	M-PHIL	MR063107	R1	CY2DP3140I	121	168	49	0
O2824GAGB	T-TAIWAN	MR063025	R1	CY284000C	121	168	50	0
O2824GAGB	T-TAIWAN	MR064013	R1	CY284000C	121	168	50	0
O563AXAGN	R-CML	MR063026	R1	CY284190C	121	168	50	0
O563AXAGN	R-CML	MR064045	R1	CY284190C	121	168	50	0
O563AXAGN	R-CML	MR071027	R1	CY284190C	121	168	80	0

Summary for Package Family : SSOP (6 records)

Sum **329** **0**

SSOP (Pb-Free)

SP2023GAL	T-TAIWAN	MR063060	R1	CY8C26233-24PVXIT	121	168	48	0
SP2024AGL	M-PHIL	MR072011	R1	CG6646AA	121	168	80	0
SP2026YAN	T-TAIWAN	63208	R1	CY8C21334-24PVXI	121	168	50	0
SP2026YAN	T-TAIWAN	63208	R1	CY8C21334-24PVXI	121	288	50	0
SP2026YAN	T-TAIWAN	63208	R1	CY8C21334-24PVXI	121	500	50	0
SP2026YAN	T-TAIWAN	63208	R2	CY8C21334-24PVXI	121	168	50	0
SP2026YAN	T-TAIWAN	63208	R2	CY8C21334-24PVXI	121	288	50	0
SP2026YAN	T-TAIWAN	63208	R2	CY8C21334-24PVXI	121	500	50	0

SP2026YAN	T-TAIWAN	MR071006	R1	CY8C21334-24PVXI	121	168	80	0		
SP2029AAGL	RA-CML	NR064003	R5	CY8C21334-24PVXI	121	168	95	0		
SP2814HAL	M-PHIL	63210	R1	CY8C27443-24PVXI	121	168	47	0		
SP2814HAL	M-PHIL	63210	R1	CY8C27443-24PVXI	121	288	47	0		
SP2814HAL	M-PHIL	63210	R1	CY8C27443-24PVXI	121	500	47	0		
SP2814HAL	M-PHIL	MR064068	R1	CS6250AM	121	168	50	0		
SP28214GL	T-TAIWAN	63002	R2	CY8C24423A-PVXI	121	168	50	0		
SP28214GL	T-TAIWAN	63003	R2	CY8C24423A-24PVXI	121	168	50	0		
SP28214GL	T-TAIWAN	63003	R2	CY8C24423A-24PVXI	121	288	45	0		
SP28214GL	T-TAIWAN	MR064005	R1	CY8C24423A-24PVXI	121	168	50	0		
SP28214GL	T-TAIWAN	MR064082	R1	CY7C64215-28PVXC	121	168	99	0		
SP28214GL	T-TAIWAN	MR064082	R1	CY7C64215-28PVXC	121	288	98	0		
SP28214GL	T-TAIWAN	MR072004	R1	CY8C24423A-24PVXI	121	168	80	0		
SP28215GGL	RA-CML	MR072021	R1	CY8C1534-24PVXIT	121	168	80	0		
SP28215GLL	RA-CML	63711	R1	CY8C29466A-24PVXI	121	168	45	0		
SP28215GLL	RA-CML	63711	R4	CY8C27443-24PVXI	121	168	50	0		
SP28215GLL	RA-CML	MR071070	R1	CY8C21534-24PVXIT	121	168	97	0		
SP2821AGB	M-PHIL	62509	R1	CY8C21534-24PVXI	121	168	45	0		
SP2821AGB	M-PHIL	62509	R1	CY8C21534-24PVXI	121	288	40	5	062509-1P2	5-Passivation pinholes
SP2821AGB	M-PHIL	62509	R1	CY8C21534-24PVXI	121	500	39	0		
SP2821AGB	M-PHIL	MR071029	R1	CY8C21534-24PVXI	121	168	100	0		
SP2821AGB	M-PHIL	MR071029	R1	CY8C21534-24PVXI	121	288	100	0		
SP2822AGL	M-PHIL	60605	R1A	CY8C24494-24PVXT	121	288	50	0		
SP2822AGL	M-PHIL	60605	R1A	CY8C24494-24PVXT	121	500	50	0		
SP2822AGL	M-PHIL	60605	R2A	CY8C24494-24PVXI	121	168	50	0		
SP2822AGL	M-PHIL	60605	R2A	CY8C24494-24PVXI	121	288	43	0		
SP2822AGL	M-PHIL	60605	R2A	CY8C24494-24PVXI	121	500	42	0		
SP2822AGL	M-PHIL	60605	R3A	CY8C24494-24PVXT	121	168	50	0		
SP2822AGL	M-PHIL	60605	R3A	CY8C24494-24PVXT	121	288	50	0		
SP2822AGL	M-PHIL	60605	R3A	CY8C24494-24PVXT	121	500	49	0		
SP2822BGL	M-PHIL	NR071001	R1	CY8C24423A-12PVXIE	121	96	49	0		
SP48AAAAGR	M-PHIL	71101	1	CY14B101L-SP45XC	121	168	45	0		
SP48AAAAGR	M-PHIL	71101	1	CY14B101L-SP45XC	121	288	45	0		
SP563AAGN	R-CML	MR064026	R1	CY28410OXCT	121	168	49	0		
SP563AAGN	R-CML	MR071041	R1	CY28409OXCT	121	168	79	0		
SP563BAGL	R-CML	63103	R1	CY7C68001-56PVXC	121	168	44	0		
SP563BAGL	R-CML	MR063075	R1	CY7C68001-56PVXC	121	168	50	0		
SP563BBGL	T-TAIWAN	MR072029	R1	CY7C68013A-56PVXC	121	168	80	0		
28L SSOP	G-TAIWAN	60208	R1	CY8C20334-PVXI	121	168	50	0		
28L SSOP	G-TAIWAN	60208	R1	CY8C20334-PVXI	121	288	50	0		
Summary for Package Family : SSOP (Pb-Free) (48 records)										
Sum						2,787	5			
SOIC (J-Lead)										
V2835GAHN	R-CML	62101	R1	CY7C1599	121	168	45	0		
V2835GAHN	R-CML	MR063047	R1	CY7C199C-20VXC	121	168	50	0		
V2835GALN	R-CML	MR064011	R1	CY7C185-20VC	121	168	50	0		
V2835GALN	R-CML	MR071001	R1	CY7C185-25VC	121	168	80	0		
V32417ALE	O-INDONESIA	MR063024	R1	CY7C1019CV33-10VC	121	168	45	0		
V32421XLN	R-CML	MR064003	R1	CY7C1019CV33-12VC	121	336	50	0		
Summary for Package Family : SOIC (J-Lead) (7 records)										
Sum						320	0			
SOIC (J-Lead, Pb-Free)										
VZ2439AGS	O-INDONESIA	MR063044	R1	CY7C187/25VXC	121	168	50	0		
VZ28311LL	R-CML	MR063045	R1	CY7C199C-20VXC	121	168	50	0		
VZ2843AGN	O-INDONESIA	63506	R1(1)	CY7C106	121	168	50	0		
VZ32418LL	R-CML	NR064001	R1	7C109SMC-RVZC	121	168	50	0		
VZ32418LL	R-CML	NR064001	R2	7C109SMC-RVZC	121	168	50	0		
VZ32421LN	R-CML	MR063068	R1	CY7C1019CV33-15VXC	121	168	50	0		
VZ444ZALL	R-CML	MR063032	R1	CY7C1021CV33-15VXC	121	168	50	0		
VZ444ZALL	R-CML	MR064052	R1	CY7C1021CV33-8VXC	121	168	50	0		
Summary for Package Family : SOIC (J-Lead, Pb-Free) (8 records)										

Sum							400	0
TQFP								
A100AGAGE	G-TAIWAN	MR063092	R1	CY7C028V-20AC	121	168	50	0
A100RIALL	R-CML	MR062021	R1	CY7C1356BV25-166AC	121	168	46	0
A120CGAGE	G-TAIWAN	63605	R1A	CY7CS8AT1A-35AC	121	168	50	0
A32BXGAN	L-KOREA	MR063034	R1	CY7C4241AT-QACB	121	168	50	0
A52ASGAGE	Q-KOREA	MR064081	R1	CY7B9945V-5AC	121	168	50	0
A52ASGAGE	Q-KOREA	MR071062	R1	CY7B9973V-AC	121	168	80	0
Summary for Package Family : TQFP (6 records)								
Sum							326	0
TQFP (10 X 10)								
Summary for Package Family : TQFP (10 X 10) (0 record)								
Sum							0	0
TQFP (Pb-Free)								
AZ100RRALL	R-CML	62603	R1	CY7C1470V33	121	168	50	0
AZ100RUAGN	R-CML	65105	R1(1)	CY7C68013A-100AXC	121	168	50	0
AZ100RUAGN	R-CML	65105	R1A	CY7C68013A-100AXC	121	168	30	0
AZ100RUALN	R-CML	71201	R2A1	CY7C1345G-100AXC	121	168	50	0
AZ100RUALN	R-CML	MR064076	R1	CY7C1345G-100AXC	121	168	50	0
AZ100RULN	R-CML	MR064010	R1	CY7C1325G-133AXC	121	168	50	0
AZ100RXLL	R-CML	71201	R1A	CY7C1354CV25-166AXC	121	168	80	0
AZ100RXLL	R-CML	MR071051	R1	CY7C1354CV25-166AXC	121	168	80	0
AZ100RXLL	R-CML	MR072033	R1	CY7C1360C-166AXI	121	168	80	0
AZ100SFAL	R-CML	MR063008	R1	CY7C025-25AXC	121	168	50	0
AZ128SALL	R-CML	MR072015	R1	CY7C64713-128AXC	121	168	76	0
AZ160SDAAR	Q-KOREA	64701	R1	CY37192P160-83AXC	121	168	50	0
AZ32BXGAN	Q-KOREA	MR063080	R1	CY7C4241V-15AXC	121	168	50	0
AZ44SEGLL	R-CML	MR064061	R1	CY7C1011CV33-12AXI	121	168	50	0
AZ52ASGAL	Q-KOREA	MR064075	R1	CY7B9945V-2AXI	121	168	50	0
AZ52ASGAL	Q-KOREA	MR071005	R1	CY7B9945V-2AXI	121	168	80	0
AZ64EXGAL	G-TAIWAN	MR062102	R1	CY7C4225-15AXC	121	168	44	0
AZ64HXGAL	R-CML	MR062101	R1	CY7C4245-15AXC	121	168	50	0
Summary for Package Family : TQFP (Pb-Free) (18 records)								
Sum							1,020	0
TQFP (Thermal, Pb-Free)								
AG120ABAGR	Q-KOREA	63203	R1	CYS25G0101DX-ATXC	121	168	45	0
Summary for Package Family : TQFP (Thermal, Pb-Free) (1 record)								
Sum							45	0
TSOP (Pb-Free)								
ZT28R2AGN	R-CML	MR063030	R1	CY62256LL-70ZXI	121	168	50	0
ZT48ABBLL	T-TAIWAN	71906	R4	CY62167DV30LL	121	168	50	0
Summary for Package Family : TSOP (Pb-Free) (2 records)								
Sum							100	0
TSOP I								
Summary for Package Family : TSOP I (0 record)								
Sum							0	0
TSOP I (Pb-Free)								
ZB32RHALL	R-CML	64507	R1	CY62128BLL-55ZAXIT	121	168	50	0
ZB32RHALL	R-CML	MR063048	R1	CY62128DV30LL-55AXI	121	168	50	0
ZB32RHALL	R-CML	NR072020	R1	CY62128BLL-70ZAXI	121	168	80	0
ZB32RHALN	R-CML	MR064028	R1	CY62128EV30LL-45ZAXI	121	168	50	0
ZB32RHALN	R-CML	MR071021	R1	CY62128EV30LL-45ZAXI	121	168	80	0
ZB32RKALL	T-TAIWAN	MR064071	R1	CY62128ELL-45ZAXI	121	168	50	0
Summary for Package Family : TSOP I (Pb-Free) (6 records)								
Sum							360	0
TSOP II								
ZS324FAGE	T-TAIWAN	NR062001	R2	CY7C1019CV33-12ZCT	121	168	45	0
ZS324FAGE	T-TAIWAN	NR062001	R3	CY7C1019CV33-12ZCT	121	168	45	0
ZS444AJALN	R-CML	MR064029	R1	CY7C1021CV33-15ZC	121	168	47	0
ZS444AJALN	R-CML	MR071022	R1	CY7C1021CV33-10ZI	121	168	80	0
ZS444AKALN	R-CML	MR064022	R1	CY7C1041CV33-20ZC	121	168	50	0

ZS544AALE	G-TAIWAN	MR063015	R1	CY7C1061AV33-12ZI	121	168	50	0
ZS544AALE	G-TAIWAN	MR064044	R1	CY7C1069AV33-10ZC	121	168	45	0
Summary for Package Family : TSOP II (8 records)								
Sum							362	0
TSOP II (Pb-Free)								
ZW324CBLL	T-TAIWAN	MR064047	R1	CY62148ELL-45ZSXI	121	168	50	0
ZW444AHGLL	CML-R	62001	R2	CY7C1021D	121	288	49	0
ZW444AHGLL	CML-R	62001	R2	CY7C1021D	121	500	48	0
ZW444AHGLL	CML-R	62001	R3	CY7C1021D	121	288	48	0
ZW444AHGLL	CML-R	62001	R3	CY7C1021D	121	500	45	0
ZW444AJGN	R-CML	MR063014	R1	CY7C1021CV33-10ZXC	121	168	50	0
ZW444AJLN	R-CML	MR064059	R1	CY7C1020CV26-15ZSXE	121	168	80	0
ZW444AJLN	R-CML	MR071048	R1	CY7C1020CV33-15ZSXE	121	168	80	0
ZW444AJLN	R-CML	MR071048	R1	CY7C1020CV33-15ZSXE	121	168	80	0
ZW444ALLR	G-TAIWAN	64102	R1	CY7C1051DV33-10ZSXES	121	96	49	0
ZW444ALLR	G-TAIWAN	64102	R1	CY7C1051DV33-10ZSXES	121	168	49	0
ZW444ALLR	G-TAIWAN	64102	R2	CY7C1051DV33-10ZSXES	121	96	49	0
ZW444ALLR	G-TAIWAN	64102	R2	CY7C1051DV33-10ZSXES	121	168	49	0
ZW444AMLN	R-CML	54911	R1	CY62157ELL	121	96	50	0
ZW444AMLN	R-CML	64602	R1	CY62157DV30L	121	96	50	0
ZW444AMLN	R-CML	64602	R1	CY62157DV30L	121	168	50	0
ZW444AMLN	R-CML	71103	R1	CY62157ELL	121	168	48	0
ZW444AMLN	R-CML	71103	R1	CY62157ELL	121	96	50	0
ZW444YAGL	R-CML	63104	R8	CY7C1041D-ZSXI	121	168	50	0
ZW444YAGL	CML-R	63202	R1	CY7C1041D-ZSXI	121	168	50	0
ZW544AALL	G-TAIWAN	MR063085	R1	CY7C1069BV33-12ZXC	121	168	50	0
ZW544AALL	G-TAIWAN	MR064024	R1	CY7C1061AV33-12ZXC	121	168	50	0
ZW54BGALL	G-TAIWAN	63709	R1A	CY7C1061DV33-10ZXI	121	168	45	0
ZW54BGALL	G-TAIWAN	63709	R2	CY7C1061DV33-10ZXI	121	168	45	0
Summary for Package Family : TSOP II (Pb-free) (24 records)								
Sum							1,264	0
RTSOP								
Summary for Package Family : RTSOP (1 record)								
Sum							0	0
RTSOP (Pb-free)								
ZT32RABALL	T-TAIWAN	MR063043	R1	CY7C109B-15ZXCT	121	168	49	0
ZT32RACALL	RA-CML	63907	R1	CY7C109BN-15ZXC	121	168	50	0
ZT32RACALL	RA-CML	63907	R2	CY7C109BN-15ZXC	121	168	50	0
ZT32RZALL	T-TAIWAN	MR064078	R1	CY7C109D-10ZXI	121	168	50	0
Summary for Package Family : RTSOP (Pb-free) (4 records)								
Sum							199	0
TSSOP								
Z1613GAGB	T-TAIWAN	MR063013	R1	CY2308ZC-1H	121	168	50	0
Z1613GAGB	R-CML	MR064031	R1	CY2308ZI-1H	121	168	50	0
Z1613GAGB	T-TAIWAN	MR064032	R1	CY2308ZI-1H	121	168	50	0
Z1613GAGB	T-TAIWAN	MR071009	R1	CY2308ZI-1H	121	168	80	0
Z1619GAGN	RA-CML	MR064014	R1	CY2309ZC-1HT	121	168	50	0
Z5624BAGN	RA-CML	62602	R1	W320-03X	121	168	49	0
Z5624BAGN	R-CML	MR063104	R1	CY28409ZC	121	168	50	0
Z5624BAGN	R-CML	MR064072	R1	CY28419ZC	121	168	50	0
Summary for Package Family : TSSOP (8 records)								
Sum							429	0
TSSOP (Pb-Free)								
ZZ1614HAN	T-TAIWAN	MR071054	R1	CY26049ZXI-36	121	168	80	0
ZZ1619GAN	RA-CML	MR063027	R1	CY2309ZXC-1HT	121	168	50	0
ZZ1619GAN	RA-CML	MR064004	R1	CY2309ZXC-1H	121	168	50	0
ZZ1619GAN	RA-CML	MR071057	R1	CY2309ZXI-1H	121	168	80	0
ZZ1619GAN	RA-CML	MR071057	R1A	CY2309ZXI-1H	121	336	80	0
ZZ2813AAGL	T-TAIWAN	MR063037	R1	CY28517ZXC	121	168	50	0
ZZ2817AGL	RA-CML	MR071043	R1	CY28517ZXCT	121	168	78	0
ZZ2846AAGL	T-TAIWAN	MR064007	R1	CY28517ZXCT	121	168	50	0

ZZ5624BGN	R-CML	MR063053	R1	CY505YC56DT	121	168	49	0	
ZZ5624BGN	R-CML	MR064008	R1	CY505YC56DT	121	168	50	0	
ZZ5624BGN	R-CML	MR071002	R1	CY505YC56DT	121	168	80	0	
ZZ5624BGN	R-CML	MR072010	R1	CY505YC56DT	121	168	80	0	
ZZ6421GAGL	M-PHIL	MR063031	R1	CY5C5YC64DT	121	168	50	0	
ZZ6421GAGL	M-PHIL	MR063031	R1	CY5C5YC64DT	121	168	50	0	
ZZ642VFRHS	T-TAIWAN	64101	R1	CY505YC64DT	121	168	43	0	
ZZ642VFRHS	T-TAIWAN	64101	R2	CY505YC64DT	121	168	45	0	
Summary for Package Family : TSSOP (16 records)									
Sum								965	0



Summary Detail -- HAST Performance Over Time

From: 7/3/2006

To: 7/1/2007

Bldkit	Assy Loc	EvalNum	TV	Device	Temp	Volt	Readout	SS	Rejects	FA	Results
FBGA (0.75-0.8)											
BA48BWALE	G-TAIWAN	MR062028	R1	CY7C1021CV33-12BAI	130	3.65	128	47	1	MR062028-1A1	1-Die edge delamination
BA48CDGALE	G-TAIWAN	MR061060	R1	CY7C1041CV33-10BAI	130	5.5	128	42	5	MR061060-1A1	5-Die edge delamination
BA48ADALN	G-TAIWAN	MR062018	R1	CY62127DV30LL	130	3.6	128	45	0		
BA48CRALE	T-TAIWAN	MR063029	R1	CY62137CVSL-70BAIT	130	3.3	128	29	0		
BA48CRALE	T-TAIWAN	MR063029	R1A	CY62137CVSL-70BAIT	130	3.3	128	18	0		
BA48CRALE	T-TAIWAN	MR064017	R1	CY62137CVSL-70BAIT	130	3.6	128	21	0		
BA48CRALE	T-TAIWAN	MR064017	R1A	CY62137CVSL-70BAIT	130	3.6	128	21	0		
BA48CRALE	T-TAIWAN	MR071053	R1	CY62137CVSL-70BAI	130	3.63	128	14	0		
BA48DDALE	RA-CML	MR063069	R1	CYK512K16SCCAU-70BAI	130	3.8	128	45	0		
BF144AAALE	SP-TAIWN	61703	R1	CAAIC20500-2	130	3.47	128	47	0		
BF144AAALE	SP-TAIWN	61703	R3	CAAIC20500-2	130	3.47	128	45	0		
Summary for Package Family : FBGA (0.75-0.8) (11 records)											
Sum								374	6		
FBGA (0.75-0.8, Pb-free)											
BK48CPAGL	G-TAIWAN	MR054011	R1	CY7C67200-48BAXI	130	5.5	128	50	0		
BK48BQALL	RA-CML	MR071046	R1	CY62137CVSL-70BAXI	130	5.5	128	80	0		
Summary for Package Family : FBGA (0.75-0.8, Pb-Free) (2 records)											
Sum								130	0		
FBGA (1.0)											
BB165AAAGL	AT-INDONESIA	71207	R1	CY7C1305BV25	130	1.98	128	56	0		
BB165AAAGL	AT-INDONESIA	71207	R1A	CY7C1305BV25	130	1.98	128	21	0		
Summary for Package Family : FBGA (1.0) (2 records)											
Sum								77	0		
FBGA (1.0, Pb-Free)											
Summary for Package Family : FBGA (1.0, Pb-Free) (0 record)											
Sum											
VFBGA (0.75-0.8, 0.3mm)											
BV48BAALE	G-TAIWAN	MR063019	R1	CY63157DC-GBVI	130	3.63	128	45	0		
BV48BLCLE	GK-GAPT	MR063084	R1	CYK128K16MCCBU-70BVI	130	3.3	128	49	0		
BV48BNALE	G-TAIWAN	63901	3	CY62167DV30LL	130	3.6	128	45	0		
BV48BNALE	G-TAIWAN	63901	R1	CY62167DV30LL	130	3.6	128	44	0		
BV48BNALE	G-TAIWAN	63901	R2	CY62167DV30LL	130	3.6	47	23	0		
BV48BNALE	G-TAIWAN	63901	R3	CY62167DV30LL	130	3.6	128	45	0		
BV48BNALE	G-TAIWAN	64505	R1	CY62167DV30	130	3.6	47	40	0		
BV48BNALE	G-TAIWAN	70203	1	CY62167DV30LL	130	3.6	128	42	0		
BV48BNALE	G-TAIWAN	70203	R2	CY62167DV30LL	130	3.6	128	43	0		
Summary for Package Family : VFBGA (0.75-0.8, 0.3mm) (9 records)											
Sum								376	0		
VFBGA (0.75-0.8, 0.3mm, Pb-Free)											
BZ100CGAL	G-TAIWAN	61603	1	CYWB0124AB-BVXI	130	3.63	128	53	0		
BZ100CGAL	G-TAIWAN	61603	2A	CYWB0124AB-BVXI	130	3.63	128	77	0		
BZ48ABAAGL	AT-INDONESIA	65103	R1	CYK256K6C9BW-70BVXI	130	3.3	128	45	0		
BZ48ATALL	RA-CML	MR071040	R1	CY62157DV30LL-70BVXI	130	3.63	128	34	0		
BZ48ATALL	RA-CML	MR071040	R1	CY62157DV30LL-70BVXI	130	3.63	128	46	0		
BZ48BAAALL	G-TAIWAN	MR071038	R1	CY62157DV30LL-70BVXI	130	3.63	128	80	0		
BZ48BAALL	G-TAIWAN	64903	R1	CY62157DV30L-55BVXE		3.6	128	54	0		
BZ48BAGMHL	T-TAIWAN	70306	R1	CYK128K16MCCBU-70BVXI	130	3.3	128	42	0		
BZ48BCJALL	RA-CML	62304	R1	CY62167DV30LL	130	5.5	128	41	0		
BZ48BKALE	RA-CML	MR064079	R1	CYK256K16MCCBU-70BVXI		3.3	128	10	33	MR064079-1A1	33-Copper Migration
BZ48BKALE	RA-CML	NR054003	R2	CYK128K16MCCBU-70BVXI	130	5.5	128	49	0		
BZ48BLBLL	G-TAIWAN	MR063086	R1	CYK256K16MCCBU	130	5.5	128	19	0		
BZ48BTALN	RA-CML	MR063090	R1	CY62147EV18LL-45BVXIT	130	3.6	128	43	0		

BZ48CRALL	G-TAIWAN	71302	R1	CY62167EV30	130	3.6	128	22	0
BZ48CRALL	G-TAIWAN	71302	R1A	CY62167EV30	130	3.6	128	22	0
BZ48CRALL	G-TAIWAN	71302	R2A	CY62167EV30	130	3.6	128	38	0
BZ48CRALL	G-TAIWAN	71405	R1A	CY62167EV30	130	3.6	128	22	0
BZ48CRALL	G-TAIWAN	71405	R3	CY62167EV30	130	3.6	128	38	0
BZ48CRALL	G-TAIWAN	71405	R3A	CY62167EV30	130	3.6	128	38	0
BZ56AVAAAL	AIT-INDO	63803	R1	CY7C68013A-56BAXC	130	5.5	128	45	0
BZ56AVAAAL	AIT-INDO	63803	R2	CY7C68013A-56BAXC	121	5.5	128	43	0

Summary for Package Family : VFBGA (0.75-0.8, 0.3mm, Pb-Free) (21 records)

Sum 861 33

PBGA (1.27)

Summary for Package Family : PBGA (1.27) (0 record)

Sum

PBGA (Cavity/Heatsink)

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

Sum

PBGA (Heat Spreader)

BH388AAGE	G-TAIWN	50703	1A	7C7040AH-GBHC	130	1.58	128	23	0
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Summary for Package Family : PBGA (Heat Spreader) (1 record)

Sum 23 0

PBGA (Pb-Free)

BY484AAGL	G-TAIWAN	63706	3	7C08642AC-GBYC	130	2.06	128	48	0
BY484AAGL	G-TAIWAN	63706	5	7C08642AC-GBYCB	130	2.06	128	44	0
BY484AAGL	G-TAIWAN	63706	7	7C08642AC-GBYCB	130	2.06	128	35	0
BY484SAGL	G-TAIWAN	62503	3	7C08352BC-GBYC	130	2.06	128	9	0
BY484SAGL	G-TAIWAN	62503	6	7C08352AC-GBYCB	130	1.8	128	17	0
BY484SAGL	G-TAIWAN	62503	6(1)	7C08352AC-GBYCB	130	1.8	128	17	0
BY484SAGL	G-TAIWAN	62503	6(2)	7C08352AC-GBYCB	130	1.8	128	12	0

Summary for Package Family : PBGA (Pb-Free) (7 records)

Sum 182 0

PDIP

P2839GAAGB	X-THAILAND	MR064054	R1	CY7C185-25PC	130	5.5	128	50	0
P2839GAAGB	X-THAILAND	MR071039	R1	CY7C185-25PC	130	5.5	128	80	0
P2839GAGB	X-THAILAND	MR063118	R1	CY7C185-25PC	130	5.5	128	50	0
P283DGAKE	M-PHIL	MR063009	R1	CY7C344B-15PC	130	5.5	128	50	0

Summary for Package Family : PDIP (3 records)

Sum 230 0

PDIP (Pb-Free)

PZ183AXGN	O-INDO	65001	R1	CY7C63813-PXC	130	5.5	128	46	0
PZ183AXGN	O-INDO	65001	R2	CY7C63813-PXC	130	5.5	128	46	0
PZ183AXGN	O-INDO	65001	R3	CY7C63813-PXC	130	5.5	128	46	0
PZ183AXGN	O-INDO	70501	R1	CS6632AF	130	5.5	128	77	0
PZ183AXGN	O-INDO	MR063022	R1	CY7C63813-PXC	130	5.5	128	45	0
PZ183AXGN	O-INDO	MR071003	R1	CY7C63723C-PXC	130	5.5	128	44	0
PZ183BXGL	RA-CML	MR063051	R1	CY7C63723-PXC	130	5.5	128	49	0
PZ183BXGL	RA-CML	NR063002	R1	7C63720-RAPZC	130	5.5	128	45	0
PZ183BXGL	RA-CML	NR063002	R2	7C63720AT-RAPZC	130	5.5	128	80	0
PZ183BXGL	RA-CML	NR063002	R3	7C63720AT-RAPZC	130	5.5	128	80	0
PZ2434XGN	O-INDO	MR063061	R1	CY7C63743-PXC	130	5.5	128	45	0
PZ243DAXGS	O-INDO	MR064001	R1	CY7C63743C-PXC	130	5.5	128	45	0
PZ283EHAL	O-INDO	MR071031	R1	CY8C24423A-24PXI	130	5.25	128	77	0

Summary for Package Family : PDIP (Pb-Free) (13 records)

Sum 725 0

PLCC

J32RBGAAGB	X-THAILAND	MR064023	R1	CY7B991-5JI	130	3.6	128	50	0
J32RBGAGB	X-THAILAND	MR062098	R1	CY7B992-2JC	130	3.63	128	50	0
J32RBGAGB	M-PHIL	MR063076	R1	CY7B991-2JC	130	3.63	128	50	0
J32RBGAGB	X-THAILAND	MR063105	R1	CY7B991-2JC	130	3.63	128	50	0
J32RBGAGB	M-PHIL	MR071007	R1	CY7B991-5JC	130	3.63	128	40	0
J32RBGAGB	M-PHIL	MR071007	R1A	CY7B991-5JC	130	3.63	128	40	0
J32RFGAGB	M-PHIL	MR062097	R1	CY7C462A-25JC	130	5.5	128	47	0

Summary for Package Family : PLCC (7 records)

Sum										327	0
PLCC (Pb-Free)											
JZ32RBGAN	M-PHIL	MR063091	R1	CY7C4221AT-MJZC	130	5.5	128	50	0		
JZ32RBGAN	M-PHIL	MR064043	R1	CY7B991-5JXC	130	5.5	128	50	0		
JZ32RBGAN	M-PHIL	MR071067	R1	CY7C4231-15JXC	130	5.5	128	40	0		
JZ32RBGAN	M-PHIL	MR071067	R1	CY7C4231-15JXC	130	5.5	128	40	0		
JZ52SFGAN	M-PHIL	MR064033	R1	CY7C136-55JXC	130	5.5	128	47	0		

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

Sum										227	0
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PQFP

Summary for Package Family : PQFP (0 record)

Sum

PQFP (Pb-Free)

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

Sum

QFN (COL, Pb-Free)

LG16AA	PHIL-M	63602	R1	CY8C20234-12LKXI	130	5.5	128	45	0		
LG16AA	PHIL-M	63602	R2	CY8C20234-12LKXI	130	5.5	128	45	0		

Summary for Package Family : QFN (COL, Pb-Free) (2 records)

Sum										90	0
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QFN (Punch Type)

Summary for Package Family : QFN (Punch Type) (0 record)

Sum

QFN (Punch Type, Pb-Free)

LY56DGAGL	L-KOREA	MR063036	R1	CY7C68014A-56LFXC	130	3.63	128	48	0		
LY56DGAGL	L-KOREA	MR064006	R1	CY8C24794-24LFXI	130	5.5	128	48	0		
LY68AGAAAGL	L-KOREA	NR064004	R1	8C24995AK-LLYI	130	5.5	128	44	0		
LY72AGAGL	L-KOREA	63601	R1	CY28447LFXC	130	3.63	128	42	0		
LY72AGAGL	L-KOREA	MR063074	R1	CY28447LFXC	130	3.8	128	44	0		
LK32	CARSEM MALAYSIA	72202	R1	8C214345A	130	5.25	128	77	0		
LK32AAAAGL	L-KOREA	70305	R1	CY8C21434-24LKXI	130	5.5	128	45	0		
LK32HGAGL	RA-CML	NR062002	R4	8C21434AC-RALKI	130	5.5	128	45	0		
LK32IGAGL	RA-CML	MR063010	R1	CY8C21434-24LKXI	130	5.5	128	46	0		
LK32IGAGL	RA-CML	NR063001	R1	CY8C21434-24LKXI	130	5.25	128	46	0		
LK32IGAGL	RA-CML	NR063001	R2	CY8C21434-24LKXI	130	5.25	128	42	0		
LK32IGAGL	RA-CML	NR063001	R3	CY8C21434-24LKXI	130	5.25	128	46	0		
LK32IGAGL	RA-CML	NR063001	R4	CY8C21434-24LKXI	130	5.25	128	46	0		
LK32IGAGL	RA-CML	NR063001	R5	CY8C21434-24LKXI	130	5.25	128	45	0		
LK32IGAGL	RA-CML	NR063001	R6	CY8C21434-24LKXI	130	5.25	128	46	0		
LK32IGAGL	RA-CML	NR063003	R1	CY8C21434-24LKXI	130	5.25	128	44	0		
LK32IGAGL	RA-CML	NR063003	R2	CY8C21434-24LKXI	130	5.25	128	45	0		
LK32IGAGL	RA-CML	NR063003	R3	CY8C21434-24LKXI	130	5.25	128	46	0		

Summary for Package Family : QFN (Punch Type, Pb-Free) (18 records)

Sum										845	0
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QFN (Saw Type, Pb-Free)

LQ32BAAAAGL	AT-INDONESIA	70307	R1	CY8C21434A	130	5.25	128	76	0		
LQ32BAAAAGL	AIT-INDOENSIA	71706	R7	CY8C21434A	130	5.25	128	76	0		

Summary for Package Family : QFN (Saw Type, Pb-Free) (2 records)

Sum										152	0
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QSOP (Pb-Free)

SQ2414AGN	R-CML	MR062008	R1	CY7C637433-QXC	130	5.5	128	45	0		
SQ2414AGN	R-CML	MR063049	R1	CY7C63101A-QXC	130	5.5	128	45	0		
SQ2414AGN	R-CML	MR072005	R1	CY7C63743C-QXC	130	5.5	128	77	0		

Summary for Package Family : QFN (Pb-Free) (3 records)

Sum										167	0
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SNC

SN2831AHN	R-CML	MR063089	R1	CY62256VNULL-70SNC	130	3.8	128	45	0		
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Summary for Package Family : SNC (1 record)

Sum										45	0
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SNC (Pb-Free)

SY2831AHN	R-CML	MR063046	R1	CY62256LLL-55SXN	130	5.5	96	45	0
SY2831AHN	R-CML	MR063046	R1	CY62256LLL-55SXN	130	5.5	128	45	0
Summary for Package Family : SNC (Pb-Free) (2 records)								90	0
Sum									
SOIC									
S0815BAGB	O-INDO	MR062069	R1	CY2305SC-1HT	130	3.63	128	44	0
S0815BAGB	O-INDO	MR063023	R1	CY241V08ASC-01	130	3.63	128	45	0
S0815BAGB	O-INDO	MR064002	R1	CY2304SC-1T	130	3.63	128	44	0
S0815BAAGB	T-TAIWAN	MR071034	R1	CY2304SC-1T	130	3.3	128	77	0
S0815DAGB	M-PHIL	MR063033	R1	CY2305SI-1H	130	3.63	128	45	0
S0815DAGB	M-PHIL	MR064060	R1	CY2907SL-220	130	3.63	128	49	0
S0815PAGN	RA-CML	MR062071	R1	CY2071ASL-642	130	3.8	128	49	0
S0815PAGN	R-CML	MR063028	R1	CY271ASL-653T	130	3.63	128	50	0
S1615KAGN	R-CML	MR062016	R1	CY2292SL-1J4	130	3.8	128	48	0
S1615KAGN	RA-CML	MR063035	R1	CY2308SC-1	130	3.8	128	48	0
S1615KAGN	RA-CML	MR071055	R1	CY2309SC-1H	130	3.63	128	80	0
S324513GN	R-CML	MR063054	R1	CY62128BLL-70SI	130	5.5	128	45	0
Summary for Package Family : SOIC (12 records)								624	0
Sum									
SOIC (Pb-Free)									
SZ0815DGN	M-PHIL	53301	2	7C850003BC-MSZC	130	2.35	128	48	0
SZ0815DGN	M-PHIL	53301	2	7C850003BC-MSZC	130	2.35	256	47	0
SZ1615KGN	RA-CML	MR071056	R1	CY2309SXI-1H	130	3.63	128	80	0
SZ1615KGN	RA-CML	MR072020	R1	CY2309SXC-1	130	3.63	128	80	0
SZ183AGAN	M-PHIL	MR063052	R1	CY7C63723-SXC	130	5.5	128	49	0
SZ183AGAN	M-PHIL	NR061007	R2	CY7C63231A-SXC	130	5.5	128	44	0
SZ183CGAN	RA-CML	MR063050	R1	CY7C63723-SXC	130	5.5	128	50	0
SZ183CGAN	RA-CML	MR063050	R1	CY7C63723-SXC	130	5.5	128	50	0
SZ183CGAN	RA-CML	MR064009	R1	CY7C63723-SXC	130	5.5	128	50	0
SZ2032GAN	R-CML	MR063012	R1	CY7C63001A-SXC	130	5.5	128	49	0
SZ2035GAL	R-CML	71201	R2A	CY8C24223A-24SXI	130	5.5	128	50	0
SZ2035GAL	R-CML	MR064053	R1	CY8C24223A-24SXI	130	3.63	128	50	0
SZ2035GAL	R-CML	MR072009	R1	CY8C24223A-24SXI	130	5.25	128	50	0
SZ324514LL	R-CML	MR064021	R1	CY62148DV30LL-70SXI	130	3.6	128	49	0
SZ815DAGN	M-PHIL	MR072002	R1	CY2305SXI-1H	130	3.63	128	80	0
SZ815PAGN	RA-CML	MR063011	R1	CY2305SXC-1H	130	3.63	128	50	0
Summary for Package Family : SOIC (Pb-Free) (16 records)								876	0
Sum									
SSOP									
O2824GAGB	T-TAIWAN	MR061027	R1	CY28400OCT	130	3.63	128	47	0
O2824GAGB	T-TAIWAN	MR062013	R1	CY284000C	130	3.63	128	48	0
O2824GAGB	T-TAIWAN	MR063025	R1	CY284000C	130	3.3	128	49	0
O563AXAGN	R-CML	MR063026	R1	CY28419OC	130	3.8	128	45	0
O563AXAGN	R-CML	MR064045	R1	CY28419OC	130	3.8	128	45	0
O563AXAGN	R-CML	MR071027	R1	CY28419OC	130	3.8	128	44	0
O563AXAGN	R-CML	MR071027	R1A	CY28419OC	130	3.8	128	36	0
O56AXAGN	R-CML	MR062014	R1	CY283410C-3	130	3.63	128	44	0
Summary for Package Family : SSOP (8 records)								358	0
Sum									
SSOP (Pb-Free)									
SP2023GAL	T-TAIWAN	MR063060	R1	CY8C26233-24PVXIT	130	5.25	128	49	0
SP2024AGL	M-PHIL	MR072011	R1	CG6646AA	130	5.25	128	78	0
SP2029AAGL	RA-CML	NR064003	R1	CY8C21334-24PVXI	130	5.5	128	48	0
SP2029AAGL	RA-CML	NR064003	R2	CY8C21334-24PVXI	130	5.5	128	77	0
SP2029AAGL	RA-CML	NR064003	R3	CY8C21334-24PVXI	130	5.5	128	72	0
SP2814HAL	M-PHIL	MR064068	R1	CS6250AM	130	3.63	128	45	0
SP28214GL	R-CML	63002	R2	CY8C24423A-PVXI	130	5.25	128	45	0
SP28214GL	R-CML	63002	R3	CY8C24423A-PVXI	130	5.25	128	47	0
SP28214GL	T-TAIWAN	63003	R2	CY8C24423A-24PVXI	130	5.25	128	46	0
SP28214GL	T-TAIWAN	63003	R2	CY8C24423A-24PVXI	130	5.25	256	43	0
SP28214GL	T-TAIWAN	63003	R3	CY8C26443-24PVXI	130	5.25	128	49	0

SP28214GL	M-PHIL	MR064005	R1	CY8C24423A-24PVXI	130	5.25	128	40	0
SP28215GLL	RA-CML	63711	R1	CY8C29466A-24PVXI	130	5.25	128	43	0
SP2822AGL	L-KOREA	60605	R2A	CY8C24494-24PVXI	130	5.25	128	49	0
SP2822AGL	L-KOREA	60605	R3A	CY8C24494-24PVXT	130	5.25	128	49	0
SP48AAAAGR	M-PHIL	71101	3	CY14B101L-SP45XC	130	3.6	128	45	0
SP563AAGN	R-CML	MR064026	R1	CY284100XC	130	3.63	128	45	0
SP563BAGL	R-CML	65201	R1	CY7C68053-56PVC	130	3.63	128	42	0
SP563BAGL	R-CML	MR063075	R1	CY7C68001-56PVXC	130	3.8	128	45	0

Summary for Package Family : SSOP (Pb-Free) (19 records)

Sum **957** **0**

SOIC (J-Lead)

V2835GAHN	R-CML	62101	R1	CY7C1599	130	5.5	128	45	0
V2835GAHN	R-CML	MR063047	R1	CY7C199-15VC	130	5.5	128	50	0
V2835GALN	R-CML	MR064011	R1	CY7C185-20VC	130	5.5	128	48	0
V2835GALN	R-CML	MR071001	R1	CY7C185-25VC	130	5.5	128	80	0
V32417ALE	O-INDO	MR063024	R1	CY7C1019CV33-10VC	130	3.63	128	45	0
V32421GLN	R-CML	MR071050	R1	CY7C1019CV33-12VI	130	5.5	128	66	0
V32421GLN	R-CML	MR071050	R1A	CY7C1019CV33-12VI	130	5.5	128	13	0

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

Sum **347** **0**

SOIC (J-Lead, Pb-Free)

VZ2439AGS	O-INDO	MR062061	R1	CY7C187-25VXC	130	5.75	128	44	0
VZ2439AGS	O-INDO	MR063044	R1	CY7C187/25VXC	130	5.5	128	48	0
VZ2439AGS	O-INDO	MR064067	R1	CY7C187-25VXC	130	5.5	128	49	0
VZ2439AGS	O-INDO	MR071061	R1	CY7C187-35VXC	130	5.5	128	80	0
VZ2439AGS	O-INDO	NR062004	R1	CY7C187-25VXC	130	5.5	128	44	0
VZ2439AGS	O-INDO	NR062004	R2	CY7C187-35VXC	130	5.5	128	44	0
VZ2439AGS	O-INDO	NR062004	R3	CY7C187-25VXC	130	5.5	128	44	0
VZ28311LL	R-CML	MR063045	R1	CY7C199C-20VXC	130	5.5	128	44	0
VZ28320ALR	O-INDO	70309	R1	CY7C192-15VXCT	130	5.5	128	45	0
VZ2843AGN	O-INDO	63506	R1	CY7C106	130	5.5	128	50	0
VZ32421LN	R-CML	MR063068	R1	CY7C1019CV33-15VXC	130	3.63	128	50	0
VZ3644GALL	R-CML	MR064066	R1	CY7C1049B-15VXI	130	5.5	256	45	0
VZ444ZALL	R-CML	MR063032	R1	CY7C1021CV33-15VXC	130	3.63	128	45	0
VZ444ZALL	R-CML	MR064052	R1	CY7C1021CV33-8VXC	130	5.5	128	50	0
VZ444ZALL	R-CML	MR071024	R1	CY7C1021CV33-10VXC	130	3.65	128	44	0

Summary for Package Family : SOIC (J-Lead, Pb-Free) (15 records)

Sum **726** **0**

TQFP

A100AGAGE	G-TAIWAN	MR063092	R1	CY7C028V-20AC	130	3.63	128	50	0
A120CGAGE	G-TAIWAN	63605	R1A	CY7CS8AT1A-35AC	130	1.98	128	48	0
A32BXGAN	L-SEOUL	MR063034	R1	CY7C4241AT-QACB	130	3.63	128	50	0
A52ASGAGE	Q-KOREA	MR064081	R1	CY7B9945V-5AC	130	3.63	256	49	0

Summary for Package Family : TQFP (4 records)

Sum **197** **0**

TQFP (10 X 10)

Summary for Package Family : TQFP (10 X 10) (1 record)

Sum **0** **0**

TQFP (Pb-Free)

AZ100RUAGN	R-CML	65105	R1	CY7C68013A-100AXC	130	3.63	128	50	0
AZ100RUAGN	R-CML	65105	R1A	CY7C68013A-100AXC	130	3.63	128	30	0
AZ100RUALN	R-CML	71201	R2A1	CY7C1345G-100AXC	130	3.3	128	47	0
AZ100RUALN	R-CML	MR064076	R1	CY7C1345G-100AXC	130	3.3	128	47	0
AZ100RULN	R-CML	MR064010	R1	CY7C1325G-133AXC	130	3.3	128	48	0
AZ100RXLL	R-CML	71201	R1A	CY7C1354CV25-166AXC	130	3.65	128	80	0
AZ100RXLL	R-CML	MR071051	R1	CY7C1354CV25-166AXC	130	5.5	128	75	0
AZ100SFAL	RA-CML	MR063008	R1	CY7C025-25AXC	130	5.5	128	45	0
AZ100SFAL	R-CML	MR063065	R1A	CY7C024AVN-25AXC	130	3.63	128	45	0
AZ100SFAL	R-CML	MR063065	R1B	CY7C024AVN-25AXC	130	3.63	128	30	0
AZ100SFAL	R-CML	MR063065	R2A	CY7C024AVN-25AXC	130	3.63	128	36	0
AZ100SFAL	R-CML	MR063065	R2B	CY7C024AVN-25AXC	130	3.63	128	36	0

AZ32BXGAN	Q-KOREA	MR063080	R1	CY7C4241V-15AXC	130	3.63	128	50	0
AZ52ASGAL	Q-KOREA	MR062062	R1	CY7B9945V-AXC	130	3.63	128	20	0
AZ52ASGAL	Q-KOREA	MR062062	R1A	CY7B9945V-AXC	130	3.63	128	30	0
AZ52ASGAL	Q-KOREA	MR064075	R1	CY7B9945V-2AXI	130	3.63	128	50	0
AZ52ASGAL	Q-KOREA	MR071005	R1	CY7B9945V-2AXI	130	3.63	128	39	0

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

Sum **758** **0**

TQFP (Thermal, Pb-Free)

AG120ABAGR	Q-KOREA	63203	R1	CYS25G0101DX-ATXC	130	3.63	128	43	0
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Summary for Package Family : TQFP (Thermal, Pb-Free) (1 record)

Sum **43** **0**

TSOP (Pb-Free)

ZT28R2AGN	R-CML	MR063030	R1	CY62256LL-70ZXI	130	5.5	128	49	0
ZT48ABBLL	T-TAIWAN	71906	R4	CY62167DV30LL	130	2.4	128	50	0
ZT48ABBLL	T-TAIWAN	71906	R5	CY62167DV30LL	130	2.4	128	50	0

Summary for Package Family : TSOP (Pb-Free) (3 records)

Sum **149** **0**

TSOP I

Summary for Package Family : TSOP I (1 record)

Sum **0** **0**

TSOP I (Pb-Free)

ZB32RHALL	R-CML	MR063048	R1	CY62128DV30LL-55AXI	130	3.63	128	49	0
ZB32RHALN	R-CML	MR064028	R1	CY62128EV30LL-45ZAXI	130	3.6	256	45	0
ZB32RHALN	R-CML	MR071021	R1	CY62128EV30LL-45ZAXI	130	3.63	128	80	0
ZB32RKALL	T-TAIWAN	MR064071	R1	CY62128ELL-45ZAXI	130	3.63	128	45	0

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

Sum **219** **0**

TSOP II

ZS324FAGE	T-TAIWAN	MR061038	R1	CY7C1019CV33-RZC	130	3.65	128	49	0
ZS324FAGE	T-TAIWAN	NR062001	R2	CY7C1019CV33-12ZCT	130	3.65	128	45	0
ZS324FAGE	T-TAIWAN	NR062001	R3	CY7C1019CV33-12ZCT	130	3.65	128	45	0
ZS444AJALN	R-CML	MR064029	R1	CY7C1021CV33-15ZC	130	3.65	128	45	0
ZS444AJALN	R-CML	MR071022	R1	CY7C1021CV33-10ZI	130	3.65	128	80	0
ZS444AKALN	R-CML	MR064022	R1	CY7C1041CV33-20ZC	130	3.65	128	45	0
ZS544AALE	G-TAIWAN	MR063015	R1	CY7C1061AV33-12ZI	130	3.65	128	50	0

Summary for Package Family : TSOP II (7 records)

Sum **359** **0**

TSOP II (Pb-Free)

ZW324CBLL	T-TAIWAN	MR064047	R1	CY62148ELL-45ZSXI	130	5.5	128	49	0
ZW324FBGL	T-TAIWAN	MR071047	R1	CY7C1019CV33-15ZXC	130	3.65	128	40	0
ZW324FBGL	T-TAIWAN	MR071047	R1	CY7C1019CV33-15ZXC	130	3.65	128	40	0
ZW444AFLL	R-CML	54909	R1	CY62157EV	130	3.63	128	45	0
ZW444AHGL	R-CML	63807	R2	CY7C1021D	130	3.77	256	45	0
ZW444AHGLL	R-CML	62001	R1	CY7C1021D	130	3.77	256	45	0
ZW444AHGLL	R-CML	62001	R2	CY7C1021D	130	3.77	256	34	0
ZW444AHGLL	R-CML	62001	R3	CY7C1021D	130	3.77	256	35	0
ZW444AJGN	R-CML	MR063014	R1	CY7C1021CV33-10ZXC	130	3.65	128	45	0
ZW444AJLN	R-CML	MR064059	R1	CY7C1020CV26-15ZSXE	130	3.65	128	45	0
ZW444AJLN	R-CML	MR071048	R1	CY7C1020CV33-15ZSXE	130	3.65	96	80	0
ZW444AJLN	R-CML	MR071048	R1	CY7C1020CV33-15ZSXE	130	3.65	128	79	0
ZW444ALLR	G-TAIWAN	64102	R1	CY7C1051DV33-10ZSXES	130	3.65	96	45	0
ZW444ALLR	G-TAIWAN	64102	R1	CY7C1051DV33-10ZSXES	130	3.65	128	45	0
ZW444ALLR	G-TAIWAN	64102	R2	CY7C1051DV33-10ZSXES	130	3.65	96	45	0
ZW444ALLR	G-TAIWAN	64102	R2	CY7C1051DV33-10ZSXES	130	3.65	128	45	0
ZW444AMLN	R-CML	54911	R1	CY62157ELL	130	5.5	96	45	0
ZW444AMLN	R-CML	54911	R1	CY62157ELL	130	5.5	128	45	0
ZW444AMLN	R-CML	64602	R1	CY62157DV30L	130	3.6	96	47	0
ZW444AMLN	R-CML	71103	R1	CY62157ELL	130	5.5	128	45	0
ZW444AMLN	R-CML	71103	R1	CY62157ELL	130	5.5	96	45	0
ZW544AAL	G-TAIWAN	MR071071	R1A	CY7C1061AV33-10ZXC	130	3.65	128	39	1
ZW544AAL	G-TAIWAN	MR071071	R1B	CY7C1061AV33-10ZXC	130	3.65	128	36	4

MR071071-1AA1 1- Die edge delamination
MR071071-1BA1 4- Die edge delamination

ZW544AALL	G-TAIWAN	MR064024	R1	CY7C1061AV33-12ZXC	130	3.65	128	45	0	
ZW54BGALL	G-TAIWAN	63709	R1A	CY7C1061DV33-10ZXI	130	3.65	128	45	0	
Summary for Package Family : TSOP II (Pb-free) (25 records)										
Sum									1,154	5
RTSOP										
Summary for Package Family : RTSOP (0 record)										
Sum									0	0
RTSOP (Pb-free)										
ZT32RABAL	T-TAIWAN	MR062053	R1	CY62128DV30LL-70ZXI	130	3.6	128	49	0	
ZT32RABALL	T-TAIWAN	MR063043	R1	CY7C109B-15ZXCT	130	5.5	128	50	0	
ZT32RABALL	T-TAIWAN	MR071049	R1	CY62128ELL-45ZXI	130	5.5	128	80	0	
ZT32RACALL	CML-RA	63907	R1	CY7C109BN-15ZXC	130	5.5	128	50	0	
Summary for Package Family : RTSOP (Pb-free) (4 records)										
Sum									229	0
TSSOP										
Z1613GAGB	T-TAIWAN	MR063013	R1	CY2308ZC-1H	130	3.8	128	48	0	
Z1613GAGB	R-CML	MR064031	R1	CY2308ZI-1H	130	3.8	128	47	0	
Z1613GAGB	T-TAIWAN	MR064032	R1	CY2308ZI-1H	130	3.8	128	48	0	
Z1613GAGB	T-TAIWAN	MR071009	R1	CY2308ZI-1H	130	3.8	128	80	0	
Z1619GAGN	T-TAIWAN	MR064014	R1	CY2309ZC-1HT	130	3.8	128	45	0	
Z5624BAGN	R-CML	MR063104	R1	CY28409ZC	130	3.8	128	50	0	
Z5624BAGN	R-CML	MR064072	R1	CY28419ZC	130	3.8	128	50	0	
Summary for Package Family : TSSOP (7 records)										
Sum									368	0
TSSOP (Pb-Free)										
ZZ1619GAN	RA-CML	MR063027	R1	CY2309ZXC-1HT	130	3.8	128	48	0	
ZZ1619GAN	RA-CML	MR064004	R1	CY2309ZXC-1H	130	3.8	128	48	0	
ZZ2813AAGL	T-TAIWAN	MR063037	R1	CY28517ZXC	130	3.63	128	49	0	
ZZ2846AAGL	T-TAIWAN	MR064007	R1	CY28517ZXCT	130	3.8	128	50	0	
ZZ5624BGN	R-CML	MR063053	R1	CY505YC56DT	130	3.63	128	47	0	
ZZ5624BGN	R-CML	MR064008	R1	CY505YC56DT	130	3.63	128	48	0	
ZZ5624BGN	R-CML	MR071002	R1	CY505YC56DT	130	3.63	128	80	0	
ZZ5624BGN	R-CML	MR072010	R1A	CY505YC56DT	130	3.63	128	45	0	
ZZ6421GAGL	M-PHIL	MR063031	R1	CY5C5YC64DT	130	3.63	128	48	0	
ZZ642VFRHS	T-TAIWAN	64101	R1	CY505YC64DT	130	3.63	128	41	0	
ZZ642VFRHS	T-TAIWAN	64101	R2	CY505YC64DT	130	3.63	128	42	0	
Summary for Package Family : TSSOP (11 records)										
Sum									546	0



Summary Detail -- TCT Performance Over Time

From: 7/3/2006

To: 7/1/2007

Bldkit	Assy Site	EvalNum	TV	Device	High Temp	Low Temp	Cycles	SS	Rejects	FA	Results
U160											
U160C	X-THAILAND	54004	R1	VIC068B-UM	150C	-65C	100	45	0		
U160C	X-THAILAND	54004	R1	VIC068B-UM	150C	-65C	1000	45	0		
Summary for Package Family : U160 (2 records)											
Sum								90	0		
FBGA (0.75-0.8)											
BF144AAALE	SP-TAIWN	61703	R1	CAAIC20500-2	150C	-65C	300	50	0		
BF144AAALE	SP-TAIWN	61703	R1	CAAIC20500-2	150C	-65C	500	50	0		
BF144AAALE	SP-TAIWN	61703	R1	CAAIC20500-2	150C	-65C	1000	50	0		
BF144AAALE	SP-TAIWN	61703	R2	CAAIC20500-2	150C	-65C	300	50	0		
BF144AAALE	SP-TAIWN	61703	R2	CAAIC20500-2	150C	-65C	500	50	0		
BF144AAALE	SP-TAIWN	61703	R2	CAAIC20500-2	150C	-65C	1000	50	0		
BF144AAALE	SP-TAIWN	61703	R3	CAAIC20500-2	150C	-65C	300	50	0		
BF144AAALE	SP-TAIWN	61703	R3	CAAIC20500-2	150C	-65C	500	49	0		
BF144AAALE	SP-TAIWN	61703	R3	CAAIC20500-2	150C	-65C	1000	49	0		
BA48BQAAL	RA-CML	MR071064	R1	CY62137CVSL-70BAI	150C	-65C	500	80	0		
BA48BQAAL	RA-CML	MR071064	R1	CY62137CVSL-70BAI	150C	-65C	1000	79	0		
BA48BVALE	G-TAIWAN	MR063020	R1	CY62137CV30LL-70BAI	150C	-65C	300	48	0		
BA48BVALE	G-TAIWAN	MR063020	R1	CY62137CV30LL-70BAI	150C	-65C	500	48	0		
BA48BVALE	G-TAIWAN	MR063020	R1	CY62137CV30LL-70BAI	150C	-65C	1000	48	0		
BA48CDGALE	G-TAIWAN	MR064063	R1	CY7C1041CV33-10BAC	150C	-65C	300	49	0		
BA48CDGALE	G-TAIWAN	MR064063	R1	CY7C1041CV33-10BAC	150C	-65C	500	49	0		
BA48CDGALE	G-TAIWAN	MR064063	R1	CY7C1041CV33-10BAC	150C	-65C	1000	44	0		
BA48CRALE	T-TAIWAN	MR063029	R1	CY62137CVSL-70BAIT	150C	-65C	500	50	0		
BA48CRALE	T-TAIWAN	MR063029	R1	CY62137CVSL-70BAIT	150C	-65C	1000	50	0		
BA48CRALE	T-TAIWAN	MR064017	R1	CY62137CVSL-70BAIT	150C	-65C	300	46	0		
BA48CRALE	T-TAIWAN	MR064017	R1	CY62137CVSL-70BAIT	150C	-65C	500	46	0		
BA48CRALE	T-TAIWAN	MR064017	R1	CY62137CVSL-70BAIT	150C	-65C	1000	46	0		
BA48CRALE	T-TAIWAN	MR071052	R1	CY62137CVSL-70BAI	150C	-65C	500	80	0		
BA48CRALE	T-TAIWAN	MR071052	R1	CY62137CVSL-70BAI	150C	-65C	1000	79	0		
BA48CRALE	T-TAIWAN	MR071053	R1	CY62137CVSL-70BAI	150C	-65C	500	79	0		
BA48CRALE	T-TAIWAN	MR071053	R1	CY62137CVSL-70BAI	150C	-65C	1000	78	0		
BA48DDALE	RA-CML	MR063069	R1	CYK512K16SCCAU-70BAI	150C	-65C	300	45	0		
BA48DDALE	RA-CML	MR063069	R1	CYK512K16SCCAU-70BAI	150C	-65C	500	45	0		
BA48DDALE	RA-CML	MR063069	R1	CYK512K16SCCAU-70BAI	150C	-65C	1000	45	0		
Summary for Package Family : FBGA (0.78-0.8) (29 records)											
Sum								1,582	0		
FBGA (0.75-0.8, Pb-free)											
BK48BQALL	RA-CML	MR071046	R1	CY62137CVSL-70BAXI	150C	-65C	300	79	0		
BK48BQALL	RA-CML	MR071046	R1	CY62137CVSL-70BAXI	150C	-65C	500	79	0		
BK48BQALL	RA-CML	MR071046	R1	CY62137CVSL-70BAXI	150C	-65C	1000	79	0		
BK48BWALL	G-TAIWAN	MR063106	R1	CY7C1021CV33-10BAXI	150C	-65C	300	50	0		
BK48BWALL	G-TAIWAN	MR063106	R1	CY7C1021CV33-10BAXI	150C	-65C	500	50	0		
BK48BWALL	G-TAIWAN	MR063106	R1	CY7C1021CV33-10BAXI	150C	-65C	1000	49	0		
BK48BWALL	G-TAIWAN	MR071045	R1	CY7C1021CV33-8BAXC	150C	-65C	500	80	0		
BK48BWALL	G-TAIWAN	MR071045	R1	CY7C1021CV33-8BAXC	150C	-65C	1000	80	0		
BK48BWALL	G-TAIWAN	MR071045	R1A	CY7C1021CV33-10BAXI	150C	-65C	500	80	0		
BK48BWALL	G-TAIWAN	MR071045	R1A	CY7C1021CV33-10BAXI	150C	-65C	1000	80	0		
BK48CDALL	G-TAIWAN	MR064057	R1	CY7C1041CV33-10BAXI	150C	-65C	300	48	0		
BK48CDALL	G-TAIWAN	MR064057	R1	CY7C1041CV33-10BAXI	150C	-65C	500	48	0		
BK48CDALL	G-TAIWAN	MR064057	R1	CY7C1041CV33-10BAXI	150C	-65C	1000	48	0		
Summary for Package Family : FBGA (0.78-0.8, Pb-free) (13 records)											
Sum								850	0		

FBGA (1.0)

BB165AAAGL	AT-INDONESIA	71207	R1	CY7C1305BV25	150C	-65C	500	77	0
BB165AAAGL	AT-INDONESIA	71207	R1	CY7C1305BV25	150C	-65C	1000	77	0
BB165AAAGL	AT-INDONESIA	71207	R2	CY7C1305BV25	150C	-65C	500	77	0
BB165AAAGL	AT-INDONESIA	71207	R2	CY7C1305BV25	150C	-65C	1000	77	0
BB165AAAGL	AT-INDONESIA	71207	R3	CY7C1305BV25	150C	-65C	500	76	0
BB165AAAGL	AT-INDONESIA	71207	R3	CY7C1305BV25	150C	-65C	1000	75	0
BB165ALLE	G-TAIWAN	MR071042	R1	CY7C1313BV18-250BZC	150C	-65C	500	76	0
BB165ALLE	G-TAIWAN	MR071042	R1	CY7C1313BV18-250BZC	150C	-65C	1000	76	0
BB165ANLE	G-TAIWAN	54907	1	7C1565AC-GBBC	150C	-65C	1000	44	0
BB165ANLE	G-TAIWAN	60908	3	7C1565AC-GBBC	150C	-65C	1000	44	0
BB165ANLE	G-TAIWAN	61002	3	7C1565AC-GBBC	150C	-65C	1000	44	0
BB165ANLE	G-TAIWAN	72501	R1	CY7C1565AC	150C	-65C	1000	44	0
BB165WALE	RA-CML	55103	R1	CY7C1313AVIB	150C	-65C	1000	33	0
BB165WALE	RA-CML	55103	R2	CY7C1313AVIB	150C	-65C	1000	42	0
BB165WALE	RA-CML	63101	R1	CY7C1313AVIB	150C	-65C	1000	33	0
BB165WALE	RA-CML	63101	R2	CY7C1313AVIB	150C	-65C	1000	42	0
BB256AAAGL	AT-INDONESIA	72005	R1	CYNSE70130D-125BBC	150C	-65C	500	80	0
BB256AAAGL	AT-INDONESIA	72005	R2	CYNSE70130D-125BBC	150C	-65C	500	80	0
BB256AAAGL	AT-INDONESIA	72005	R3	CYNSE70130D-125BBC	150C	-65C	500	80	0
BB256IAGE	G-TAIWAN	62004	3	7C76046AC-GBBC	150C	-65C	1000	46	0
BB256IAGE	G-TAIWAN	62004	6	7C76046AC-GBBC	150C	-65C	300	46	0
BB256IAGE	G-TAIWAN	62004	6	7C76046AC-GBBC	150C	-65C	500	45	0
BB256IAGE	G-TAIWAN	62004	6	7C76046AC-GBBC	150C	-65C	1000	40	0
BB256JAGE	G-TAIWAN	63401	1	7C08544AC-GBBC	150C	-65C	300	45	0
BB256JAGE	G-TAIWAN	63401	1	7C08544AC-GBBC	150C	-65C	500	45	0
BB256JAGE	G-TAIWAN	63401	1	7C08544AC-GBBC	150C	-65C	1000	45	0
BB256JAGE	G-TAIWAN	63401	3	7C08544AC-GBBC	150C	-65C	300	48	0
BB256JAGE	G-TAIWAN	63401	3	7C08544AC-GBBC	150C	-65C	500	48	0
BB256JAGE	G-TAIWAN	63401	3	7C08544AC-GBBC	150C	-65C	1000	48	0

Summary for Package Family : FBGA (1.0) (29 records)

Sum **1,633** **0**

FBGA (1.0, Pb-free)

BW100CAGL	G-TAIWAN	MR063122	R1	CY7B994V-2BBXC	150C	-65C	300	50	0
BW100CAGL	G-TAIWAN	MR063122	R1	CY7B994V-2BBXC	150C	-65C	500	50	0
BW100CAGL	G-TAIWAN	MR063122	R1	CY7B994V-2BBXC	150C	-65C	1000	50	0
BW100EAGL	G-TAIWAN	MR064012	R1	CYV15G0101DXB-BBXC	150C	-65C	300	49	0
BW100EAGL	G-TAIWAN	MR064012	R1	CYV15G0101DXB-BBXC	150C	-65C	500	49	0
BW100EAGL	G-TAIWAN	MR064012	R1	CYV15G0101DXB-BBXC	150C	-65C	1000	49	0
BW100EAGL	G-TAIWAN	MR071068	R1	CYV15G0101DXB-BBXC	150C	-65C	500	82	0
BW100EAGL	G-TAIWAN	MR071068	R1	CYV15G0101DXB-BBXC	150C	-65C	1000	81	0

Summary for Package Family :FBGA (1.0, Pb-free) (8 records)

Sum **460** **0**

VFBGA (0.75-0.8, 0.3mm)

BV48ATALE	RA-CML	MR064069	R1	CY62157DV30LL-55BVI	150C	-65C	300	50	0
BV48ATALE	RA-CML	MR064069	R1	CY62157DV30LL-55BVI	150C	-65C	500	50	0
BV48ATALE	RA-CML	MR064069	R1	CY62157DV30LL-55BVI	150C	-65C	1000	50	0
BV48ATALE	RA-CML	MR071072	R1	CY62157DV30LL-70BVI	150C	-65C	500	79	0
BV48ATALE	RA-CML	MR071072	R1	CY62157DV30LL-70BVI	150C	-65C	1000	79	0
BV48BAALE	G-TAIWAN	MR063019	R1	CY63157DC-GBVI	150C	-65C	300	48	0
BV48BAALE	G-TAIWAN	MR063019	R1	CY63157DC-GBVI	150C	-65C	500	48	0
BV48BAALE	G-TAIWAN	MR063019	R1	CY63157DC-GBVI	150C	-65C	1000	46	0
BV48BAALE	G-TAIWAN	MR064034	R1	CY62157DV30LL-70BVI	150C	-65C	300	50	0
BV48BAALE	G-TAIWAN	MR064034	R1	CY62157DV30LL-70BVI	150C	-65C	500	49	0
BV48BAALE	G-TAIWAN	MR064034	R1	CY62157DV30LL-70BVI	150C	-65C	1000	48	0
BV48BLCLE	GK-CHINA	MR063084	R1	CYK128K16MCCBU-70BVI	150C	-65C	300	50	0
BV48BLCLE	GK-CHINA	MR063084	R1	CYK128K16MCCBU-70BVI	150C	-65C	500	49	0
BV48BLCLE	GK-CHINA	MR063084	R1	CYK128K16MCCBU-70BVI	150C	-65C	1000	49	0
BV48BNALE	G-TAIWAN	63901	R1	CY62167DV30LL	150C	-65C	300	43	0
BV48BNALE	G-TAIWAN	63901	R1	CY62167DV30LL	150C	-65C	500	43	0
BV48BNALE	G-TAIWAN	63901	R2	CY62167DV30LL	150C	-65C	300	43	0

BV48BNALE	G-TAIWAN	63901	R2	CY62167DV30LL	150C	-65C	500	43	0
BV48BNALE	G-TAIWAN	63901	R3	CY62167DV30LL	150C	-65C	300	44	0
BV48BNALE	G-TAIWAN	63901	R3	CY62167DV30LL	150C	-65C	500	44	0
BV48BNALE	G-TAIWAN	64505	R1	CY62167DV30	150C	-65C	300	45	0
BV48BNALE	G-TAIWAN	64505	R1	CY62167DV30	150C	-65C	500	43	0
BV48BNALE	G-TAIWAN	64505	R1	CY62167DV30	150C	-65C	1000	43	0
BV48BNALE	G-TAIWAN	70203	R1	CY62137DV30LL	150C	-65C	500	44	0
BV48BNALE	G-TAIWAN	70203	R1	CY62137DV30LL	150C	-65C	1000	43	0
BV48BNALE	G-TAIWAN	70203	R1A	CY62167DV30LL	150C	-65C	1000	34	0
BV48BNALE	G-TAIWAN	70203	R2	CY62167DV30LL	150C	-65C	500	76	0
BV48BNALE	G-TAIWAN	70203	R2	CY62167DV30LL	150C	-65C	1000	68	0
BV48RAALE	G-TAIWAN	MR071058	R1	CY7C1011CV33-10BVI	150C	-65C	500	66	0

Summary for Package Family : VFBGA (0.75-0.8, 0.3mm) (29 records)

Sum **1,467** **0**

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

BZ100CGAL	G-TAIWAN	61603	R1	CYWB0124AB-BVXI	150C	-65C	300	74	0
BZ100CGAL	G-TAIWAN	61603	R1	CYWB0124AB-BVXI	150C	-65C	500	74	0
BZ100CGAL	G-TAIWAN	61603	R1	CYWB0124AB-BVXI	150C	-65C	1000	52	0
BZ100CGAL	G-TAIWAN	61603	R2	CYWB0124AB-BVXI	150C	-65C	300	75	0
BZ100CGAL	RA-CML	61603	R3	CYWB0124AB-BVXIES	150C	-65C	300	72	0
BZ100CGAL	RA-CML	61603	R3	CYWB0124AB-BVXIES	150C	-65C	500	68	0
BZ100CGALL	G-TAIWAN	64802	R3	CYWB0124AB-BVXIES	150C	-65C	300	45	0
BZ100CGALL	G-TAIWAN	64802	R3	CYWB0124AB-BVXIES	150C	-65C	500	43	0
BZ100CGALL	G-TAIWAN	64802	R3	CYWB0124AB-BVXIES	150C	-65C	1000	43	0
BZ100FAAGL	AT-INDONESIA	71202	R1	CYWB0124AB-BVXI	150C	-65C	500	77	0
BZ100FAAGL	AT-INDONESIA	71202	R2	CYWB0124AB-BVXI	150C	-65C	500	77	0
BZ100FAAGL	AT-INDONESIA	71202	R2	CYWB0124AB-BVXI	150C	-65C	1000	77	0
BZ100FAAGL	AT-INDONESIA	71202	R3	CYWB0124AB-BVXI	150C	-65C	500	76	0
BZ100FAAGL	AT-INDONESIA	71202	R3	CYWB0124AB-BVXI	150C	-65C	1000	75	0
BZ48ABAAGL	AT-INDONESIA	65103	R1	CYK256K6C9BW-70BVXI	150C	-65C	300	49	0
BZ48ABAAGL	AT-INDONESIA	65103	R1	CYK256K6C9BW-70BVXI	150C	-65C	500	49	0
BZ48ABAAGL	AT-INDONESIA	65103	R1	CYK256K6C9BW-70BVXI	150C	-65C	1000	49	0
BZ48ABAAGL	AT-INDONESIA	65103	R2	CYK256K6C9BW-70BVXI	150C	-65C	300	49	0
BZ48ABAAGL	AT-INDONESIA	65103	R2	CYK256K6C9BW-70BVXI	150C	-65C	500	49	0
BZ48ABAAGL	AT-INDONESIA	65103	R2	CYK256K6C9BW-70BVXI	150C	-65C	1000	49	0
BZ48ABAAGL	AT-INDONESIA	65103	R3	CYK256K6C9BW-70BVXI	150C	-65C	300	45	0
BZ48ABAAGL	AT-INDONESIA	65103	R3	CYK256K6C9BW-70BVXI	150C	-65C	500	45	0
BZ48ABAAGL	AT-INDONESIA	65103	R3	CYK256K6C9BW-70BVXI	150C	-65C	1000	45	0
BZ48ANAARL	AT-INDONESIA	71902	R1	CY62157DV30LL-70BVXI	150C	-65C	500	78	0
BZ48ANAARL	AT-INDONESIA	71902	R2	CY62157DV30LL-70BVXI	150C	-65C	500	80	0
BZ48ANAARL	AT-INDONESIA	71902	R3	CY62157DV30LL-70BVXI	150C	-65C	500	80	0
BZ48ATALL	RA-CML	MR071040	R1	CY62157DV30LL-70BVXI	150C	-65C	500	80	0
BZ48ATALL	RA-CML	MR071040	R1	CY62157DV30LL-70BVXI	150C	-65C	1000	80	0
BZ48BAAALL	G-TAIWAN	MR071038	R1	CY62157DV30LL-70BVXI	150C	-65C	500	80	0
BZ48BAAALL	G-TAIWAN	MR071038	R1	CY62157DV30LL-70BVXI	150C	-65C	1000	80	0
BZ48BAALL	G-TAIWAN	64903	R1	CY62157DV30L-55BVXE	150C	-65C	500	50	0
BZ48BAGMHL	T-TAIWAN	70306	R1	CYK128K16MCBU-70BVXI	150C	-65C	300	48	0
BZ48BAGMHL	T-TAIWAN	70306	R2	CYK128K16MCBU-70BVXI	150C	-65C	300	49	0
BZ48BAGMHL	T-TAIWAN	70306	R3	CYK128K16MCBU-70BVXI	150C	-65C	300	42	0
BZ48BCJALL	RA-CML	62304	R1	CY62167DV30LL	150C	-65C	300	45	0
BZ48BCJALL	RA-CML	62304	R1	CY62167DV30LL	150C	-65C	500	45	0
BZ48BCJALL	RA-CML	62304	R1	CY62167DV30LL	150C	-65C	1000	45	0
BZ48BCJALL	RA-CML	62304	R2	CY62167DV30LL	150C	-65C	300	45	0
BZ48BCJALL	RA-CML	62304	R2	CY62167DV30LL	150C	-65C	500	45	0
BZ48BCJALL	RA-CML	62304	R2	CY62167DV30LL	150C	-65C	1000	45	0
BZ48BCJALL	RA-CML	62304	R3	CY62167DV30LL	150C	-65C	300	44	0
BZ48BCJALL	RA-CML	62304	R3	CY62167DV30LL	150C	-65C	500	44	0
BZ48BCJALL	RA-CML	62304	R3	CY62167DV30LL	150C	-65C	1000	44	0
BZ48BKALE	RA-CML	MR064079	R1	CYK256K16MCBU-70BVXI	150C	-65C	300	47	0
BZ48BKALE	RA-CML	MR064079	R1	CYK256K16MCBU-70BVXI	150C	-65C	500	47	0
BZ48BKALE	RA-CML	MR064079	R1	CYK256K16MCBU-70BVXI	150C	-65C	1000	46	0

BZ48BKBLE	RA-CML	64604	R1	CYK128K16MCBU-70BVXI	150C	-65C	300	50	0
BZ48BKBLE	RA-CML	64604	R1	CYK128K16MCBU-70BVXI	150C	-65C	500	50	0
BZ48BKBLE	RA-CML	64604	R1	CYK128K16MCBU-70BVXI	150C	-65C	1000	50	0
BZ48BKBLE	RA-CML	64604	R2	CYK128K16MCBU-70BVXI	150C	-65C	300	50	0
BZ48BKBLE	RA-CML	64604	R2	CYK128K16MCBU-70BVXI	150C	-65C	500	50	0
BZ48BKBLE	RA-CML	64604	R2	CYK128K16MCBU-70BVXI	150C	-65C	1000	50	0
BZ48BKBLE	RA-CML	64604	R3	CYK128K16MCBU-70BVXI	150C	-65C	300	50	0
BZ48BKBLE	RA-CML	64604	R3	CYK128K16MCBU-70BVXI	150C	-65C	500	50	0
BZ48BKBLE	RA-CML	64604	R3	CYK128K16MCBU-70BVXI	150C	-65C	1000	49	0
BZ48BLBL	G-TAIWAN	MR063086	R1	CYK256K16MCBU	150C	-65C	300	50	0
BZ48BLBL	G-TAIWAN	MR063086	R1	CYK256K16MCBU	150C	-65C	500	50	0
BZ48BLBL	G-TAIWAN	MR063086	R1	CYK256K16MCBU	150C	-65C	1000	50	0
BZ48BTALN	RA-CML	MR063090	R1	CY62147EV18LL-45BVXIT	150C	-65C	300	50	0
BZ48BTALN	RA-CML	MR063090	R1	CY62147EV18LL-45BVXIT	150C	-65C	500	50	0
BZ48BTALN	RA-CML	MR063090	R1	CY62147EV18LL-45BVXIT	150C	-65C	1000	50	0
BZ48CGALL	RA-CML	63708	1	U02M6F9CZ-RABZI	150C	-65C	300	50	0
BZ48CGALL	RA-CML	63708	1	U02M6F9CZ-RABZI	150C	-65C	500	50	0
BZ48CGALL	RA-CML	63708	1	U02M6F9CZ-RABZI	150C	-65C	1000	50	0
BZ48CGALL	RA-CML	63708	2	U02M6F9CZ-RABZI	150C	-65C	500	50	0
BZ48CGALL	RA-CML	63708	2	U02M6F9CZ-RABZI	150C	-65C	1000	50	0
BZ48CGALL	RA-CML	63708	3	U02M6F9CZ-RABZI	150C	-65C	300	50	0
BZ48CGALL	RA-CML	63708	3	U02M6F9CZ-RABZI	150C	-65C	500	50	0
BZ48CGALL	RA-CML	63708	3	U02M6F9CZ-RABZI	150C	-65C	1000	50	0
BZ48CRALL	G-TAIWAN	71302	R1	CY62167EV30	150C	-65C	300	50	0
BZ48CRALL	G-TAIWAN	71302	R1	CY62167EV30	150C	-65C	500	50	0
BZ48CRALL	G-TAIWAN	71302	R1	CY62167EV30	150C	-65C	1000	50	0
BZ48CRALL	G-TAIWAN	71302	R2	CY62167EV30	150C	-65C	300	50	0
BZ48CRALL	G-TAIWAN	71302	R2	CY62167EV30	150C	-65C	500	50	0
BZ48CRALL	G-TAIWAN	71302	R2A	CY62167EV30	150C	-65C	300	50	0
BZ48CRALL	G-TAIWAN	71405	R1	CY62167EV30	150C	-65C	300	50	0
BZ48CRALL	G-TAIWAN	71405	R1	CY62167EV30	150C	-65C	500	50	0
BZ48CRALL	G-TAIWAN	71405	R1	CY62167EV30	150C	-65C	1000	50	0
BZ48CRALL	G-TAIWAN	71405	R2	CY62167EV30	150C	-65C	300	50	0
BZ48CRALL	G-TAIWAN	71405	R2	CY62167EV30	150C	-65C	500	50	0
BZ48CRALL	G-TAIWAN	71405	R3	CY62167EV30	150C	-65C	500	35	0
BZ48CRALL	G-TAIWAN	71405	R3	CY62167EV30	150C	-65C	1000	35	0
BZ48CRALL	G-TAIWAN	71405	R3A	CY62167EV30	150C	-65C	300	50	0
BZ56AGAGL	G-TAIWAN	MR064027	R1	CY7C68013A-56BAXC	150C	-65C	500	50	0
BZ56AGAGL	G-TAIWAN	MR064027	R1	CY7C68013A-56BAXC	150C	-65C	1000	50	0
BZ56AVAAAL	AT-INDONESIA	63803	R1	CY7C68013A-56BAXC	150C	-65C	300	45	0
BZ56AVAAAL	AT-INDONESIA	63803	R1	CY7C68013A-56BAXC	150C	-65C	500	45	0
BZ56AVAAAL	AT-INDONESIA	63803	R1	CY7C68013A-56BAXC	150C	-65C	1000	44	0
BZ56AVAAAL	AT-INDONESIA	63803	R2	CY7C68013A-56BAXC	150C	-65C	300	45	0
BZ56AVAAAL	AT-INDONESIA	63803	R2	CY7C68013A-56BAXC	150C	-65C	500	45	0
BZ56AVAAAL	AT-INDONESIA	63803	R2	CY7C68013A-56BAXC	150C	-65C	1000	45	0
BZ56AVAAAL	AT-INDONESIA	63803	R3	CY7C68013A-56BAXC	150C	-65C	300	45	0
BZ56AVAAAL	AT-INDONESIA	63803	R3	CY7C68013A-56BAXC	150C	-65C	500	45	0
BZ56AVAAAL	AT-INDONESIA	63803	R3	CY7C68013A-56BAXC	150C	-65C	1000	45	0
BZ56EAALL	G-TAIWAN	61302	R1	CY7C68053-56BAXI	150C	-65C	300	45	0
BZ56EAALL	G-TAIWAN	61302	R1	CY7C68053-56BAXI	150C	-65C	500	45	0
BZ56FAALE	G-TAIWAN	MR064025	R1	CY7C68053-56BAXIES	150C	-65C	300	50	0
BZ56FAALE	G-TAIWAN	MR064025	R1	CY7C68053-56BAXIES	150C	-65C	500	50	0
BZ56FAALE	G-TAIWAN	MR064025	R1	CY7C68053-56BAXIES	150C	-65C	1000	50	0

Summary for Package Family : VFBGA (0.75-0.8, 0.3mm, Pb-free) (99 records)

Sum 5,209 0

L2BGA (Pb-free)

Summary for Package Family : L2BGA (Pb-free) (0 record)

Sum 0 0

PGA

Summary for Package Family : PGA (0 record)

Sum 0 0

LCC (Pb-free)

Summary for Package Family : LCC (Pb-free) (0 record)

Sum 0 0

LCC (Windowed Plastic)

Summary for Package Family : LCC (Windowed Plastic) (0 record)

Sum 0 0

PBGA (1.27)

Summary for Package Family : LCC (Windowed Plastic) (21 records)

Sum 0 0

PBGA (1.27)

BG119JALE	G-TAIWAN	MR062063	R1	CY7C1012AV33-BBGC	150C	-65C	300	50	0
BG119JALE	G-TAIWAN	MR062063	R1	CY7C1012AV33-BBGC	150C	-65C	500	50	0
BG119JALE	G-TAIWAN	MR062063	R1	CY7C1012AV33-BBGC	150C	-65C	1000	50	0
BG119JALE	G-TAIWAN	NR064006	R1	CY7C1012AV33-8BGC	150C	-65C	300	50	0
BG119JALE	G-TAIWAN	NR064006	R1	CY7C1012AV33-8BGC	150C	-65C	500	50	0
BG119JALE	G-TAIWAN	NR064006	R1	CY7C1012AV33-8BGC	150C	-65C	1000	50	0
BG119JALE	G-TAIWAN	NR064006	R2	CY7C1062AV25-10BGI	150C	-65C	500	80	0
BG119JALE	G-TAIWAN	NR064006	R2	CY7C1062AV25-10BGI	150C	-65C	1000	79	0
BG119JALE	G-TAIWAN	NR064006	R3	7C1012AC-GBGCB	150C	-65C	500	80	0
BG119JALE	G-TAIWAN	NR064006	R3	7C1012AC-GBGCB	150C	-65C	1000	80	0
BG119NALE	G-TAIWAN	MR063018	R1	CY7C1354B-166BGC	150C	-65C	300	48	0
BG119NALE	G-TAIWAN	MR063018	R1	CY7C1354B-166BGC	150C	-65C	500	48	0
BG119NALE	G-TAIWAN	MR063018	R1	CY7C1354B-166BGC	150C	-65C	1000	4	0
BG119QALE	G-TAIWAN	MR071066	R1	CY7C1325G-133BGC	150C	-65C	500	79	0
BG119QALE	G-TAIWAN	MR071066	R1	CY7C1325G-133BGC	150C	-65C	1000	79	0
BG119SALE	G-TAIWAN	MR064046	R1	CY7C1354CV25-166BGC	150C	-65C	300	50	0
BG119SALE	G-TAIWAN	MR064046	R1	CY7C1354CV25-166BGC	150C	-65C	500	50	0
BG119SALE	G-TAIWAN	MR064046	R1	CY7C1354CV25-166BGC	150C	-65C	1000	50	0

Summary for Package Family : PBGA (1.27) (18 records)

Sum 1,027 0

PBGA (Cavity/Heatsink)

BL256L2GE	G-TAIWAN	MR062099	R1	CS6614AM	150C	-65C	300	50	0
BL256L2GE	G-TAIWAN	MR062099	R1	CS6614AM	150C	-65C	500	50	0
BL256L2GE	G-TAIWAN	MR062099	R1	CS6614AM	150C	-65C	1000	48	0
BL256L2GE	G-TAIWAN	MR063117	R1	CYP15G0401DXB-BGC	150C	-65C	300	50	0
BL256L2GE	G-TAIWAN	MR063117	R1	CYP15G0401DXB-BGC	150C	-65C	500	50	0
BL256L2GE	G-TAIWAN	MR063117	R1	CYP15G0401DXB-BGC	150C	-65C	1000	47	0

Summary for Package Family : PBGA (Cavity/Heatsink) (6 records)

Sum 295 0

PBGA (Pb-free)

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

Sum 0 0

PDIP

P2831GBGB	O-INDONESIA	MR064073	R1	CY7C425-10PC	150C	-65C	300	50	0
P2831GBGB	O-INDONESIA	MR064073	R1	CY7C425-10PC	150C	-65C	500	50	0
P2831GBGB	O-INDONESIA	MR064073	R1	CY7C425-10PC	150C	-65C	1000	49	0
P2839GAAGB	X-THAILAND	MR064054	R1	CY7C185-25PC	150C	-65C	300	49	0
P2839GAAGB	X-THAILAND	MR064054	R1	CY7C185-25PC	150C	-65C	500	49	0
P2839GAAGB	X-THAILAND	MR064054	R1	CY7C185-25PC	150C	-65C	1000	49	0
P2839GAAGB	X-THAILAND	MR071039	R1	CY7C185-25PC	150C	-65C	300	80	0
P2839GAAGB	X-THAILAND	MR071039	R1	CY7C185-25PC	150C	-65C	500	80	0
P2839GAAGB	X-THAILAND	MR071039	R1	CY7C185-25PC	150C	-65C	1000	80	0
P2839GAGB	X-THAILAND	MR063118	R1	CY7C185-25PC	150C	-65C	300	50	0
P2839GAGB	X-THAILAND	MR063118	R1	CY7C185-25PC	150C	-65C	500	50	0
P2839GAGB	X-THAILAND	MR063118	R1	CY7C185-25PC	150C	-65C	1000	50	0
P283DGAKE	M-PHIL	MR063009	R1	CY7C344B-15PC	150C	-65C	300	50	0
P283DGAKE	M-PHIL	MR063009	R1	CY7C344B-15PC	150C	-65C	500	50	0
P283DGAKE	M-PHIL	MR063009	R1	CY7C344B-15PC	150C	-65C	1000	50	0

Summary for Package Family : PDIP (15 records)

Sum 836 0

PDIP (Pb-free)

PZ163AGGN	X-THAILAND	MR061035	R1	CY7C63801-PXC	150C	-65C	1000	50	0
PZ163AGGN	X-THAILAND	MR062012	R1	CY7C63801-PXC	150C	-65C	1000	50	0
PZ183AXGN	O-INDONESIA	65001	R1	CY7C63813-PXC	150C	-65C	300	46	0
PZ183AXGN	O-INDONESIA	65001	R1	CY7C63813-PXC	150C	-65C	500	44	0
PZ183AXGN	O-INDONESIA	65001	R1	CY7C63813-PXC	150C	-65C	1000	43	0
PZ183AXGN	O-INDONESIA	65001	R2	CY7C63813-PXC	150C	-65C	300	46	0
PZ183AXGN	O-INDONESIA	65001	R2	CY7C63813-PXC	150C	-65C	500	46	0
PZ183AXGN	O-INDONESIA	65001	R2	CY7C63813-PXC	150C	-65C	1000	46	0
PZ183AXGN	O-INDONESIA	65001	R3	CY7C63813-PXC	150C	-65C	300	46	0
PZ183AXGN	O-INDONESIA	65001	R3	CY7C63813-PXC	150C	-65C	500	46	0
PZ183AXGN	O-INDONESIA	65001	R3	CY7C63813-PXC	150C	-65C	1000	43	0
PZ183AXGN	O-INDONESIA	70501	R1	CS6632AF	150C	-65C	500	77	0
PZ183AXGN	O-INDONESIA	70501	R1	CS6632AF	150C	-65C	1000	67	0
PZ183AXGN	O-INDONESIA	70501	R2	CS6632AF	150C	-65C	500	76	0
PZ183AXGN	O-INDONESIA	70501	R3	CS6632AF	150C	-65C	500	77	0
PZ183AXGN	O-INDONESIA	MR063022	R1	CY7C63813-PXC	150C	-65C	1000	45	0
PZ183BXGL	RA-CML	62102	R2	CY7C148-45PXC	150C	-65C	500	45	0
PZ183BXGL	RA-CML	62102	R2	CY7C148-45PXC	150C	-65C	1000	45	0
PZ183BXGL	RA-CML	62102	R3	CY7C148-45PXC	150C	-65C	500	45	0
PZ183BXGL	RA-CML	62102	R3	CY7C148-45PXC	150C	-65C	1000	45	0
PZ183BXGL	RA-CML	MR063051	R1	CY7C63723-PXC	150C	-65C	300	50	0
PZ183BXGL	RA-CML	MR063051	R1	CY7C63723-PXC	150C	-65C	500	50	0
PZ183BXGL	RA-CML	MR063051	R1	CY7C63723-PXC	150C	-65C	1000	50	0
PZ183BXGL	RA-CML	NR063002	R1	7C63720-RAPZC	150C	-65C	300	50	0
PZ183BXGL	RA-CML	NR063002	R1	7C63720-RAPZC	150C	-65C	500	50	0
PZ183BXGL	RA-CML	NR063002	R1	7C63720-RAPZC	150C	-65C	1000	50	0
PZ183DAGN	RA-CML	MR071044	R1	CY7C63723C-PXC	150C	-65C	500	80	0
PZ183DAGN	RA-CML	MR071044	R1	CY7C63723C-PXC	150C	-65C	1000	80	0
PZ183DAGN	RA-CML	MR072027	R1	CY7C63723C-PXC	150C	-65C	500	80	0
PZ203CHAN	O-INDONESIA	MR072035	R1	CY8C26233-24PXI	150C	-65C	500	80	0
PZ2434XGN	O-INDONESIA	MR062058	R1	CY7C63743-PXC	150C	-65C	300	45	0
PZ2434XGN	O-INDONESIA	MR062058	R1	CY7C63743-PXC	150C	-65C	500	45	0
PZ2434XGN	O-INDONESIA	MR062058	R1	CY7C63743-PXC	150C	-65C	1000	45	0
PZ2434XGN	O-INDONESIA	MR063061	R1	CY7C63743-PXC	150C	-65C	300	45	0
PZ2434XGN	O-INDONESIA	MR063061	R1	CY7C63743-PXC	150C	-65C	1000	45	0
PZ243DAXGS	O-INDONESIA	MR064001	R1	CY7C63743C-PXC	150C	-65C	300	45	0
PZ243DAXGS	O-INDONESIA	MR064001	R1	CY7C63743C-PXC	150C	-65C	1000	45	0

Summary for Package Family : PDIP (Pb-free) (37 records)

Sum **1,963** **0**

PLCC									
J32RBGAAGB	X-THAILAND	MR064023	R1	CY7B991-5JI	150C	-65C	300	50	0
J32RBGAAGB	X-THAILAND	MR064023	R1	CY7B991-5JI	150C	-65C	500	50	0
J32RBGAAGB	X-THAILAND	MR064023	R1	CY7B991-5JI	150C	-65C	1000	50	0
J32RBGAGB	X-THAILAND	MR062098	R1	CY7B992-2JC	150C	-65C	300	50	0
J32RBGAGB	X-THAILAND	MR062098	R1	CY7B992-2JC	150C	-65C	500	50	0
J32RBGAGB	X-THAILAND	MR062098	R1	CY7B992-2JC	150C	-65C	1000	50	0
J32RBGAGB	M-PHIL	MR063076	R1	CY7B991-2JC	150C	-65C	300	50	0
J32RBGAGB	M-PHIL	MR063076	R1	CY7B991-2JC	150C	-65C	500	50	0
J32RBGAGB	M-PHIL	MR063076	R1	CY7B991-2JC	150C	-65C	1000	50	0
J32RBGAGB	X-THAILAND	MR063105	R1	CY7B991-2JC	150C	-65C	300	50	0
J32RBGAGB	X-THAILAND	MR063105	R1	CY7B991-2JC	150C	-65C	500	50	0
J32RBGAGB	X-THAILAND	MR063105	R1	CY7B991-2JC	150C	-65C	1000	50	0
J32RBGAGB	M-PHIL	MR071007	R1	CY7B991-5JC	150C	-65C	500	80	0
J32RBGAGB	M-PHIL	MR071007	R1	CY7B991-5JC	150C	-65C	1000	79	0
J32RFGAGB	M-PHIL	MR062097	R1	CY7C462A-25JC	150C	-65C	300	45	0
J32RFGAGB	M-PHIL	MR062097	R1	CY7C462A-25JC	150C	-65C	500	45	0
J32RFGAGB	M-PHIL	MR062097	R1	CY7C462A-25JC	150C	-65C	1000	45	0

Summary for Package Family : PLCC (17 records)

Sum **894** **0**

PLCC (Pb-free)									
JZ32RBGAN	M-PHIL	MR063091	R1	CY7C4221AT-MJZC	150C	-65C	300	50	0

JZ32RBGAN	M-PHIL	MR063091	R1	CY7C4221AT-MJZC	150C	-65C	500	50	0		
JZ32RBGAN	M-PHIL	MR063091	R1	CY7C4221AT-MJZC	150C	-65C	1000	48	2	MR063091-1T3	2-Cut wedge
JZ32RBGAN	M-PHIL	MR064043	R1	CY7B991-5JXC	150C	-65C	300	50	0		
JZ32RBGAN	M-PHIL	MR064043	R1	CY7B991-5JXC	150C	-65C	500	50	0		
JZ32RBGAN	M-PHIL	MR064043	R1	CY7B991-5JXC	150C	-65C	1000	50	0		
JZ32RBGAN	M-PHIL	MR071067	R1	CY7C4231-15JXC	150C	-65C	500	80	0		
JZ32RBGAN	M-PHIL	MR071067	R1	CY7C4231-15JXC	150C	-65C	1000	79	0		
JZ52SFGAN	M-PHIL	MR064033	R1	CY7C136-55JXC	150C	-65C	300	50	0		
JZ52SFGAN	M-PHIL	MR064033	R1	CY7C136-55JXC	150C	-65C	500	50	0		
JZ52SFGAN	M-PHIL	MR064033	R1	CY7C136-55JXC	150C	-65C	1000	50	0		

Summary for Package Family : PLCC (Pb-free) (11 records)

Sum **607** **2**

PQFP

N52DXGAGB	G-TAIWAN	MR063007	R1	CY7C136-55NC	150C	-65C	300	50	0		
N52DXGAGB	G-TAIWAN	MR063007	R1	CY7C136-55NC	150C	-65C	500	50	0		
N52DXGAGB	G-TAIWAN	MR063007	R1	CY7C136-55NC	150C	-65C	1000	50	0		

Summary for Package Family : PQFP (3 records)

Sum **150** **0**

PQFP (Pb-free)

NZ52DXGAN	G-TAIWAN	MR063111	R1	CY7C136-25NXC	150C	-65C	300	50	0		
NZ52DXGAN	G-TAIWAN	MR063111	R1	CY7C136-25NXC	150C	-65C	500	50	0		
NZ52DXGAN	G-TAIWAN	MR063111	R1	CY7C136-25NXC	150C	-65C	1000	50	0		
NZ52DXGAN	G-TAIWAN	MR064048	R1	CY7C136-25NXC	150C	-65C	300	50	0		
NZ52DXGAN	G-TAIWAN	MR064048	R1	CY7C136-25NXC	150C	-65C	500	50	0		
NZ52DXGAN	G-TAIWAN	MR064048	R1	CY7C136-25NXC	150C	-65C	1000	50	0		
NZ52DXGAN	G-TAIWAN	MR071073	R1	CY7C136-55NXCT	150C	-65C	500	80	0		
NZ52DXGAN	G-TAIWAN	MR071073	R1	CY7C136-55NXCT	150C	-65C	1000	80	0		
NZ52DXGAN	G-TAIWAN	NR072014	R4	CY7C136-25NXC	150C	-65C	500	15	0		
NZ52DXGAN	G-TAIWAN	NR072014	R5	CY7C131-55NXC	150C	-65C	500	15	0		
NZ52DXGAN	G-TAIWAN	NR072014	R6	CY7C136-25NXC	150C	-65C	500	15	0		

Summary for Package Family : PQFP (Pb-free) (11 records)

Sum **505** **0**

QFN (COL, Pb-free)

LG16AA	M-PHIL	63602	R1	CY8C20234-12LKXI	150C	-65C	300	48	0		
LG16AA	M-PHIL	63602	R1	CY8C20234-12LKXI	150C	-65C	1000	48	0		
LG16AA	M-PHIL	63602	R1A	CY8C20234-12LKXI	150C	-65C	1000	1	1	063602-1T3	1-Cut wedge
LG16AA	M-PHIL	63602	R2	CY8C20234-12LKXI	150C	-65C	300	49	0		
LG16AA	M-PHIL	63602	R2	CY8C20234-12LKXI	150C	-65C	1000	49	0		
LG16AA	M-PHIL	63602	R3	CY8C20234-12LKXI	150C	-65C	300	50	0		
LG16AA	M-PHIL	63602	R3	CY8C20234-12LKXI	150C	-65C	1000	47	0		

Summary for Package Family : QFN (COL, Pb-free) (7 records)

Sum **292** **1**

QFN (Punch Type)

Summary for Package Family : QFN (Punch Type) (0 record)

Sum **0** **0**

QFN (Punch Type, Pb-free)

LY16AGAGL	L-KOREA	71003	R1	CYV15G0101EQ-SXC	150C	-65C	500	80	0		
LY16AGAGL	L-KOREA	71003	R1	CYV15G0101EQ-SXC	150C	-65C	1000	80	0		
LY20AGAGL	L-KOREA	53408	2	7C870442AC-LLYC	150C	-65C	1000	50	0		
LY20AGAGL	L-KOREA	53408	3	7C870442AC-LLYC	150C	-65C	300	50	0		
LY20AGAGL	L-KOREA	53408	3	7C870442AC-LLYC	150C	-65C	500	50	0		
LY20AGAGL	L-KOREA	53408	3	7C870442AC-LLYC	150C	-65C	1000	50	0		
LY20AGAGL	L-KOREA	53408	1(1)	7C870442AC-LLYC	150C	-65C	1000	50	0		
LY32AGAGL	L-KOREA	MR071008	R1	CY8C21434-24LFXI	150C	-65C	500	80	0		
LY32AGAGL	L-KOREA	MR071008	R1	CY8C21434-24LFXI	150C	-65C	1000	80	0		
LY32AGAGL	L-KOREA	MR072001	R1	CG6672AMT	150C	-65C	500	80	0		
LY32AGAGL	L-KOREA	MR072001	R1	CG6672AMT	150C	-65C	1000	78	0		
LY32BGAGL	RA-CML	64402	R1	CY8C21434-24LFXI	150C	-65C	300	45	0		
LY32BGAGL	RA-CML	64402	R1	CY8C21434-24LFXI	150C	-65C	500	45	0		
LY32BGAGL	RA-CML	64402	R2	CY8C21434-24LFXI	150C	-65C	300	44	0		
LY32BGAGL	RA-CML	64402	R2	CY8C21434-24LFXI	150C	-65C	500	43	0		

LY32BGAGL	RA-CML	64402	R3	CY8C21434-24LFXI	150C	-65C	300	45	0
LY32BGAGL	RA-CML	64402	R3	CY8C21434-24LFXI	150C	-65C	500	45	0
LY40CGAGR	L-KOREA	62301	1A	7B69103AC-LLYC	150C	-65C	300	120	0
LY40CGAGR	L-KOREA	62301	1A	7B69103AC-LLYC	150C	-65C	500	50	0
LY40CGAGR	L-KOREA	62301	1A	7B69103AC-LLYC	150C	-65C	1000	50	0
LY40CGAGR	L-KOREA	62301	1B	7B69103AC-LLYC	150C	-65C	300	119	0
LY40CGAGR	L-KOREA	62301	1B	7B69103AC-LLYC	150C	-65C	500	50	0
LY40CGAGR	L-KOREA	62301	1B	7B69103AC-LLYC	150C	-65C	1000	50	0
LY40CGAGR	L-KOREA	62301	1C	7B69213AC-LLYC	150C	-65C	300	118	0
LY40CGAGR	L-KOREA	62301	1C	7B69213AC-LLYC	150C	-65C	500	49	0
LY40CGAGR	L-KOREA	62301	1C	7B69213AC-LLYC	150C	-65C	1000	49	0
LY56AGAGL	L-KOREA	MR071035	R1	CY7C65630-56LFXC	150C	-65C	500	79	0
LY56AGAGL	L-KOREA	MR071035	R1	CY7C65630-56LFXC	150C	-65C	1000	79	0
LY56AGAGL	L-KOREA	MR072019	R1	CY7C62640A-LFXC	150C	-65C	500	73	0
LY56DGAGL	L-KOREA	MR063036	R1	CY7C68014A-56LFXC	150C	-65C	300	50	0
LY56DGAGL	L-KOREA	MR063036	R1	CY7C68014A-56LFXC	150C	-65C	500	50	0
LY56DGAGL	L-KOREA	MR063036	R1	CY7C68014A-56LFXC	150C	-65C	1000	50	0
LY56DGAGL	L-KOREA	MR064006	R1	CY8C24794-24LFXI	150C	-65C	300	50	0
LY56DGAGL	L-KOREA	MR064006	R1	CY8C24794-24LFXI	150C	-65C	500	50	0
LY56DGAGL	L-KOREA	MR064006	R1	CY8C24794-24LFXI	150C	-65C	1000	50	0
LY56DGAGL	L-KOREA	MR064098	R3	CY8C24794-24LFXI	150C	-65C	500	100	0
LY56DGAGL	L-KOREA	MR064098	R3	CY8C24794-24LFXI	150C	-65C	1000	100	0
LY68AGAGL	L-KOREA	NR064004	R1	8C24995AK-LLYI	150C	-65C	300	50	0
LY68AGAGL	L-KOREA	NR064004	R1	8C24995AK-LLYI	150C	-65C	500	50	0
LY68AGAGL	L-KOREA	NR064004	R1	8C24995AK-LLYI	150C	-65C	1000	50	0
LY68AGAGL	L-KOREA	NR064004	R2	CY8C24994-24LFXIT	150C	-65C	300	50	0
LY68AGAGL	L-KOREA	NR064004	R2	CY8C24994-24LFXIT	150C	-65C	500	48	0
LY68AGAGL	L-KOREA	NR064004	R2	CY8C24994-24LFXIT	150C	-65C	1000	48	0
LY68AGAGL	L-KOREA	NR064004	R3	8C24994AT-LLYI	150C	-65C	500	80	0
LY68AGAGL	L-KOREA	NR064004	R3	8C24994AT-LLYI	150C	-65C	1000	80	0
LY68AGABGL	L-KOREA	MR071076	R1	CY8C24994-24LFXI	150C	-65C	500	90	0
LY68AGABGL	L-KOREA	MR071076	R1	CY8C24994-24LFXI	150C	-65C	1000	90	0
LY68AGAGL	L-KOREA	62306	R1	CY8C24094A-24LYI	150C	-65C	1000	44	0
LY72AGAGL	L-KOREA	MR063074	R1	CY28447LFXC	150C	-65C	300	50	0
LY72AGAGL	L-KOREA	MR063074	R1	CY28447LFXC	150C	-65C	500	50	0
LY72AGAGL	L-KOREA	MR063074	R1	CY28447LFXC	150C	-65C	1000	50	0
LK32	CARSEM MALAYSIA	72202	R2	8C214345A	150C	-65C	100	77	0
LK32	CARSEM MALAYSIA	72202	R2	8C214345A	150C	-65C	300	77	0
LK32AAAAGL	L-KOREA	70305	R1	CY8C21434-24LKXI	150C	-65C	300	50	0
LK32AAAAGL	L-KOREA	70305	R1	CY8C21434-24LKXI	150C	-65C	500	49	0
LK32AAAAGL	L-KOREA	70305	R1	CY8C21434-24LKXI	150C	-65C	1000	49	0
LK32AAAAGL	L-KOREA	70305	R2	CY8C21434-24LKXI	150C	-65C	300	50	0
LK32AAAAGL	L-KOREA	70305	R2	CY8C21434-24LKXI	150C	-65C	500	43	0
LK32AAAAGL	L-KOREA	70305	R2	CY8C21434-24LKXI	150C	-65C	1000	42	0
LK32AAAAGL	L-KOREA	70305	R3	CY8C21434-24LKXI	150C	-65C	300	49	0
LK32AAAAGL	L-KOREA	70305	R3	CY8C21434-24LKXI	150C	-65C	500	46	0
LK32AAAAGL	L-KOREA	70305	R3	CY8C21434-24LKXI	150C	-65C	1000	46	0
LK32IGAGL	RA-CML	MR063010	R1	CY8C21434-24-LKXI	150C	-65C	300	48	0
LK32IGAGL	RA-CML	MR063010	R1	CY8C21434-24-LKXI	150C	-65C	500	48	0
LK32IGAGL	RA-CML	MR063010	R1	CY8C21434-24-LKXI	150C	-65C	1000	47	0
LK32IGAGL	RA-CML	MR071010	R1	CS6655AA	150C	-65C	500	80	0
LK32IGAGL	RA-CML	MR071010	R1	CS6655AA	150C	-65C	1000	75	0
LK32IGAGL	RA-CML	NR063001	R1	CY8C21434-24LKXI	150C	-65C	300	48	0
LK32IGAGL	RA-CML	NR063001	R1	CY8C21434-24LKXI	150C	-65C	500	48	0
LK32IGAGL	RA-CML	NR063001	R1	CY8C21434-24LKXI	150C	-65C	1000	48	0
LK32IGAGL	RA-CML	NR063001	R2	CY8C21434-24LKXI	150C	-65C	500	50	0
LK32IGAGL	RA-CML	NR063001	R2	CY8C21434-24LKXI	150C	-65C	1000	50	0
LK32IGAGL	RA-CML	NR063001	R3	CY8C21434-24LKXI	150C	-65C	300	47	0
LK32IGAGL	RA-CML	NR063001	R3	CY8C21434-24LKXI	150C	-65C	500	45	0
LK32IGAGL	RA-CML	NR063001	R3	CY8C21434-24LKXI	150C	-65C	1000	45	0

LK32IGAGL	RA-CML	NR063001	R4	CY8C21434-24LKXI	150C	-65C	300	47	0
LK32IGAGL	RA-CML	NR063001	R4	CY8C21434-24LKXI	150C	-65C	500	47	0
LK32IGAGL	RA-CML	NR063001	R4	CY8C21434-24LKXI	150C	-65C	1000	47	0
LK32IGAGL	RA-CML	NR063001	R5	CY8C21434-24LKXI	150C	-65C	300	50	0
LK32IGAGL	RA-CML	NR063001	R5	CY8C21434-24LKXI	150C	-65C	500	50	0
LK32IGAGL	RA-CML	NR063001	R5	CY8C21434-24LKXI	150C	-65C	1000	50	0
LK32IGAGL	RA-CML	NR063001	R6	CY8C21434-24LKXI	150C	-65C	300	49	0
LK32IGAGL	RA-CML	NR063001	R6	CY8C21434-24LKXI	150C	-65C	500	47	0
LK32IGAGL	RA-CML	NR063001	R6	CY8C21434-24LKXI	150C	-65C	1000	47	0
LK32IGAGL	RA-CML	NR063003	R1	CY8C21434-24LKXI	150C	-65C	300	49	0
LK32IGAGL	RA-CML	NR063003	R1	CY8C21434-24LKXI	150C	-65C	500	48	0
LK32IGAGL	RA-CML	NR063003	R1	CY8C21434-24LKXI	150C	-65C	1000	45	0
LK32IGAGL	RA-CML	NR063003	R2	CY8C21434-24LKXI	150C	-65C	300	49	0
LK32IGAGL	RA-CML	NR063003	R2	CY8C21434-24LKXI	150C	-65C	500	47	0
LK32IGAGL	RA-CML	NR063003	R2	CY8C21434-24LKXI	150C	-65C	1000	46	0
LK32IGAGL	RA-CML	NR063003	R3	CY8C21434-24LKXI	150C	-65C	300	50	0
LK32IGAGL	RA-CML	NR063003	R3	CY8C21434-24LKXI	150C	-65C	500	44	0
LK32IGAGL	RA-CML	NR063003	R3	CY8C21434-24LKXI	150C	-65C	1000	44	0
LQ32BAAAAGL	AIT-INDONESIA	71706	R10	CY8C21434A	150C	-65C	1000	74	0

Summary for Package Family : QFN (Punch Type, Pb-free) (94 records)

Sum **5,398** **0**

QFN (Saw Type, Pb-free)

LQ32BAAAAGL	AT-INDONESIA	70307	R1	CY8C21434A	150C	-65C	300	77	0
LQ32BAAAAGL	AT-INDONESIA	70307	R1	CY8C21434A	150C	-65C	500	72	0
LQ32BAAAAGL	AT-INDONESIA	70307	R1	CY8C21434A	150C	-65C	1000	72	0
LQ32BAAAAGL	AT-INDONESIA	70307	R2	CY8C21434A	150C	-65C	300	76	0
LQ32BAAAAGL	AT-INDONESIA	70307	R2	CY8C21434A	150C	-65C	1000	73	0
LQ32BAAAAGL	AIT-INDONESIA	71706	R7	CY8C21434A	150C	-65C	300	77	0
LQ32BAAAAGL	AIT-INDONESIA	71706	R7	CY8C21434A	150C	-65C	500	72	0
LQ32BAAAAGL	AIT-INDONESIA	71706	R7	CY8C21434A	150C	-65C	1000	72	0
LQ32BAAAAGL	AIT-INDONESIA	71706	R9	CY8C21434A	150C	-65C	300	76	0
LQ32BAAAAGL	AIT-INDONESIA	71706	R9	CY8C21434A	150C	-65C	1000	73	0
LQ32BAAAAGL	AT-INDONESIA	70307	R3	CY8C21434A	150C	-65C	300	74	0
LQ32BAAAAGL	AT-INDONESIA	70307	R3	CY8C21434A	150C	-65C	500	74	0
LQ32BAAAAGL	AT-INDONESIA	70307	R3	CY8C21434A	150C	-65C	1000	74	0
LQ32BAAAAGL	AIT-INDONESIA	71706	R10	CY8C21434A	150C	-65C	300	74	0
LQ32BAAAAGL	AIT-INDONESIA	71706	R10	CY8C21434A	150C	-65C	500	74	0

Summary for Package Family : QFN (Saw Type, Pb-free) (15 records)

Sum **1,110** **0**

QSOP (Pb-free)

SQ2414AGN	R-CML	63306	R1	CY7C63743-QXC	150C	-65C	300	50	0
SQ2414AGN	R-CML	63306	R1	CY7C63743-QXC	150C	-65C	500	50	0
SQ2414AGN	R-CML	63306	R1	CY7C63743-QXC	150C	-65C	1000	50	0
SQ2414AGN	R-CML	63306	R2	CY7C63743-QXC	150C	-65C	300	50	0
SQ2414AGN	R-CML	63306	R2	CY7C63743-QXC	150C	-65C	500	50	0
SQ2414AGN	R-CML	63306	R2	CY7C63743-QXC	150C	-65C	1000	50	0
SQ2414AGN	R-CML	63306	R3	CY7C63743-QXC	150C	-65C	300	50	0
SQ2414AGN	R-CML	63306	R3	CY7C63743-QXC	150C	-65C	500	50	0
SQ2414AGN	R-CML	63306	R3	CY7C63743-QXC	150C	-65C	1000	50	0
SQ2414AGN	R-CML	MR063049	R1	CY7C63101A-QXC	150C	-65C	300	50	0
SQ2414AGN	R-CML	MR063049	R1	CY7C63101A-QXC	150C	-65C	500	50	0
SQ2414AGN	R-CML	MR063049	R1	CY7C63101A-QXC	150C	-65C	1000	50	0
SQ2414AGN	R-CML	MR064015	R1	CY7C63823-QXC	150C	-65C	300	47	0
SQ2414AGN	R-CML	MR064015	R1	CY7C63823-QXC	150C	-65C	500	47	0
SQ2414AGN	R-CML	MR064015	R1	CY7C63823-QXC	150C	-65C	1000	46	0
SQ2414AGN	R-CML	MR072005	R1	CY7C63743C-QXC	150C	-65C	500	80	0

Summary for Package Family : QSOP (Pb-free) (16 records)

Sum **820** **0**

SNC									
SN2831AHN	R-CML	MR063089	R1	CY62256VNLL-70SNC	150C	-65C	300	50	0
SN2831AHN	R-CML	MR063089	R1	CY62256VNLL-70SNC	150C	-65C	500	49	0

SN2831AHN	R-CML	MR063089	R1	CY62256VNLL-70SNC	150C	-65C	1000	49	0
SN2831AHN	R-CML	MR064056	R1	CY6264-70SNI	150C	-65C	300	50	0
SN2831AHN	R-CML	MR064056	R1	CY6264-70SNI	150C	-65C	500	50	0
SN2831AHN	R-CML	MR064056	R1	CY6264-70SNI	150C	-65C	1000	50	0

Summary for Package Family : SNC (6 records)

Sum **298** **0**

SNC (Pb-free)

SY2831AHN	R-CML	MR063046	R1	CY62256LLL-55SXX	150C	-65C	300	50	0
SY2831AHN	R-CML	MR063046	R1	CY62256LLL-55SXX	150C	-65C	1000	50	0
SY2831AHN	R-CML	MR064042	R1	CY6264-70SNXI	150C	-65C	300	50	0
SY2831AHN	R-CML	MR064042	R1	CY6264-70SNXI	150C	-65C	500	50	0
SY2831AHN	R-CML	MR064042	R1	CY6264-70SNXI	150C	-65C	1000	50	0

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

Sum **250** **0**

SOIC

S0815BAGB	O-INDONESIA	MR063023	R1	CY241V08ASC-01	150C	-65C	1000	45	0
S0815BAGB	O-INDONESIA	MR064002	R1	CY2304SC-1T	150C	-65C	500	45	0
S0815BAGB	O-INDONESIA	MR064002	R1	CY2304SC-1T	150C	-65C	1000	45	0
S0815DAGB	M-PHIL	MR063033	R1	CY2305SI-1H	150C	-65C	300	50	0
S0815DAGB	M-PHIL	MR063033	R1	CY2305SI-1H	150C	-65C	500	50	0
S0815DAGB	M-PHIL	MR063033	R1	CY2305SI-1H	150C	-65C	1000	50	0
S0815DAGB	M-PHIL	MR064060	R1	CY2907SL-220	150C	-65C	300	50	0
S0815DAGB	M-PHIL	MR064060	R1	CY2907SL-220	150C	-65C	500	49	0
S0815DAGB	M-PHIL	MR064060	R1	CY2907SL-220	150C	-65C	1000	49	0
S0815PAGN	RA-CML	MR062071	R1	CY2071ASL-642	150C	-65C	1000	49	0
S0815PAGN	R-CML	MR063028	R1	CY271ASL-653T	150C	-65C	300	50	0
S0815PAGN	R-CML	MR063028	R1	CY271ASL-653T	150C	-65C	500	49	0
S0815PAGN	R-CML	MR063028	R1	CY271ASL-653T	150C	-65C	1000	46	0
S1615KAGN	RA-CML	MR063035	R1	CY2308SC-1	150C	-65C	300	50	0
S1615KAGN	RA-CML	MR063035	R1	CY2308SC-1	150C	-65C	500	50	0
S1615KAGN	RA-CML	MR063035	R1	CY2308SC-1	150C	-65C	1000	50	0
S1615KAGN	RA-CML	MR064055	R1	CY2292SL-1K2	150C	-65C	300	50	0
S1615KAGN	RA-CML	MR064055	R1	CY2292SL-1K2	150C	-65C	500	50	0
S1615KAGN	RA-CML	MR064055	R1	CY2292SL-1K2	150C	-65C	1000	50	0
S1615KAGN	RA-CML	MR071055	R1	CY2309SC-1H	150C	-65C	500	79	0
S1615KAGN	RA-CML	MR071055	R1	CY2309SC-1H	150C	-65C	1000	79	0
S183AGAGB	M-PHIL	MR062070	R1	CY7C63723-SC	150C	-65C	1000	50	0
S32	M-PHIL	62401	1	CY14E256L	150C	-65C	300	50	0
S32	M-PHIL	62401	1	CY14E256L	150C	-65C	500	50	0
S32	M-PHIL	62401	1	CY14E256L	150C	-65C	1000	50	0
S32	M-PHIL	62401	2	CY14E256L	150C	-65C	300	50	0
S32	M-PHIL	62401	2	CY14E256L	150C	-65C	500	50	0
S32	M-PHIL	62401	2	CY14E256L	150C	-65C	1000	50	0
S32	M-PHIL	63207	2	CY14E256L	150C	-65C	300	50	0
S32	M-PHIL	63207	2	CY14E256L	150C	-65C	500	50	0
S32	M-PHIL	63207	2	CY14E256L	150C	-65C	1000	50	0
S32	M-PHIL	63207	3	CY14E256L	150C	-65C	300	50	0
S32	M-PHIL	63207	3	CY14E256L	150C	-65C	500	50	0
S32	M-PHIL	63207	3	CY14E256L	150C	-65C	1000	50	0
S324513GAN	R-CML	63002	R1	CY7C53120E4-40SI	150C	-65C	300	50	0
S324513GAN	R-CML	63002	R1	CY7C53120E4-40SI	150C	-65C	500	50	0
S324513GAN	R-CML	63002	R1	CY7C53120E4-40SI	150C	-65C	1000	50	0
S324513GN	T-TAIWAN	63003	R1	CY7C53120E4-40SI	150C	-65C	300	50	0
S324513GN	T-TAIWAN	63003	R1	CY7C53120E4-40SI	150C	-65C	500	50	0
S324513GN	T-TAIWAN	63003	R1	CY7C53120E4-40SI	150C	-65C	1000	50	0
S324513GN	R-CML	MR063054	R1	CY62128BLL-70SI	150C	-65C	300	50	0
S324513GN	R-CML	MR063054	R1	CY62128BLL-70SI	150C	-65C	500	49	0
S324513GN	R-CML	MR063054	R1	CY62128BLL-70SI	150C	-65C	1000	49	0

Summary for Package Family : SOIC (42 records)

Sum **2,183** **0**

SOIC (Pb-free)

SZ0815DGN	M-PHIL	53301	2	7C850003BC-MSZC	150C	-65C	300	50	0		
SZ0815DGN	M-PHIL	53301	2	7C850003BC-MSZC	150C	-65C	500	50	0		
SZ0815DGN	M-PHIL	53301	2	7C850003BC-MSZC	150C	-65C	1000	50	0		
SZ0815DGN	M-PHIL	53301	3	7C850003BC-MSZC	150C	-65C	300	49	0		
SZ0815DGN	M-PHIL	53301	3	7C850003BC-MSZC	150C	-65C	500	49	0		
SZ0815DGN	M-PHIL	53301	3	7C850003BC-MSZC	150C	-65C	1000	48	0		
SZ1615	RA-CML	61704	R2	W129AG	150C	-65C	1000	50	0		
SZ1615	RA-CML	61704	R3A	W129AG	150C	-65C	1000	43	0		
SZ1615	RA-CML	61704	R3B	W129AG	150C	-65C	1000	45	0		
SZ1615FAL	M-PHIL	60803	R3	CYV15G010EQ	150C	-65C	300	45	0		
SZ1615FAL	M-PHIL	60803	R3	CYV15G010EQ	150C	-65C	500	45	0		
SZ1615FAL	M-PHIL	60803	R3	CYV15G010EQ	150C	-65C	1000	45	0		
SZ1615FAL	T-TAIWAN	63804	R1A	CYV15G010EQ	150C	-65C	300	45	0		
SZ1615FAL	T-TAIWAN	63804	R1A	CYV15G010EQ	150C	-65C	500	45	0		
SZ1615FAL	T-TAIWAN	63804	R1A	CYV15G010EQ	150C	-65C	1000	45	0		
SZ1615FAL	T-TAIWAN	70504	R1A	CYV15G0102EQ-SXCES	150C	-65C	300	77	0		
SZ1615FAL	T-TAIWAN	70504	R1A	CYV15G0102EQ-SXCES	150C	-65C	500	77	0		
SZ1615FAL	T-TAIWAN	70504	R1A	CYV15G0102EQ-SXCES	150C	-65C	1000	77	0		
SZ1615KGN	RA-CML	MR071056	R1	CY2309SXI-1H	150C	-65C	500	77	0		
SZ1615KGN	RA-CML	MR071056	R1	CY2309SXI-1H	150C	-65C	1000	77	0		
SZ1615KGN	RA-CML	MR072020	R1	CY2309SXC-1	150C	-65C	500	80	0		
SZ1615KGN	RA-CML	MR072020	R1	CY2309SXC-1	150C	-65C	1000	80	0		
SZ1615KGN	RA-CML	NR072009	R6	CY2292SXI-1T1T	150C	-65C	500	15	0		
SZ183AGAN	M-PHIL	MR063052	R1	CY7C63723-SXC	150C	-65C	300	50	0		
SZ183AGAN	M-PHIL	MR063052	R1	CY7C63723-SXC	150C	-65C	500	50	0		
SZ183AGAN	M-PHIL	MR063052	R1	CY7C63723-SXC	150C	-65C	1000	50	0		
SZ183AGAN	M-PHIL	MR064051	R1	CY7C63813-SXC	150C	-65C	300	50	0		
SZ183AGAN	M-PHIL	MR064051	R1	CY7C63813-SXC	150C	-65C	500	49	0		
SZ183AGAN	M-PHIL	MR064051	R1	CY7C63813-SXC	150C	-65C	1000	49	0		
SZ183AGAN	M-PHIL	MR072028	R1	CY7C63723-SXC	150C	-65C	500	80	0		
SZ183AGAN	M-PHIL	NR061007	R2	CY7C63231A-SXC	150C	-65C	300	45	0		
SZ183AGAN	M-PHIL	NR061007	R2	CY7C63231A-SXC	150C	-65C	500	45	0		
SZ183AGAN	M-PHIL	NR061007	R2	CY7C63231A-SXC	150C	-65C	1000	45	0		
SZ183AGAN	M-PHIL	NR061007	R3	CY7C63813-SXC	150C	-65C	300	50	0		
SZ183AGAN	M-PHIL	NR061007	R3	CY7C63813-SXC	150C	-65C	1000	50	0		
SZ183CGAN	RA-CML	MR062072	R1	CY7C63231A-SXC	150C	-65C	1000	50	0		
SZ183CGAN	RA-CML	MR063050	R1	CY7C63723-SXC	150C	-65C	300	46	0		
SZ183CGAN	RA-CML	MR063050	R1	CY7C63723-SXC	150C	-65C	500	46	0		
SZ183CGAN	RA-CML	MR063050	R1	CY7C63723-SXC	150C	-65C	1000	50	0		
SZ183CGAN	RA-CML	MR064009	R1	CY7C63723-SXC	150C	-65C	300	50	0		
SZ183CGAN	RA-CML	MR064009	R1	CY7C63723-SXC	150C	-65C	500	50	0		
SZ183CGAN	RA-CML	MR064009	R1	CY7C63723-SXC	150C	-65C	1000	50	0		
SZ183CGAN	RA-CML	MR072026	R1	CY7C63723-SXC	150C	-65C	500	80	0		
SZ183CGAN	RA-CML	NR061006	R2	CY7C63231A-SXC	150C	-65C	1000	50	0		
SZ183CGAN	RA-CML	NR061006	R3	CY7C63723-SXC	150C	-65C	1000	50	0		
SZ2032GAN	R-CML	MR063012	R1	CY7C63001A-SXC	150C	-65C	300	50	0		
SZ2032GAN	R-CML	MR063012	R1	CY7C63001A-SXC	150C	-65C	500	50	0		
SZ2032GAN	R-CML	MR063012	R1	CY7C63001A-SXC	150C	-65C	1000	50	0		
SZ2035GAL	R-CML	71201	R2A	CY8C24223A-24SXI	150C	-65C	300	50	0		
SZ2035GAL	R-CML	71201	R2A	CY8C24223A-24SXI	150C	-65C	500	50	0		
SZ2035GAL	R-CML	MR064053	R1	CY8C24223A-24SXI	150C	-65C	300	50	0		
SZ2035GAL	R-CML	MR064053	R1	CY8C24223A-24SXI	150C	-65C	500	50	0		
SZ2035GAL	R-CML	MR064053	R1	CY8C24223A-24SXI	150C	-65C	1000	30	20	MR064053-1T3	20-Cut wedge
SZ2035GAL	R-CML	MR072009	R1	CY8C24223A-24SXI	150C	-65C	500	79	0		
SZ28327GL	R-CML	62101	R2	CY7C65113C	150C	-65C	500	44	0		
SZ28327GL	R-CML	62101	R2	CY7C65113C	150C	-65C	1000	42	0		
SZ28327GL	R-CML	62101	R3	CY7C64013-S	150C	-65C	500	45	0		
SZ28327GL	R-CML	62101	R3	CY7C64013-S	150C	-65C	1000	45	0		
SZ324513N	R-CML	MR064074	R1	CY7C53120E4-40SXI	150C	-65C	300	50	0		
SZ324513N	R-CML	MR064074	R1	CY7C53120E4-40SXI	150C	-65C	500	50	0		
SZ324513N	R-CML	MR064074	R1	CY7C53120E4-40SXI	150C	-65C	1000	50	0		

SZ324514LL	R-CML	MR064021	R1	CY62148DV30LL-70SXI	150C	-65C	300	50	0
SZ324514LL	R-CML	MR064021	R1	CY62148DV30LL-70SXI	150C	-65C	500	50	0
SZ324514LL	R-CML	MR064021	R1	CY62148DV30LL-70SXI	150C	-65C	1000	50	0
SZ32457LN	R-CML	MR072007	R1	CY62128ELL-45SXI	150C	-65C	500	80	0
SZ815DAGN	M-PHIL	MR071023	R1	CY2305SXC-1HT	150C	-65C	500	80	0
SZ815DAGN	M-PHIL	MR071023	R1	CY2305SXC-1HT	150C	-65C	1000	80	0
SZ815DAGN	M-PHIL	MR072002	R1	CY2305SXI-1H	150C	-65C	500	80	0
SZ815DAGN	M-PHIL	MR072002	R1	CY2305SXI-1H	150C	-65C	1000X	80	0
SZ815PAGN	RA-CML	71306	R1	CY25560BR	150C	-65C	500	80	0
SZ815PAGN	RA-CML	71306	R1	CY25560BR	150C	-65C	1000	80	0
SZ815PAGN	RA-CML	71306	R1A	CY25560BR	150C	-65C	500	79	0
SZ815PAGN	RA-CML	71306	R1A	CY25560BR	150C	-65C	1000	79	0
SZ815PAGN	RA-CML	71306	R2	CY25560BR	150C	-65C	500	80	0
SZ815PAGN	RA-CML	71306	R2	CY25560BR	150C	-65C	1000	80	0
SZ815PAGN	RA-CML	71306	R2A	CY25560BR	150C	-65C	500	80	0
SZ815PAGN	RA-CML	71306	R2A	CY25560BR	150C	-65C	1000	80	0
SZ815PAGN	RA-CML	71306	R3	CY25560BR	150C	-65C	500	78	0
SZ815PAGN	RA-CML	71306	R3	CY25560BR	150C	-65C	1000	78	0
SZ815PAGN	RA-CML	71306	R3A	CY25560BR	150C	-65C	500	79	0
SZ815PAGN	RA-CML	71306	R3A	CY25560BR	150C	-65C	1000	79	0
SZ815PAGN	RA-CML	MR063011	R1	CY2305SXC-1H	150C	-65C	300	50	0
SZ815PAGN	RA-CML	MR063011	R1	CY2305SXC-1H	150C	-65C	500	50	0
SZ815PAGN	RA-CML	MR063011	R1	CY2305SXC-1H	150C	-65C	1000	50	0

Summary for Package Family : SOIC (Pb-free) (84 records)

Sum **4,836** **20**

SSOP

O2024GAGE	M-PHIL	MR063107	R1	CY2DP3140I	150C	-65C	300	49	0
O2024GAGE	M-PHIL	MR063107	R1	CY2DP3140I	150C	-65C	500	49	0
O2024GAGE	M-PHIL	MR063107	R1	CY2DP3140I	150C	-65C	1000	49	0
O2824GAGB	T-TAIWAN	MR063025	R1	CY284000C	150C	-65C	300	47	0
O2824GAGB	T-TAIWAN	MR063025	R1	CY284000C	150C	-65C	500	47	0
O2824GAGB	T-TAIWAN	MR063025	R1	CY284000C	150C	-65C	1000	47	0
O2824GAGB	T-TAIWAN	MR064013	R1	CY284000C	150C	-65C	300	50	0
O2824GAGB	T-TAIWAN	MR064013	R1	CY284000C	150C	-65C	500	50	0
O2824GAGB	T-TAIWAN	MR064013	R1	CY284000C	150C	-65C	1000	50	0
O563AXAGB	R-CML	MR053029	R1	CY283460C	150C	-65C	300	49	0
O563AXAGN	R-CML	MR063026	R1	CY284190C	150C	-65C	300	50	0
O563AXAGN	R-CML	MR063026	R1	CY284190C	150C	-65C	500	50	0
O563AXAGN	R-CML	MR063026	R1	CY284190C	150C	-65C	1000	50	0
O563AXAGN	R-CML	MR064045	R1	CY284190C	150C	-65C	300	45	0
O563AXAGN	R-CML	MR064045	R1	CY284190C	150C	-65C	500	45	0
O563AXAGN	R-CML	MR064045	R1	CY284190C	150C	-65C	1000	45	0
O563AXAGN	R-CML	MR071027	R1	CY284190C	150C	-65C	500	80	0
O563AXAGN	R-CML	MR071027	R1	CY284190C	150C	-65C	1000	80	0

Summary for Package Family : SSOP (18 records)

Sum **932** **0**

SSOP (Pb-free)

28L SSOP	M-PHIL	60208	R1	CY8C20334-PVXI	150C	-65C	300	50	0
28L SSOP	M-PHIL	60208	R1	CY8C20334-PVXI	150C	-65C	500	50	0
28L SSOP	M-PHIL	60208	R1	CY8C20334-PVXI	150C	-65C	1000	50	0
SP2023GAL	T-TAIWAN	MR063060	R1	CY8C26233-24PVXIT	150C	-65C	300	48	0
SP2023GAL	T-TAIWAN	MR063060	R1	CY8C26233-24PVXIT	150C	-65C	500	48	0
SP2023GAL	T-TAIWAN	MR063060	R1	CY8C26233-24PVXIT	150C	-65C	1000	48	0
SP2023GAL	T-TAIWAN	MR071036	R1	CS6585AMT	150C	-65C	500	80	0
SP2023GAL	T-TAIWAN	MR071036	R1	CS6585AMT	150C	-65C	1000	80	0
SP2024AGL	M-PHIL	MR072011	R1	CG6646AA	150C	-65C	500	80	0
SP2024AGL	M-PHIL	MR072011	R1	CG6646AA	150C	-65C	1000	80	0
SP2026YAN	T-TAIWAN	MR071006	R1	CY8C21334-24PVXI	150C	-65C	500	80	0
SP2026YAN	T-TAIWAN	MR071006	R1	CY8C21334-24PVXI	150C	-65C	1000	80	0
SP2029AAGL	RA-CML	63711	R5	CY8C24223A-24PVXI	150C	-65C	300	50	0
SP2029AAGL	RA-CML	63711	R5	CY8C24223A-24PVXI	150C	-65C	500	50	0

SP2029AAGL	RA-CML	63711	R5	CY8C24223A-24PVXI	150C	-65C	1000	50	0
SP2029AAGL	RA-CML	NR064003	R1	CY8C21334-24PVXI	150C	-65C	300	50	0
SP2029AAGL	RA-CML	NR064003	R1	CY8C21334-24PVXI	150C	-65C	500	50	0
SP2029AAGL	RA-CML	NR064003	R1	CY8C21334-24PVXI	150C	-65C	1000	50	0
SP2029AAGL	RA-CML	NR064003	R11	8C21334AC-RASPI	150C	-65C	500	15	0
SP2029AAGL	RA-CML	NR064003	R2	CY8C21334-24PVXI	150C	-65C	500	80	0
SP2029AAGL	RA-CML	NR064003	R2	CY8C21334-24PVXI	150C	-65C	1000	80	0
SP2029AAGL	RA-CML	NR064003	R3	CY8C21334-24PVXI	150C	-65C	500	74	0
SP2029AAGL	RA-CML	NR064003	R4	CY8C21334-24PVXI	150C	-65C	500	15	0
SP2029AAGL	RA-CML	NR064003	R4	CY8C21334-24PVXI	150C	-65C	1000	15	0
SP28	RA-CML	NR064003	R6	CY8C29466-24PVXI	150C	-65C	500	15	0
SP2814HAL	M-PHIL	63210	R1	CY8C27443-24PVXI	150C	-65C	300	47	0
SP2814HAL	M-PHIL	63210	R1	CY8C27443-24PVXI	150C	-65C	500	47	0
SP2814HAL	M-PHIL	63210	R1	CY8C27443-24PVXI	150C	-65C	1000	47	0
SP2814HAL	M-PHIL	MR064068	R1	CS6250AM	150C	-65C	300	48	0
SP2814HAL	M-PHIL	MR064068	R1	CS6250AM	150C	-65C	500	48	0
SP2814HAL	M-PHIL	MR064068	R1	CS6250AM	150C	-65C	1000	48	0
SP28214GL	T-TAIWAN	63002	R2	CY8C24423A-PVXI	150C	-65C	300	47	0
SP28214GL	T-TAIWAN	63002	R2	CY8C24423A-PVXI	150C	-65C	500	47	0
SP28214GL	T-TAIWAN	63002	R2	CY8C24423A-PVXI	150C	-65C	1000	47	0
SP28214GL	T-TAIWAN	63002	R3	CY8C24423A-PVXI	150C	-65C	300	50	0
SP28214GL	T-TAIWAN	63002	R3	CY8C24423A-PVXI	150C	-65C	500	50	0
SP28214GL	T-TAIWAN	63002	R3	CY8C24423A-PVXI	150C	-65C	1000	50	0
SP28214GL	T-TAIWAN	63003	R2	CY8C24423A-24PVXI	150C	-65C	300	50	0
SP28214GL	T-TAIWAN	63003	R2	CY8C24423A-24PVXI	150C	-65C	500	50	0
SP28214GL	T-TAIWAN	63003	R2	CY8C24423A-24PVXI	150C	-65C	1000	50	0
SP28214GL	T-TAIWAN	63003	R3	CY8C26443-24PVXI	150C	-65C	300	50	0
SP28214GL	T-TAIWAN	63003	R3	CY8C26443-24PVXI	150C	-65C	500	50	0
SP28214GL	T-TAIWAN	63003	R3	CY8C26443-24PVXI	150C	-65C	1000	50	0
SP28214GL	T-TAIWAN	MR064005	R1	CY8C24423A-24PVXI	150C	-65C	300	50	0
SP28214GL	T-TAIWAN	MR064005	R1	CY8C24423A-24PVXI	150C	-65C	500	50	0
SP28214GL	T-TAIWAN	MR064005	R1	CY8C24423A-24PVXI	150C	-65C	1000	50	0
SP28214GL	T-TAIWAN	MR064082	R1	CY7C64215-28PVXC	150C	-65C	300	100	0
SP28214GL	T-TAIWAN	MR064082	R1	CY7C64215-28PVXC	150C	-65C	500	100	0
SP28214GL	T-TAIWAN	MR064082	R1	CY7C64215-28PVXC	150C	-65C	1000	99	0
SP28214GL	T-TAIWAN	MR072004	R1	CY8C24423A-24PVXI	150C	-65C	500	76	0
SP28215GGL	RA-CML	MR072021	R1	CY8C1534-24PVXIT	150C	-65C	500	80	0
SP28215GGL	RA-CML	63711	R1	CY8C29466A-24PVXI	150C	-65C	300	45	0
SP28215GGL	RA-CML	63711	R1	CY8C29466A-24PVXI	150C	-65C	500	45	0
SP28215GGL	RA-CML	63711	R1	CY8C29466A-24PVXI	150C	-65C	1000	45	0
SP28215GGL	RA-CML	63711	R2	CY8C29466A-24PVXI	150C	-65C	300	44	0
SP28215GGL	RA-CML	63711	R2	CY8C29466A-24PVXI	150C	-65C	500	42	0
SP28215GGL	RA-CML	63711	R2	CY8C29466A-24PVXI	150C	-65C	1000	42	0
SP28215GGL	RA-CML	63711	R3	CY8C29466A-24PVXI	150C	-65C	300	45	0
SP28215GGL	RA-CML	63711	R3	CY8C29466A-24PVXI	150C	-65C	500	45	0
SP28215GGL	RA-CML	63711	R3	CY8C29466A-24PVXI	150C	-65C	1000	45	0
SP28215GGL	RA-CML	63711	R4	CY8C27443-24PVXI	150C	-65C	300	50	0
SP28215GGL	RA-CML	63711	R4	CY8C27443-24PVXI	150C	-65C	500	50	0
SP28215GGL	RA-CML	63711	R4	CY8C27443-24PVXI	150C	-65C	1000	50	0
SP28215GGL	RA-CML	63711	R6	CY7C60323-PVXC	150C	-65C	300	38	0
SP28215GGL	RA-CML	63711	R6	CY7C60323-PVXC	150C	-65C	500	38	0
SP28215GGL	RA-CML	63711	R6	CY7C60323-PVXC	150C	-65C	1000	38	0
SP28215GGL	RA-CML	MR071070	R1	CY8C21534-24PVXIT	150C	-65C	500	80	0
SP2821AGB	M-PHIL	62509	R1	CY8C21534-24PVXI	150C	-65C	300	50	0
SP2821AGB	M-PHIL	62509	R1	CY8C21534-24PVXI	150C	-65C	500	50	0
SP2821AGB	M-PHIL	62509	R1	CY8C21534-24PVXI	150C	-65C	1000	50	0
SP2821AGB	M-PHIL	MR071029	R1	CY8C21534-24PVXI	150C	-65C	500	100	0
SP2821AGB	M-PHIL	MR071029	R1	CY8C21534-24PVXI	150C	-65C	1000	99	0
SP2822AGL	M-PHIL	60605	R1A	CY8C24494-24PVXT	150C	-65C	1000	50	0
SP2822AGL	M-PHIL	60605	R2A	CY8C24494-24PVXI	150C	-65C	300	50	0
SP2822AGL	M-PHIL	60605	R2A	CY8C24494-24PVXI	150C	-65C	500	49	0

SP2822AGL	M-PHIL	60605	R2A	CY8C24494-24PVXI	150C	-65C	1000	49	0
SP2822AGL	M-PHIL	60605	R3A	CY8C24494-24PVXT	150C	-65C	300	50	0
SP2822AGL	M-PHIL	60605	R3A	CY8C24494-24PVXT	150C	-65C	500	49	0
SP2822AGL	M-PHIL	60605	R3A	CY8C24494-24PVXT	150C	-65C	1000	49	0
SP2822BGL	M-PHIL	NR071001	R1	CY8C24423A-12PVXE	150C	-65C	500	49	0
SP2822BGL	M-PHIL	NR071001	R1	CY8C24423A-12PVXE	150C	-65C	1000	49	0
SP483AGAN	R-CML	MR072017	R1	CY7C63413C-PVXC	150C	-65C	500	80	0
SP563AAGN	R-CML	71201	R2B	CY28409OXCT	150C	-65C	500	80	0
SP563AAGN	R-CML	MR064026	R1	CY28410OXC	150C	-65C	300	50	0
SP563AAGN	R-CML	MR064026	R1	CY28410OXC	150C	-65C	500	50	0
SP563AAGN	R-CML	MR064026	R1	CY28410OXC	150C	-65C	1000	50	0
SP563AAGN	R-CML	MR071041	R1	CY28409OXCT	150C	-65C	500	80	0
SP563AAGN	R-CML	MR071041	R1	CY28409OXCT	150C	-65C	1000	80	0
SP563BAGL	R-CML	63103	R1	CY7C68001-56PVXC	150C	-65C	300	34	0
SP563BAGL	R-CML	63103	R1	CY7C68001-56PVXC	150C	-65C	500	34	0
SP563BAGL	R-CML	63103	R1	CY7C68001-56PVXC	150C	-65C	1000	34	0
SP563BAGL	R-CML	63103	R1A	CY7C68001-56PVXC	150C	-65C	1000	20	0
SP563BAGL	R-CML	63103	R2	CY7C68001-56PVXC	150C	-65C	300	45	0
SP563BAGL	R-CML	63103	R2	CY7C68001-56PVXC	150C	-65C	500	45	0
SP563BAGL	R-CML	63103	R2	CY7C68001-56PVXC	150C	-65C	1000	45	0
SP563BAGL	R-CML	63103	R3	CY7C68001-56PVXC	150C	-65C	300	44	0
SP563BAGL	R-CML	63103	R3	CY7C68001-56PVXC	150C	-65C	500	44	0
SP563BAGL	R-CML	63103	R3	CY7C68001-56PVXC	150C	-65C	1000	44	0
SP563BAGL	R-CML	MR063075	R1	CY7C68001-56PVXC	150C	-65C	300	50	0
SP563BAGL	R-CML	MR063075	R1	CY7C68001-56PVXC	150C	-65C	500	50	0
SP563BAGL	R-CML	MR063075	R1	CY7C68001-56PVXC	150C	-65C	1000	50	0

Summary for Package Family : SSOP (Pb-free) (41 records)

Sum **5,393** **0**

SOIC (J-Lead)

V243GGBLE	O- INDONESIA	MR064020	R1	CY7C194B-15VC	150C	-65C	500	45	0
V243GGBLE	O- INDONESIA	MR064020	R1	CY7C194B-15VC	150C	-65C	1000	45	0
V2835GAHN	R-CML	62101	R1	CY7C1599	150C	-65C	300	45	0
V2835GAHN	R-CML	62101	R1	CY7C1599	150C	-65C	500	45	0
V2835GAHN	R-CML	62101	R1	CY7C1599	150C	-65C	1000	44	0
V2835GAHN	R-CML	MR063047	R1	CY7C199-15VC	150C	-65C	300	50	0
V2835GAHN	R-CML	MR063047	R1	CY7C199-15VC	150C	-65C	500	50	0
V2835GAHN	R-CML	MR063047	R1	CY7C199-15VC	150C	-65C	1000	50	0
V2835GALN	R-CML	MR064011	R1	CY7C185-20VC	150C	-65C	300	50	0
V2835GALN	R-CML	MR064011	R1	CY7C185-20VC	150C	-65C	500	50	0
V2835GALN	R-CML	MR064011	R1	CY7C185-20VC	150C	-65C	1000	49	0
V2835GALN	R-CML	MR071001	R1	CY7C185-25VC	150C	-65C	500	80	0
V2835GALN	R-CML	MR071001	R1	CY7C185-25VC	150C	-65C	1000	80	0
V32417ALE	O- INDONESIA	MR063024	R1	CY7C1019CV33-10VC	150C	-65C	1000	45	0
V32421GLN	R-CML	71201	R1C	CY7C1019CV33-12VI	150C	-65C	500	80	0
V32421GLN	R-CML	71201	R1C	CY7C1019CV33-12VI	150C	-65C	1000	79	0
V32421GLN	R-CML	MR071050	R1	CY7C1019CV33-12VI	150C	-65C	500	80	0
V32421GLN	R-CML	MR071050	R1	CY7C1019CV33-12VI	150C	-65C	1000	79	0
V32421XLN	R-CML	MR064003	R1	CY7C1019CV33-12VC	150C	-65C	300	50	0
V32421XLN	R-CML	MR064003	R1	CY7C1019CV33-12VC	150C	-65C	500	50	0
V32421XLN	R-CML	MR064003	R1	CY7C1019CV33-12VC	150C	-65C	1000	50	0

Summary for Package Family : SOIC (J-Lead) (22 records)

Sum **1,196** **0**

SOIC (J-Lead, Pb-Free)

VZ2439AGS	O- INDONESIA	MR062061	R1	CY7C187-25VXC	150C	-65C	1000	45	0
VZ2439AGS	O- INDONESIA	MR063044	R1	CY7C187/25VXC	150C	-65C	300	49	0
VZ2439AGS	O- INDONESIA	MR063044	R1	CY7C187/25VXC	150C	-65C	500	49	0
VZ2439AGS	O- INDONESIA	MR063044	R1	CY7C187/25VXC	150C	-65C	1000	49	0

	INDONESIA									
VZ2439AGS	O-INDONESIA	MR064067	R1	CY7C187-25VXC	150C	-65C	300	50	0	
VZ2439AGS	O-INDONESIA	MR064067	R1	CY7C187-25VXC	150C	-65C	500	50	0	
VZ2439AGS	O-INDONESIA	MR064067	R1	CY7C187-25VXC	150C	-65C	1000	50	0	
VZ2439AGS	O-INDONESIA	MR071061	R1	CY7C187-35VXC	150C	-65C	500	80	0	
VZ2439AGS	O-INDONESIA	NR062004	R1	CY7C187-25VXC	150C	-65C	300	45	0	
VZ2439AGS	O-INDONESIA	NR062004	R1	CY7C187-25VXC	150C	-65C	500	45	0	
VZ2439AGS	O-INDONESIA	NR062004	R1	CY7C187-25VXC	150C	-65C	1000	45	0	
VZ2439AGS	O-INDONESIA	NR062004	R2	CY7C187-35VXC	150C	-65C	300	45	0	
VZ2439AGS	O-INDONESIA	NR062004	R2	CY7C187-35VXC	150C	-65C	500	45	0	
VZ2439AGS	O-INDONESIA	NR062004	R2	CY7C187-35VXC	150C	-65C	1000	45	0	
VZ2439AGS	O-INDONESIA	NR062004	R3	CY7C187-25VXC	150C	-65C	300	45	0	
VZ2439AGS	O-INDONESIA	NR062004	R3	CY7C187-25VXC	150C	-65C	500	45	0	
VZ2439AGS	O-INDONESIA	NR062004	R3	CY7C187-25VXC	150C	-65C	1000	45	0	
VZ28311LL	R-CML	MR063045	R1	CY7C199C-20VXC	150C	-65C	300	50	0	
VZ28311LL	R-CML	MR063045	R1	CY7C199C-20VXC	150C	-65C	500	50	0	
VZ28311LL	R-CML	MR063045	R1	CY7C199C-20VXC	150C	-65C	1000	50	0	
VZ28320ALR	O-INDONESIA	70309	R1	CY7C192-15VXCT	150C	-65C	300	44	0	
VZ28320ALR	O-INDONESIA	70309	R1	CY7C192-15VXCT	150C	-65C	1000	44	0	
VZ28320ALR	O-INDONESIA	70309	R2	CY7C192-15VXCT	150C	-65C	300	45	0	
VZ28320ALR	O-INDONESIA	70309	R2	CY7C192-15VXCT	150C	-65C	1000	45	0	
VZ28320ALR	O-INDONESIA	70309	R3	CY7C192-15VXCT	150C	-65C	300	45	0	
VZ28320ALR	O-INDONESIA	70309	R3	CY7C192-15VXCT	150C	-65C	1000	45	0	
VZ2843AGN	O-INDONESIA	63506	R1	CY7C106	150C	-65C	300	50	0	
VZ2843AGN	O-INDONESIA	63506	R1	CY7C106	150C	-65C	500	49	0	
VZ2843AGN	O-INDONESIA	63506	R1	CY7C106	150C	-65C	1000	49	0	
VZ2843AGN	O-INDONESIA	63506	R2	CY7C106	150C	-65C	300	50	0	
VZ2843AGN	O-INDONESIA	63506	R2	CY7C106	150C	-65C	500	50	0	
VZ2843AGN	O-INDONESIA	63506	R2	CY7C106	150C	-65C	1000	50	0	
VZ2843AGN	O-INDONESIA	63506	R3	CY7C106	150C	-65C	300	50	0	
VZ2843AGN	O-INDONESIA	63506	R3	CY7C106	150C	-65C	500	50	0	
VZ2843AGN	O-INDONESIA	63506	R3	CY7C106	150C	-65C	1000	50	0	
VZ32418LL	R-CML	NR064001	R1	7C109SMC-RVZC	150C	-65C	300	50	0	
VZ32418LL	R-CML	NR064001	R1	7C109SMC-RVZC	150C	-65C	500	50	0	
VZ32418LL	R-CML	NR064001	R1	7C109SMC-RVZC	150C	-65C	1000	39	0	
VZ32418LL	R-CML	NR064001	R2	7C109SMC-RVZC	150C	-65C	300	50	0	
VZ32418LL	R-CML	NR064001	R2	7C109SMC-RVZC	150C	-65C	500	50	0	
VZ32421LL	R-CML	NR064001	R3	7C1319GC-RVZC	150C	-65C	500	79	0	
VZ32421LL	R-CML	NR064001	R3	7C1319GC-RVZC	150C	-65C	1000	79	0	
VZ32421LN	R-CML	MR063068	R1	CY7C1019CV33-15VXC	150C	-65C	300	50	0	
VZ32421LN	R-CML	MR063068	R1	CY7C1019CV33-15VXC	150C	-65C	500	50	0	
VZ32421LN	R-CML	MR063068	R1	CY7C1019CV33-15VXC	150C	-65C	1000	50	0	

VZ3644GALL	R-CML	MR064066	R1	CY7C1049B-15VXI	150C	-65C	300	50	0
VZ3644GALL	R-CML	MR064066	R1	CY7C1049B-15VXI	150C	-65C	500	50	0
VZ3644GALL	R-CML	MR064066	R1	CY7C1049B-15VXI	150C	-65C	1000	50	0
VZ444TAGAL	R-CML	63104	R1	CY7C1041D-VXI	150C	-65C	300	50	0
VZ444TAGAL	R-CML	63104	R1	CY7C1041D-VXI	150C	-65C	500	50	0
VZ444TAGAL	R-CML	63104	R2	CY7C1041D-VXI	150C	-65C	300	50	0
VZ444TAGAL	R-CML	63104	R2	CY7C1041D-VXI	150C	-65C	500	50	0
VZ444TAGAL	R-CML	63104	R3	CY7C1041D-VXI	150C	-65C	300	50	0
VZ444TAGAL	R-CML	63104	R3	CY7C1041D-VXI	150C	-65C	500	50	0
VZ444ZALL	R-CML	MR063032	R1	CY7C1021CV33-15VXC	150C	-65C	300	50	0
VZ444ZALL	R-CML	MR063032	R1	CY7C1021CV33-15VXC	150C	-65C	500	50	0
VZ444ZALL	R-CML	MR063032	R1	CY7C1021CV33-15VXC	150C	-65C	1000	50	0
VZ444ZALL	R-CML	MR064052	R1	CY7C1021CV33-8VXC	150C	-65C	300	50	0
VZ444ZALL	R-CML	MR064052	R1	CY7C1021CV33-8VXC	150C	-65C	500	50	0
VZ444ZALL	R-CML	MR064052	R1	CY7C1021CV33-8VXC	150C	-65C	1000	50	0
VZ444ZALL	R-CML	MR071024	R1	CY7C1021CV33-10VXC	150C	-65C	500	80	0
VZ444ZALL	R-CML	MR071024	R1	CY7C1021CV33-10VXC	150C	-65C	1000	80	0

Summary for Package Family : SOIC (J-Lead, Pb-free) (63 records)

Sum **3,150** **0**

TQFP

A100AGAGE	G-TAIWAN	MR063092	R1	CY7C028V-20AC	150C	-65C	300	50	0
A100AGAGE	G-TAIWAN	MR063092	R1	CY7C028V-20AC	150C	-65C	500	50	0
A100AGAGE	G-TAIWAN	MR063092	R1	CY7C028V-20AC	150C	-65C	1000	50	0
A120CGAGE	G-TAIWAN	63605	R1A	CY7CS8AT1A-35AC	150C	-65C	300	50	0
A32BXGAN	L-KOREA	MR063034	R1	CY7C4241AT-QACB	150C	-65C	300	50	0
A32BXGAN	L-KOREA	MR063034	R1	CY7C4241AT-QACB	150C	-65C	500	50	0
A32BXGAN	L-KOREA	MR063034	R1	CY7C4241AT-QACB	150C	-65C	1000	50	0
A52ASGAGE	Q-KOREA	MR062082	R1	CY7B9973V-AC	150C	-65C	500	50	0
A52ASGAGE	Q-KOREA	MR062082	R1	CY7B9973V-AC	150C	-65C	1000	50	0
A52ASGAGE	Q-KOREA	MR064081	R1	CY7B9945V-5AC	150C	-65C	300	48	0
A52ASGAGE	Q-KOREA	MR064081	R1	CY7B9945V-5AC	150C	-65C	500	48	0
A52ASGAGE	Q-KOREA	MR064081	R1	CY7B9945V-5AC	150C	-65C	1000	48	0
A52ASGAGE	Q-KOREA	MR071062	R1	CY7B9973V-AC	150C	-65C	500	80	0
A52ASGAGE	Q-KOREA	MR071062	R1	CY7B9973V-AC	150C	-65C	1000	80	0

Summary for Package Family : TQFP (14 records)

Sum **754** **0**

TQFP (10 X 10)

Summary for Package Family : TQFP (10 X 10) (0 record)

Sum **0** **0**

TQFP (Pb-free)

AZ100RCGAN	G-TAIWAN	NR062003	R1	7C82001BC-GAZC	150C	-65C	300	45	0
AZ100RCGAN	G-TAIWAN	NR062003	R1	7C82001BC-GAZC	150C	-65C	1000	45	0
AZ100RCGN	G-TAIWAN	MR063087	R1	CY7C64713-100AXC	150C	-65C	300	50	0
AZ100RCGN	G-TAIWAN	MR063087	R1	CY7C64713-100AXC	150C	-65C	500	50	0
AZ100RCGN	G-TAIWAN	MR063087	R1	CY7C64713-100AXC	150C	-65C	1000	50	0
AZ100RRAL	R-CML	NR064002	R4	7C1471AC-RAZC	150C	-65C	300	14	0
AZ100RRAL	R-CML	NR064002	R4	7C1471AC-RAZC	150C	-65C	500	14	0
AZ100RRALL	R-CML	62603	R1	CY7C1470V33	150C	-65C	300	50	0
AZ100RRALL	R-CML	62603	R1	CY7C1470V33	150C	-65C	500	49	0
AZ100RRALL	R-CML	62603	R1	CY7C1470V33	150C	-65C	1000	47	0
AZ100RRALL	R-CML	62603	R2	CY7C1470V33	150C	-65C	300	50	0
AZ100RRALL	R-CML	62603	R2	CY7C1470V33	150C	-65C	500	49	0
AZ100RRALL	R-CML	62603	R2	CY7C1470V33	150C	-65C	1000	45	0
AZ100RRALL	R-CML	62603	R3	CY7C1470V33	150C	-65C	300	49	0
AZ100RRALL	R-CML	62603	R3	CY7C1470V33	150C	-65C	500	49	0
AZ100RRALL	R-CML	62603	R3	CY7C1470V33	150C	-65C	1000	48	0
AZ100RUAGN	R-CML	65105	R1	CY7C68013A-100AXC	150C	-65C	300	50	0
AZ100RUAGN	R-CML	65105	R1	CY7C68013A-100AXC	150C	-65C	500	50	0
AZ100RUALN	R-CML	71201	R2A1	CY7C1345G-100AXC	150C	-65C	300	49	0
AZ100RUALN	R-CML	71201	R2A1	CY7C1345G-100AXC	150C	-65C	500	49	0
AZ100RUALN	R-CML	71201	R2A1	CY7C1345G-100AXC	150C	-65C	1000	49	0

AZ100RUALN	R-CML	MR064076	R1	CY7C1345G-100AXC	150C	-65C	300	49	0
AZ100RUALN	R-CML	MR064076	R1	CY7C1345G-100AXC	150C	-65C	500	49	0
AZ100RUALN	R-CML	MR064076	R1	CY7C1345G-100AXC	150C	-65C	1000	49	0
AZ100RULN	R-CML	63302	R1A	CY7C1325G-100AXI	150C	-65C	300	50	0
AZ100RULN	R-CML	63302	R1A	CY7C1325G-100AXI	150C	-65C	500	49	0
AZ100RULN	R-CML	63302	R1A	CY7C1325G-100AXI	150C	-65C	1000	48	0
AZ100RULN	R-CML	63302	R1B	CY7C1325G-100AXI	150C	-65C	300	49	0
AZ100RULN	R-CML	63302	R1B	CY7C1325G-100AXI	150C	-65C	500	49	0
AZ100RULN	R-CML	63302	R1B	CY7C1325G-100AXI	150C	-65C	1000	48	0
AZ100RULN	R-CML	63302	R2A	CY7C1325G-100AXI	150C	-65C	300	50	0
AZ100RULN	R-CML	63302	R2A	CY7C1325G-100AXI	150C	-65C	500	50	0
AZ100RULN	R-CML	63302	R2A	CY7C1325G-100AXI	150C	-65C	1000	50	0
AZ100RULN	R-CML	63302	R2B	CY7C1325G-100AXI	150C	-65C	300	50	0
AZ100RULN	R-CML	63302	R2B	CY7C1325G-100AXI	150C	-65C	500	49	0
AZ100RULN	R-CML	63302	R2B	CY7C1325G-100AXI	150C	-65C	1000	49	0
AZ100RULN	R-CML	63302	R3A	CY7C1325G-100AXI	150C	-65C	300	50	0
AZ100RULN	R-CML	63302	R3A	CY7C1325G-100AXI	150C	-65C	500	49	0
AZ100RULN	R-CML	63302	R3A	CY7C1325G-100AXI	150C	-65C	1000	49	0
AZ100RULN	R-CML	63302	R3B	CY7C1325G-100AXI	150C	-65C	300	50	0
AZ100RULN	R-CML	63302	R3B	CY7C1325G-100AXI	150C	-65C	500	49	0
AZ100RULN	R-CML	63302	R3B	CY7C1325G-100AXI	150C	-65C	1000	49	0
AZ100RULN	R-CML	MR064010	R1	CY7C1325G-133AXC	150C	-65C	300	50	0
AZ100RULN	R-CML	MR064010	R1	CY7C1325G-133AXC	150C	-65C	500	49	0
AZ100RULN	R-CML	MR064010	R1	CY7C1325G-133AXC	150C	-65C	1000	49	0
AZ100RXLL	R-CML	71201	R1A	CY7C1354CV25-166AXC	150C	-65C	500	80	0
AZ100RXLL	R-CML	71201	R1A	CY7C1354CV25-166AXC	150C	-65C	1000	80	0
AZ100RXLL	R-CML	MR071051	R1	CY7C1354CV25-166AXC	150C	-65C	500	80	0
AZ100RXLL	R-CML	MR071051	R1	CY7C1354CV25-166AXC	150C	-65C	1000	80	0
AZ100RXLL	R-CML	MR072033	R1	CY7C1360C-166AXI	150C	-65C	500	80	0
AZ100SFAL	R-CML	MR063008	R1	CY7C025-25AXC	150C	-65C	300	50	0
AZ100SFAL	R-CML	MR063008	R1	CY7C025-25AXC	150C	-65C	500	50	0
AZ100SFAL	R-CML	MR063008	R1	CY7C025-25AXC	150C	-65C	1000	50	0
AZ128SALL	R-CML	NR061005	R3	CY7C68013A-128AXI	150C	-65C	500	48	0
AZ128SALL	R-CML	NR061005	R3	CY7C68013A-128AXI	150C	-65C	1000	48	0
AZ160SDAAR	Q-KOREA	64701	R1	CY37192P160-83AXC	150C	-65C	300	50	0
AZ160SDAAR	Q-KOREA	64701	R1	CY37192P160-83AXC	150C	-65C	500	50	0
AZ160SDAAR	Q-KOREA	64701	R1	CY37192P160-83AXC	150C	-65C	1000	50	0
AZ160SDAAR	Q-KOREA	64701	R2	CY37192P160-83AXC	150C	-65C	300	50	0
AZ160SDAAR	Q-KOREA	64701	R2	CY37192P160-83AXC	150C	-65C	500	50	0
AZ160SDAAR	Q-KOREA	64701	R2	CY37192P160-83AXC	150C	-65C	1000	50	0
AZ160SDAAR	Q-KOREA	64701	R3	CY37192P160-83AXC	150C	-65C	300	50	0
AZ160SDAAR	Q-KOREA	64701	R3	CY37192P160-83AXC	150C	-65C	500	50	0
AZ160SDAAR	Q-KOREA	64701	R3	CY37192P160-83AXC	150C	-65C	1000	50	0
AZ32BXGAN	Q-KOREA	MR063080	R1	CY7C4241V-15AXC	150C	-65C	300	46	0
AZ32BXGAN	Q-KOREA	MR063080	R1	CY7C4241V-15AXC	150C	-65C	500	46	0
AZ32BXGAN	Q-KOREA	MR063080	R1	CY7C4241V-15AXC	150C	-65C	1000	46	0
AZ44SEGLL	R-CML	MR064061	R1	CY7C1011CV33-12AXI	150C	-65C	300	50	0
AZ44SEGLL	R-CML	MR064061	R1	CY7C1011CV33-12AXI	150C	-65C	500	50	0
AZ44SEGLL	R-CML	MR064061	R1	CY7C1011CV33-12AXI	150C	-65C	1000	49	0
AZ52ASGAL	Q-KOREA	MR062062	R1	CY7B9945V-AXC	150C	-65C	1000	48	0
AZ52ASGAL	Q-KOREA	MR064075	R1	CY7B9945V-2AXI	150C	-65C	300	46	0
AZ52ASGAL	Q-KOREA	MR064075	R1	CY7B9945V-2AXI	150C	-65C	500	45	0
AZ52ASGAL	Q-KOREA	MR064075	R1	CY7B9945V-2AXI	150C	-65C	1000	44	0
AZ52ASGAL	Q-KOREA	MR071005	R1	CY7B9945V-2AXI	150C	-65C	500	74	0
AZ52ASGAL	Q-KOREA	MR071005	R1	CY7B9945V-2AXI	150C	-65C	1000	74	0
AZ64EXGAL	G-TAIWAN	MR062102	R1	CY7C4225-15AXC	150C	-65C	300	45	0
AZ64EXGAL	G-TAIWAN	MR062102	R1	CY7C4225-15AXC	150C	-65C	500	45	0
AZ64EXGAL	G-TAIWAN	MR062102	R1	CY7C4225-15AXC	150C	-65C	1000	45	0
AZ64HXGAL	R-CML	MR062101	R1	CY7C4245-15AXC	150C	-65C	300	50	0
AZ64HXGAL	R-CML	MR062101	R1	CY7C4245-15AXC	150C	-65C	500	50	0
AZ64HXGAL	R-CML	MR062101	R1	CY7C4245-15AXC	150C	-65C	1000	50	0

AZ64HXGAL	R-CML	MR072016	R1	CY7C4225-15AXC	150C	-65C	500	80	0
Summary for Package Family : TQFP (Pb-free) (83 records)									
Sum									
								4,212	0
TQFP (Thermal, Pb-free)									
AG120ABAGR	Q-KOREA	63203	R1	CYS25G0101DX-ATXC	150C	-65C	300	45	0
AG120ABAGR	Q-KOREA	63203	R1	CYS25G0101DX-ATXC	150C	-65C	1000	45	0
AG120ABAGR	Q-KOREA	63203	R2	CYS25G0101DX-ATXC	150C	-65C	300	45	0
AG120ABAGR	Q-KOREA	63203	R2	CYS25G0101DX-ATXC	150C	-65C	1000	45	0
AG120ABAGR	Q-KOREA	63203	R3	CYS25G0101DX-ATXC	150C	-65C	300	45	0
AG120ABAGR	Q-KOREA	63203	R3	CYS25G0101DX-ATXC	150C	-65C	500	45	0
AG120ABAGR	Q-KOREA	63203	R3	CYS25G0101DX-ATXC	150C	-65C	1000	44	0
Summary for Package Family : TQFP (Thermal, Pb-Free) (7 records)									
Sum									
								314	0
TSOP (Pb-free)									
ZT28R2AGN	R-CML	MR062041	R1	CY7C199-15ZXC	150C	-65C	1000	50	0
ZT28R2AGN	R-CML	MR063030	R1	CY62256LL-70ZXI	150C	-65C	300	50	0
ZT28R2AGN	R-CML	MR063030	R1	CY62256LL-70ZXI	150C	-65C	500	50	0
ZT28R2AGN	R-CML	MR063030	R1	CY62256LL-70ZXI	150C	-65C	1000	50	0
ZT32RABAL	T-TAIWAN	MR062053	R1	CY62128DV30LL-70ZXI	150C	-65C	1000	49	0
ZT32RABALL	T-TAIWAN	MR063043	R1	CY7C109B-15ZXCT	150C	-65C	300	50	0
ZT32RABALL	T-TAIWAN	MR063043	R1	CY7C109B-15ZXCT	150C	-65C	500	50	0
ZT32RABALL	T-TAIWAN	MR063043	R1	CY7C109B-15ZXCT	150C	-65C	1000	50	0
ZT32RABALL	T-TAIWAN	MR071049	R1	CY62128ELL-45ZXI	150C	-65C	500	80	0
ZT32RABALL	T-TAIWAN	MR071049	R1	CY62128ELL-45ZXI	150C	-65C	1000	80	0
ZT32RACALL	RA-CML	63907	R1	CY7C109BN-15ZXC	150C	-65C	300	50	0
ZT32RACALL	RA-CML	63907	R1	CY7C109BN-15ZXC	150C	-65C	500	50	0
ZT32RACALL	RA-CML	63907	R1	CY7C109BN-15ZXC	150C	-65C	1000	50	0
ZT32RACALL	RA-CML	63907	R2	CY7C109BN-15ZXC	150C	-65C	300	48	0
ZT32RACALL	RA-CML	63907	R2	CY7C109BN-15ZXC	150C	-65C	500	48	0
ZT32RACALL	RA-CML	63907	R2	CY7C109BN-15ZXC	150C	-65C	1000	47	0
ZT32RACALL	RA-CML	63907	R3	CY7C109BN-15ZXC	150C	-65C	300	45	0
ZT32RACALL	RA-CML	63907	R3	CY7C109BN-15ZXC	150C	-65C	500	45	0
ZT32RACALL	RA-CML	63907	R3	CY7C109BN-15ZXC	150C	-65C	1000	40	0
ZT32RZALL	T-TAIWAN	MR064078	R1	CY7C109D-10ZXI	150C	-65C	300	50	0
ZT32RZALL	T-TAIWAN	MR064078	R1	CY7C109D-10ZXI	150C	-65C	500	50	0
ZT32RZALL	T-TAIWAN	MR064078	R1	CY7C109D-10ZXI	150C	-65C	1000	50	0
ZT48ACALL	G-TAIWAN	NR052007	R3	CY62167DV30LL-70ZXI	150C	-65C	300	50	0
ZT48ACALL	G-TAIWAN	NR052007	R3	CY62167DV30LL-70ZXI	150C	-65C	500	50	0
ZT48ACALL	G-TAIWAN	NR052007	R3	CY62167DV30LL-70ZXI	150C	-65C	1000	50	0
ZT48AJAALL	T-TAIWAN	71906	R1	CY62167DV30LL	150C	-65C	500	77	0
ZT48AJAALL	T-TAIWAN	71906	R2	CY62167DV30LL	150C	-65C	500	77	0
ZT48AJAALL	T-TAIWAN	71906	R3	CY62167DV30LL	150C	-65C	500	77	0
Summary for Package Family : TSOP (Pb-free) (28 records)									
Sum									
								1,513	0
TSOP I									
Summary for Package Family : TSOP I (0 record)									
Sum									
								0	0
TSOP I (Pb-free)									
ZB32RHALL	R-CML	64507	R1	CY62128BLL-55ZAXIT	150C	-65C	300	50	0
ZB32RHALL	R-CML	64507	R1	CY62128BLL-55ZAXIT	150C	-65C	500	49	0
ZB32RHALL	R-CML	64507	R1	CY62128BLL-55ZAXIT	150C	-65C	1000	49	0
ZB32RHALL	R-CML	64507	R2	CY62128BLL-55ZAXIT	150C	-65C	300	50	0
ZB32RHALL	R-CML	64507	R2	CY62128BLL-55ZAXIT	150C	-65C	500	50	0
ZB32RHALL	R-CML	64507	R2	CY62128BLL-55ZAXIT	150C	-65C	1000	50	0
ZB32RHALL	R-CML	64507	R3	CY62128BLL-55ZAXIT	150C	-65C	300	50	0
ZB32RHALL	R-CML	64507	R3	CY62128BLL-55ZAXIT	150C	-65C	500	50	0
ZB32RHALL	R-CML	64507	R3	CY62128BLL-55ZAXIT	150C	-65C	1000	50	0
ZB32RHALL	R-CML	MR063048	R1	CY62128DV30LL-55AXI	150C	-65C	300	50	0
ZB32RHALL	R-CML	MR063048	R1	CY62128DV30LL-55AXI	150C	-65C	500	50	0
ZB32RHALL	R-CML	MR063048	R1	CY62128DV30LL-55AXI	150C	-65C	1000	50	0
ZB32RHALL	R-CML	MR064028	R1	CY62128EV30LL-45ZAXI	150C	-65C	300	50	0

ZB32RHALN	R-CML	MR064028	R1	CY62128EV30LL-45ZAXI	150C	-65C	500	50	0
ZB32RHALN	R-CML	MR064028	R1	CY62128EV30LL-45ZAXI	150C	-65C	1000	50	0
ZB32RHALN	R-CML	MR071021	R1	CY62128EV30LL-45ZAXI	150C	-65C	500	80	0
ZB32RHALN	R-CML	MR071021	R1	CY62128EV30LL-45ZAXI	150C	-65C	1000	80	0
ZB32RKALL	T-TAIWAN	MR064071	R1	CY62128ELL-45ZAXI	150C	-65C	300	50	0
ZB32RKALL	T-TAIWAN	MR064071	R1	CY62128ELL-45ZAXI	150C	-65C	500	50	0
ZB32RKALL	T-TAIWAN	MR064071	R1	CY62128ELL-45ZAXI	150C	-65C	1000	50	0

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

Sum **1,058** **0**

TSOP II

ZS324FAGE	T-TAIWAN	MR062049	R1	CY7C1019CV33-12ZC	150C	-65C	1000	50	0
ZS324FAGE	T-TAIWAN	NR062001	R2	CY7C1019CV33-12ZCT	150C	-65C	300	45	0
ZS324FAGE	T-TAIWAN	NR062001	R2	CY7C1019CV33-12ZCT	150C	-65C	500	45	0
ZS324FAGE	T-TAIWAN	NR062001	R2	CY7C1019CV33-12ZCT	150C	-65C	1000	45	0
ZS324FAGE	T-TAIWAN	NR062001	R3	CY7C1019CV33-12ZCT	150C	-65C	300	45	0
ZS324FAGE	T-TAIWAN	NR062001	R3	CY7C1019CV33-12ZCT	150C	-65C	500	45	0
ZS324FAGE	T-TAIWAN	NR062001	R3	CY7C1019CV33-12ZCT	150C	-65C	1000	45	0
ZS444AJALN	R-CML	71201	R1B	CY7C1021CV33-10ZI	150C	-65C	500	80	0
ZS444AJALN	R-CML	71201	R1B	CY7C1021CV33-10ZI	150C	-65C	1000	80	0
ZS444AJALN	R-CML	MR064029	R1	CY7C1021CV33-15ZC	150C	-65C	300	50	0
ZS444AJALN	R-CML	MR064029	R1	CY7C1021CV33-15ZC	150C	-65C	500	50	0
ZS444AJALN	R-CML	MR064029	R1	CY7C1021CV33-15ZC	150C	-65C	1000	50	0
ZS444AJALN	R-CML	MR071022	R1	CY7C1021CV33-10ZI	150C	-65C	500	80	0
ZS444AJALN	R-CML	MR071022	R1	CY7C1021CV33-10ZI	150C	-65C	1000	80	0
ZS444AKALN	R-CML	MR064022	R1	CY7C1041CV33-20ZC	150C	-65C	300	50	0
ZS444AKALN	R-CML	MR064022	R1	CY7C1041CV33-20ZC	150C	-65C	500	50	0
ZS444AKALN	R-CML	MR064022	R1	CY7C1041CV33-20ZC	150C	-65C	1000	50	0
ZS544AALE	G-TAIWAN	MR062040	R1	CY7C1061AV33-10ZI	150C	-65C	1000	50	0
ZS544AALE	G-TAIWAN	MR063015	R1	CY7C1061AV33-12ZI	150C	-65C	300	50	0
ZS544AALE	G-TAIWAN	MR063015	R1	CY7C1061AV33-12ZI	150C	-65C	500	50	0
ZS544AALE	G-TAIWAN	MR063015	R1	CY7C1061AV33-12ZI	150C	-65C	1000	50	0
ZS544AALE	G-TAIWAN	MR064044	R1	CY7C1069AV33-10ZC	150C	-65C	300	45	0
ZS544AALE	G-TAIWAN	MR064044	R1	CY7C1069AV33-10ZC	150C	-65C	500	45	0
ZS544AALE	G-TAIWAN	MR064044	R1	CY7C1069AV33-10ZC	150C	-65C	1000	45	0

Summary for Package Family : TSOP II (23 records)

Sum **1,275** **0**

TSOP II (Pb-free)

ZW324CBLL	T-TAIWAN	MR064047	R1	CY62148ELL-45ZSXI	150C	-65C	300	49	0
ZW324CBLL	T-TAIWAN	MR064047	R1	CY62148ELL-45ZSXI	150C	-65C	500	48	0
ZW324CBLL	T-TAIWAN	MR064047	R1	CY62148ELL-45ZSXI	150C	-65C	1000	48	0
ZW324FBGL	T-TAIWAN	MR061041	R1	CY7C1019CV33-10ZXC	150C	-65C	500	48	0
ZW324FBGL	T-TAIWAN	MR061041	R1	CY7C1019CV33-10ZXC	150C	-65C	1000	48	0
ZW324FBGL	T-TAIWAN	MR062023	R1	CY7C1019CV33-15ZXI	150C	-65C	1000	50	0
ZW324FBGL	T-TAIWAN	MR071047	R1	CY7C1019CV33-15ZXC	150C	-65C	500	80	0
ZW324FBGL	T-TAIWAN	MR071047	R1	CY7C1019CV33-15ZXC	150C	-65C	1000	80	0
ZW444AHGLL	R-CML	62001	R2	CY7C1021D	150C	-65C	500	50	0
ZW444AHGLL	R-CML	62001	R2	CY7C1021D	150C	-65C	1000	49	0
ZW444AHGLL	R-CML	62001	R3	CY7C1021D	150C	-65C	500	49	0
ZW444AHGLL	R-CML	62001	R3	CY7C1021D	150C	-65C	1000	49	0
ZW444AJGN	R-CML	MR063014	R1	CY7C1021CV33-10ZXC	150C	-65C	300	50	0
ZW444AJGN	R-CML	MR063014	R1	CY7C1021CV33-10ZXC	150C	-65C	500	50	0
ZW444AJGN	R-CML	MR063014	R1	CY7C1021CV33-10ZXC	150C	-65C	1000	50	0
ZW444AJLN	R-CML	MR064059	R1	CY7C1020CV26-15ZSXE	150C	-65C	300	80	0
ZW444AJLN	R-CML	MR064059	R1	CY7C1020CV26-15ZSXE	150C	-65C	500	80	0
ZW444AJLN	R-CML	MR064059	R1	CY7C1020CV26-15ZSXE	150C	-65C	1000	80	0
ZW444AJLN	R-CML	MR071048	R1	CY7C1020CV33-15ZSXE	150C	-65C	500	80	0
ZW444AJLN	R-CML	MR071048	R1	CY7C1020CV33-15ZSXE	150C	-65C	1000	79	0
ZW444ALLR	G-TAIWAN	64102	R1	CY7C1051DV33-10ZSXES	150C	-65C	500	50	0
ZW444ALLR	G-TAIWAN	64102	R1	CY7C1051DV33-10ZSXES	150C	-65C	1000	50	0
ZW444ALLR	G-TAIWAN	64102	R2	CY7C1051DV33-10ZSXES	150C	-65C	300	50	0
ZW444ALLR	G-TAIWAN	64102	R2	CY7C1051DV33-10ZSXES	150C	-65C	500	50	0

ZW444ALLR	G-TAIWAN	64102	R2	CY7C1051DV33-10ZSXES	150C	-65C	1000	50	0
ZW444ALLR	G-TAIWAN	64102	R3	CY7C1051DV33-10ZSXES	150C	-65C	300	49	0
ZW444ALLR	G-TAIWAN	64102	R3	CY7C1051DV33-10ZSXES	150C	-65C	500	49	0
ZW444ALLR	G-TAIWAN	64102	R3	CY7C1051DV33-10ZSXES	150C	-65C	1000	49	0
ZW444AMLN	R-CML	54911	R1	CY62157ELL	150C	-65C	500	55	0
ZW444AMLN	R-CML	54911	R1	CY62157ELL	150C	-65C	1000	50	0
ZW444NAGN	R-CML	MR062029	R1	CY62126DV30L-55ZSXE	150C	-65C	1000	50	0
ZW444YAGL	R-CML	63202	R1	CY7C1041D-ZSXI	150C	-65C	300	50	0
ZW444YAGL	R-CML	63202	R1	CY7C1041D-ZSXI	150C	-65C	500	50	0
ZW444YAGL	R-CML	63202	R1	CY7C1041D-ZSXI	150C	-65C	1000	50	0
ZW444YAGL	R-CML	63202	R2	CY7C1041D-ZSXI	150C	-65C	300	50	0
ZW444YAGL	R-CML	63202	R2	CY7C1041D-ZSXI	150C	-65C	500	48	0
ZW444YAGL	R-CML	63202	R2	CY7C1041D-ZSXI	150C	-65C	1000	48	0
ZW444YAGL	R-CML	63202	R3	CY7C1041D-ZSXI	150C	-65C	300	50	0
ZW444YAGL	R-CML	63202	R3	CY7C1041D-ZSXI	150C	-65C	500	50	0
ZW444YAGL	R-CML	63202	R3	CY7C1041D-ZSXI	150C	-65C	1000	50	0
ZW544AAL	G-TAIWAN	MR071071	R1	CY7C1061AV33-10ZXC	150C	-65C	500	80	0
ZW544AAL	G-TAIWAN	MR071071	R1	CY7C1061AV33-10ZXC	150C	-65C	1000	80	0
ZW544AALL	G-TAIWAN	MR063085	R1	CY7C1069BV33-12ZXC	150C	-65C	300	50	0
ZW544AALL	G-TAIWAN	MR063085	R1	CY7C1069BV33-12ZXC	150C	-65C	500	50	0
ZW544AALL	G-TAIWAN	MR063085	R1	CY7C1069BV33-12ZXC	150C	-65C	1000	50	0
ZW544AALL	G-TAIWAN	MR064024	R1	CY7C1061AV33-12ZXC	150C	-65C	300	50	0
ZW544AALL	G-TAIWAN	MR064024	R1	CY7C1061AV33-12ZXC	150C	-65C	500	50	0
ZW544AALL	G-TAIWAN	MR064024	R1	CY7C1061AV33-12ZXC	150C	-65C	1000	50	0
ZW544AALL	G-TAIWAN	MR071063	R1	CY7C1061AV33-12ZXC	150C	-65C	500	75	0
ZW544AALL	G-TAIWAN	MR071063	R1	CY7C1061AV33-12ZXC	150C	-65C	1000	75	0
ZW54BGALL	G-TAIWAN	63709	R1A	CY7C1061DV33-10ZXI	150C	-65C	300	45	0
ZW54BGALL	G-TAIWAN	63709	R2	CY7C1061DV33-10ZXI	150C	-65C	300	45	0

Summary for Package Family : TSOP II (Pb-free) (52 records)

Sum 2,895 0

RTSOP

Summary for Package Family : RTSOP (0 record)

Sum 0 0

RTSOP (Pb-free)

ZY32RYBLL	T-TAIWAN	63211	R5	CY62128ELL-ZXI	150C	-65C	300	45	0
ZY32RYBLL	T-TAIWAN	63211	R6	CY62128ELL-ZXI	150C	-65C	300	45	0

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

Sum 90 0

TSSOP

Z1613GAGB	T-TAIWAN	MR063013	R1	CY2308ZC-1H	150C	-65C	300	50	0
Z1613GAGB	T-TAIWAN	MR063013	R1	CY2308ZC-1H	150C	-65C	500	50	0
Z1613GAGB	T-TAIWAN	MR063013	R1	CY2308ZC-1H	150C	-65C	1000	50	0
Z1613GAGB	R-CML	MR064031	R1	CY2308ZI-1H	150C	-65C	300	45	0
Z1613GAGB	R-CML	MR064031	R1	CY2308ZI-1H	150C	-65C	500	45	0
Z1613GAGB	R-CML	MR064031	R1	CY2308ZI-1H	150C	-65C	1000	47	0
Z1613GAGB	T-TAIWAN	MR064032	R1	CY2308ZI-1H	150C	-65C	300	48	0
Z1613GAGB	T-TAIWAN	MR064032	R1	CY2308ZI-1H	150C	-65C	500	48	0
Z1613GAGB	T-TAIWAN	MR064032	R1	CY2308ZI-1H	150C	-65C	1000	47	0
Z1613GAGB	T-TAIWAN	MR071009	R1	CY2308ZI-1H	150C	-65C	500	80	0
Z1613GAGB	T-TAIWAN	MR071009	R1	CY2308ZI-1H	150C	-65C	1000	80	0
Z1619GAGN	RA-CML	MR064014	R1	CY2309ZC-1HT	150C	-65C	300	49	0
Z1619GAGN	RA-CML	MR064014	R1	CY2309ZC-1HT	150C	-65C	500	48	0
Z1619GAGN	RA-CML	MR064014	R1	CY2309ZC-1HT	150C	-65C	1000	48	0
Z32REGBLE	T-TAIWAN	NR062001	R1	CY62128DV30LL-70ZI	150C	-65C	1000	49	0
Z5624BAGN	R-CML	62602	R1	W320-03X	150C	-65C	300	50	0
Z5624BAGN	R-CML	62602	R1	W320-03X	150C	-65C	500	50	0
Z5624BAGN	R-CML	62602	R1	W320-03X	150C	-65C	1000	50	0
Z5624BAGN	R-CML	62602	R2	W320-03X	150C	-65C	300	50	0
Z5624BAGN	R-CML	62602	R2	W320-03X	150C	-65C	500	50	0
Z5624BAGN	R-CML	62602	R2	W320-03X	150C	-65C	1000	50	0
Z5624BAGN	R-CML	62602	R3	W320-03X	150C	-65C	300	49	0

Z5624BAGN	R-CML	62602	R3	W320-03X	150C	-65C	500	49	0
Z5624BAGN	R-CML	62602	R3	W320-03X	150C	-65C	1000	49	0
Z5624BAGN	R-CML	71201	R2C	CY28419ZC	150C	-65C	300	48	0
Z5624BAGN	R-CML	71201	R2C	CY28419ZC	150C	-65C	500	48	0
Z5624BAGN	R-CML	MR063104	R1	CY28409ZC	150C	-65C	300	49	0
Z5624BAGN	R-CML	MR063104	R1	CY28409ZC	150C	-65C	500	47	0
Z5624BAGN	R-CML	MR063104	R1	CY28409ZC	150C	-65C	1000	46	0
Z5624BAGN	R-CML	MR064072	R1	CY28419ZC	150C	-65C	300	48	0
Z5624BAGN	R-CML	MR064072	R1	CY28419ZC	150C	-65C	500	48	0
Z5624BAGN	R-CML	MR064072	R1	CY28419ZC	150C	-65C	1000	47	0

Summary for Package Family : TSSOP (33 records)

Sum **1,612** **0**

TSSOP (Pb-free)

ZZ1614HAN	T-TAIWAN	MR071054	R1	CY26049ZXI-36	150C	-65C	500	77	0
ZZ1614HAN	T-TAIWAN	MR071054	R1	CY26049ZXI-36	150C	-65C	1000	71	0
ZZ1619GAN	RA-CML	MR063027	R1	CY2309ZXC-1HT	150C	-65C	300	50	0
ZZ1619GAN	RA-CML	MR063027	R1	CY2309ZXC-1HT	150C	-65C	500	50	0
ZZ1619GAN	RA-CML	MR063027	R1	CY2309ZXC-1HT	150C	-65C	1000	50	0
ZZ1619GAN	RA-CML	MR064004	R1	CY2309ZXC-1H	150C	-65C	300	50	0
ZZ1619GAN	RA-CML	MR064004	R1	CY2309ZXC-1H	150C	-65C	500	50	0
ZZ1619GAN	RA-CML	MR064004	R1	CY2309ZXC-1H	150C	-65C	1000	50	0
ZZ2415GAL	RA-CML	60909	R4	CY22315ZXCT	150C	-65C	300	45	0
ZZ2415GAL	RA-CML	60909	R4	CY22315ZXCT	150C	-65C	1000	44	0
ZZ2813AAGL	T-TAIWAN	MR063037	R1	CY28517ZXC	150C	-65C	300	50	0
ZZ2813AAGL	T-TAIWAN	MR063037	R1	CY28517ZXC	150C	-65C	500	50	0
ZZ2813AAGL	T-TAIWAN	MR063037	R1	CY28517ZXC	150C	-65C	1000	50	0
ZZ2817AGL	RA-CML	MR071043	R1	CY28517ZXCT	150C	-65C	500	80	0
ZZ2817AGL	RA-CML	MR071043	R1	CY28517ZXCT	150C	-65C	1000	80	0
ZZ2817AGL	RA-CML	NR072006	R1	CY28517ZXC	150C	-65C	500	80	0
ZZ2846AAGL	T-TAIWAN	MR064007	R1	CY28517ZXCT	150C	-65C	300	50	0
ZZ2846AAGL	T-TAIWAN	MR064007	R1	CY28517ZXCT	150C	-65C	500	50	0
ZZ2846AAGL	T-TAIWAN	MR064007	R1	CY28517ZXCT	150C	-65C	1000	50	0
ZZ5624BGN	R-CML	MR063053	R1	CY505YC56DT	150C	-65C	300	50	0
ZZ5624BGN	R-CML	MR063053	R1	CY505YC56DT	150C	-65C	500	50	0
ZZ5624BGN	R-CML	MR063053	R1	CY505YC56DT	150C	-65C	1000	50	0
ZZ5624BGN	R-CML	MR064008	R1	CY505YC56DT	150C	-65C	300	50	0
ZZ5624BGN	R-CML	MR064008	R1	CY505YC56DT	150C	-65C	500	50	0
ZZ5624BGN	R-CML	MR064008	R1	CY505YC56DT	150C	-65C	1000	49	0
ZZ5624BGN	R-CML	MR071002	R1	CY505YC56DT	150C	-65C	500	80	0
ZZ5624BGN	R-CML	MR071002	R1	CY505YC56DT	150C	-65C	1000	80	0
ZZ5624BGN	R-CML	MR072010	R1	CY505YC56DT	150C	-65C	500	78	0
ZZ5624BGN	R-CML	MR072010	R1	CY505YC56DT	150C	-65C	1000	78	0
ZZ6421GAGL	M-PHIL	MR063031	R1	CY5C5YC64DT	150C	-65C	300	50	0
ZZ6421GAGL	M-PHIL	MR063031	R1	CY5C5YC64DT	150C	-65C	500	50	0
ZZ6421GAGL	M-PHIL	MR063031	R1	CY5C5YC64DT	150C	-65C	1000	50	0
ZZ6421GAGL	M-PHIL	MR064016	R1	CY28548ZXC	150C	-65C	300	46	0
ZZ6421GAGL	M-PHIL	MR064016	R1	CY28548ZXC	150C	-65C	500	46	0
ZZ6421GAGL	M-PHIL	MR064016	R1	CY28548ZXC	150C	-65C	1000	46	0
ZZ6421GAGL	M-PHIL	NR064005	R1	7C885052DC-MZZC	150C	-65C	300	49	0
ZZ6421GAGL	M-PHIL	NR064005	R1	7C885052DC-MZZC	150C	-65C	500	49	0
ZZ6421GAGL	M-PHIL	NR064005	R1	7C885052DC-MZZC	150C	-65C	1000	48	0
ZZ6421GAGL	M-PHIL	NR064005	R2	7C885052DC-MZZC	150C	-65C	300	50	0
ZZ6421GAGL	M-PHIL	NR064005	R2	7C885052DC-MZZC	150C	-65C	500	50	0
ZZ6421GAGL	M-PHIL	NR064005	R2	7C885052DC-MZZC	150C	-65C	1000	49	0
ZZ6421GAGL	M-PHIL	NR064005	R3	7C885052DC-MZZC	150C	-65C	300	50	0
ZZ6421GAGL	M-PHIL	NR064005	R3	7C885052DC-MZZC	150C	-65C	500	50	0
ZZ6421GAGL	M-PHIL	NR064005	R3	7C885052DC-MZZC	150C	-65C	1000	50	0
ZZ642VFRHS	T-TAIWAN	64101	R1	CY505YC64DT	150C	-65C	300	41	0
ZZ642VFRHS	T-TAIWAN	64101	R1	CY505YC64DT	150C	-65C	500	40	0
ZZ642VFRHS	T-TAIWAN	64101	R1	CY505YC64DT	150C	-65C	1000	40	0
ZZ642VFRHS	T-TAIWAN	64101	R2	CY505YC64DT	150C	-65C	300	42	0



ZZ642VFRHS	T-TAIWAN	64101	R2	CY505YC64DT	150C	-65C	500	42	0
ZZ642VFRHS	T-TAIWAN	64101	R2	CY505YC64DT	150C	-65C	1000	42	0
ZZ642VFRHS	T-TAIWAN	64101	R3	CY505YC64DT	150C	-65C	300	44	0
ZZ642VFRHS	T-TAIWAN	64101	R3	CY505YC64DT	150C	-65C	500	44	0
ZZ642VFRHS	T-TAIWAN	64101	R3	CY505YC64DT	150C	-65C	1000	44	0
Summary for Package Family : TSSOP (Pb-free) (53 records)									
Sum								2,804	0

Summary Detail -- HTS Performance Over Time

From: 7/3/2006

To: 7/1/2007

Bldkit	Assy Site	EvalNum	TV	Device	Temp	Readout	SS	Rejects	FA	Results	
CLCC											
84L CLCC	X-Thailand	70308	R1	CY115SM1300AB-QDC	150	500	15	0			
84L CLCC	X-Thailand	70308	R1	CY115SM1300AB-QDC	150	1000	15	0			
Summary for Package Family : CLCC (2 records)											
Sum								30	0		
FBGA (0.75-0.8)											
BA48BQAAL	RA-CML	MR071064	R1	CY62137CVSL-70BAI	150	500	78	0			
BA48BQAAL	RA-CML	MR071064	R1	CY62137CVSL-70BAI	150	1000	78	0			
BA48BVALE	G-Taiwan	MR063020	R1	CY62137CV30LL-70BAI	150	1000	50	0			
BA48BVALE	G-Taiwan	MR063020	R1	CY62137CV30LL-70BAI	150	500	50	0			
BA48CDGALE	G-Taiwan	MR064063	R1	CY7C1041CV33-10BAC	150	1000	50	0			
BA48CDGALE	G-Taiwan	MR064063	R1	CY7C1041CV33-10BAC	150	500	50	0			
BA48CRALE	T-Taiwan	MR063029	R1	CY62137CVSL-70BAIT	150	1000	49	0			
BA48CRALE	T-Taiwan	MR063029	R1	CY62137CVSL-70BAIT	150	500	50	0			
BA48CRALE	T-Taiwan	MR064017	R1	CY62137CVSL-70BAIT	150	500	50	0			
BA48CRALE	T-Taiwan	MR064017	R1	CY62137CVSL-70BAIT	150	1000	50	0			
BA48CRALE	T-Taiwan	MR071052	R1	CY62137CVSL-70BAI	150	1000	80	0			
BA48CRALE	T-Taiwan	MR071052	R1	CY62137CVSL-70BAI	150	500	80	0			
BA48CRALE	T-Taiwan	MR071053	R1	CY62137CVSL-70BAI	150	500	75	0			
BA48CRALE	T-Taiwan	MR071053	R1	CY62137CVSL-70BAI	150	1000	71	0			
BA48DDALE	RA-CML	MR063069	R1	CYK512K16SCCAU-70BAI	150	500	45	0			
BA48DDALE	RA-CML	MR063069	R1	CYK512K16SCCAU-70BAI	150	1000	45	0			
Summary for Package Family : FBGA (0.75-0.8) (16 records)											
Sum								951	0		
FBGA (0.75-0.8, Pb-free)											
BK48BQALL	RA-CML	MR071046	R1	CY62137CVSL-70BAXI	150	500	80	0			
BK48BQALL	RA-CML	MR071046	R1	CY62137CVSL-70BAXI	150	1000	80	0			
BK48BWALL	G-Taiwan	MR063106	R1	CY7C1021CV33-10BAXI	150	500	50	0			
BK48BWALL	G-Taiwan	MR063106	R1	CY7C1021CV33-10BAXI	150	1000	50	0			
BK48BWALL	G-Taiwan	MR071045	R1	CY7C1021CV33-8BAXC	150	1000	80	0			
BK48BWALL	G-Taiwan	MR071045	R1	CY7C1021CV33-8BAXC	150	500	80	0			
BK48BWALL	G-Taiwan	MR071045	R1A	CY7C1021CV33-10BAXI	150	500	80	0			
BK48BWALL	G-Taiwan	MR071045	R1A	CY7C1021CV33-10BAXI	150	1000	80	0			
BK48BWALL	G-Taiwan	MR072032	R1	CY7C1021CV33-10BAXI	150	500	80	0			
BK48CDALL	G-Taiwan	MR064057	R1	CY7C1041CV33-10BAXI	150	500	50	0			
BK48CDALL	G-Taiwan	MR064057	R1	CY7C1041CV33-10BAXI	150	1000	50	0			
Summary for Package Family : FBGA (0.78-0.8, Pb-free) (11 records)											
Sum								760	0		
FBGA (1.0)											
BB165ALLE	G-Taiwan	MR071042	R1	CY7C1313BV18-250BZC	150	1000	79	0			
BB165ALLE	G-Taiwan	MR071042	R1	CY7C1313BV18-250BZC	150	500	79	0			
BB165WALE	RA-CML	55103	R1	CY7C1313AVIB	150	1500	45	0			
BB165WALE	RA-CML	63101	R1	CY7C1313AVIB	150	1500	45	0			
Summary for Package Family : FBGA (1.0) (4 records)											
Sum								248	0		
FBGA (1.0, Pb-free)											
BW100CAGL	G-Taiwan	MR063122	R1	CY7B994V-2BBXC	150	500	50	0			
BW100CAGL	G-Taiwan	MR063122	R1	CY7B994V-2BBXC	150	1000	50	0			
BW100EAGL	G-Taiwan	MR064012	R1	CYV15G0101DXB-BBXC	150	500	50	0			
BW100EAGL	G-Taiwan	MR064012	R1	CYV15G0101DXB-BBXC	150	1000	50	0			
Summary for Package Family :FBGA (1.0, Pb-free) (4 records)											
Sum								200	0		
VFBGA (0.75-0.8, 0.3mm)											

BV48ATALE	RA-CML	MR064069	R1	CY62157DV30LL-55BVI	150	1000	50	0
BV48ATALE	RA-CML	MR064069	R1	CY62157DV30LL-55BVI	150	500	50	0
BV48ATALE	RA-CML	MR071072	R1	CY62157DV30LL-70BVI	150	1000	80	0
BV48ATALE	RA-CML	MR071072	R1	CY62157DV30LL-70BVI	150	500	80	0
BV48BAALE	G-Taiwan	MR063019	R1	CY63157DC-GBVI	150	1000	50	0
BV48BAALE	G-Taiwan	MR063019	R1	CY63157DC-GBVI	150	500	50	0
BV48BAALE	G-Taiwan	MR064034	R1	CY62157DV30LL-70BVI	150	1000	49	0
BV48BAALE	G-Taiwan	MR064034	R1	CY62157DV30LL-70BVI	150	500	49	0
BV48BLCLE	GK-China	MR063084	R1	CYK128K16MCCBU-70BVI	150	1000	50	0
BV48BLCLE	GK-China	MR063084	R1	CYK128K16MCCBU-70BVI	150	500	50	0
BV48BNALE	G-Taiwan	63901	R1	CY62167DV30LL	150	500	50	0
BV48BNALE	G-Taiwan	63901	R1	CY62167DV30LL	150	1000	50	0
BV48BNALE	G-Taiwan	63901	R1	CY62167DV30LL	150	80	80	0
BV48BNALE	G-Taiwan	63901	R1	CY62167DV30LL	150	168	80	0
BV48RAALE	G-Taiwan	MR071058	R1	CY7C1011CV33-10BVI	150	500	80	0
BV48RAALE	G-Taiwan	MR071058	R1	CY7C1011CV33-10BVI	150	1000	78	0

Summary for Package Family : VFBGA (0.75-0.8, 0.3mm) (16 records)
Sum **976** **0**

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

BZ48ABAAGL	AT-INDONESIA	NR072005	R1	CYK256K16SCBU	150	500	76	0
BZ48ABAAGL	AT-INDONESIA	NR072005	R2	CYK256K16SCBU-70BVXI	150	500	73	0
BZ48ABAAGL	AT-INDONESIA	NR072005	R3	CYK256K16SCBU	150	500	72	0
BZ48ATALL	RA-CML	MR071040	R1	CY62157DV30LL-70BVXI	150	1000	78	0
BZ48ATALL	RA-CML	MR071040	R1	CY62157DV30LL-70BVXI	150	500	79	0
BZ48AAAALL	G-Taiwan	MR071038	R1	CY62157DV30LL-70BVXI	150	1000	75	0
BZ48AAAALL	G-Taiwan	MR071038	R1	CY62157DV30LL-70BVXI	150	500	77	0
BZ48BAGMHL	T-Taiwan	70306	R3	CYK128K16MCCBU-70BVXI	150	1000	44	0
BZ48BAGMHL	T-Taiwan	70306	R3	CYK128K16MCCBU-70BVXI	150	500	45	0
BZ48BKALE	RA-CML	MR064079	R1	CYK256K16MCCBU-70BVXI	150	1000	49	0
BZ48BKALE	RA-CML	MR064079	R1	CYK256K16MCCBU-70BVXI	150	500	50	0
BZ48BLBLL	G-Taiwan	MR063086	R1	CYK256K16MCCBU	150	500	50	0
BZ48BLBLL	G-Taiwan	MR063086	R1	CYK256K16MCCBU	150	1000	50	0
BZ48BTALN	RA-CML	MR063090	R1	CY62147EV18LL-45BVXIT	150	1000	47	0
BZ48BTALN	RA-CML	MR063090	R1	CY62147EV18LL-45BVXIT	150	500	48	0
BZ56AGAGL	G-Taiwan	MR064027	R1	CY7C68013A-56BAXC	150	500	50	0
BZ56AGAGL	G-Taiwan	MR064027	R1	CY7C68013A-56BAXC	150	1000	50	0
BZ56AGAGL	G-Taiwan	MR072018	R1	CY7C68013A-56BAXC	150	500	80	0
BZ56AVAAAL	AT-INDONESIA	63803	R1	CY7C68013A-56BAXC	150	500	45	0
BZ56AVAAAL	AT-INDONESIA	63803	R1	CY7C68013A-56BAXC	150	1000	44	0
BZ56AVAAAL	AT-INDONESIA	65103	R4	CY7C68013A-56BAXC	150	1000	44	0
BZ56AVAAAL	AT-INDONESIA	65103	R4	CY7C68013A-56BAXC	150	500	45	0
BZ56AVAAAL	AT-INDONESIA	71202	R4	CY7C68013A-56BAXC	150	500	45	0
BZ56AVAAAL	AT-INDONESIA	71207	R4	CY7C68013A-56BAXC	150	500	45	0
BZ56FAALE	G-Taiwan	MR064025	R1	CY7C68053-56BAXIES	150	1000	49	0
BZ56FAALE	G-Taiwan	MR064025	R1	CY7C68053-56BAXIES	150	500	50	0

Summary for Package Family : VFBGA (0.75-0.8, 0.3mm, Pb-free) (26 records)
Sum **1,460** **0**

PBGA (1.27)

BG119JALE	G-Taiwan	MR062063	R1	CY7C1012AV33-BBGC	150	1000	50	0
BG119NALE	G-Taiwan	MR063018	R1	CY7C1354B-166BGC	150	1000	50	0
BG119NALE	G-Taiwan	MR063018	R1	CY7C1354B-166BGC	150	500	50	0
BG119QALE	G-Taiwan	MR071066	R1	CY7C1325G-133BGC	150	1000	80	0
BG119QALE	G-Taiwan	MR071066	R1	CY7C1325G-133BGC	150	500	80	0
BG119SALE	G-Taiwan	MR064046	R1	CY7C1354CV25-166BGC	150	1000	50	0
BG119SALE	G-Taiwan	MR064046	R1	CY7C1354CV25-166BGC	150	500	50	0

Summary for Package Family : PBGA (1.27) (7 records)
Sum **410** **0**

PBGA (Cavity/Heatsink)

BL256L2GE	G-Taiwan	MR062099	R1	CS6614AM	150	1000	50	0
BL256L2GE	G-Taiwan	MR062099	R1	CS6614AM	150	500	50	0
BL256L2GE	G-Taiwan	MR063117	R1	CYP15G0401DXB-BGC	150	500	50	0

BL256L2GE	G-Taiwan	MR063117	R1	CYP15G0401DXB-BGC	150	1000	50	0
Summary for Package Family : PBGA (Cavity/Heatsink) (4 records)								
Sum								
PBGA (Pb-free)								
BY484AAGL	G-Taiwan	63706	2	7C08642AC-GBYCB	150	1000	45	0
BY484SAGL	G-Taiwan	62503	1	7C08352AC-GBYC	150	1000	45	0
BY484SAGL	G-Taiwan	62503	1	7C08352AC-GBYC	150	500	45	0
Summary for Package Family : PBGA (Pb-free) (3 records)								
Sum								
PDIP								
P2831GBGB	O-Indonesia	MR064073	R1	CY7C425-10PC	150	500	50	0
P2831GBGB	O-Indonesia	MR064073	R1	CY7C425-10PC	150	1000	50	0
P2839GAAGB	X-Thailand	MR064054	R1	CY7C185-25PC	150	500	50	0
P2839GAAGB	X-Thailand	MR064054	R1	CY7C185-25PC	150	1000	49	0
P2839GAAGB	X-Thailand	MR071039	R1	CY7C185-25PC	150	500	80	0
P2839GAAGB	X-Thailand	MR071039	R1	CY7C185-25PC	150	1000	80	0
P2839GAGB	X-Thailand	MR063118	R1	CY7C185-25PC	150	1000	50	0
P2839GAGB	X-Thailand	MR063118	R1	CY7C185-25PC	150	500	50	0
P283DGAKE	M-Phil	MR063009	R1	CY7C344B-15PC	150	1000	50	0
P283DGAKE	M-Phil	MR063009	R1	CY7C344B-15PC	150	500	50	0
Summary for Package Family : PDIP (10 records)								
Sum								
PDIP (Pb-free)								
PZ163AGGN	X-Thailand	MR062012	R1	CY7C63801-PXC	150	1000	50	0
PZ183AXGN	O-Indonesia	MR063022	R1	CY7C63813-PXC	150	1000	45	0
PZ183AXGN	O-Indonesia	MR063022	R1	CY7C63813-PXC	150	500	45	0
PZ183AXGN	O-Indonesia	MR071003	R1	CY7C63723C-PXC	150	500	77	0
PZ183BXGL	RA-CML	MR063051	R1	CY7C63723-PXC	150	1000	50	0
PZ183BXGL	RA-CML	MR063051	R1	CY7C63723-PXC	150	500	50	0
PZ183BXGL	RA-CML	NR063002	R1	7C63720-RAPZC	150	500	50	0
PZ183BXGL	RA-CML	NR063002	R1	7C63720-RAPZC	150	1000	50	0
PZ183BXGL	RA-CML	NR063002	R2	7C63720AT-RAPZC	150	1000	80	0
PZ183BXGL	RA-CML	NR063002	R2	7C63720AT-RAPZC	150	500	80	0
PZ183BXGL	RA-CML	NR063002	R3	7C63720AT-RAPZC	150	500	80	0
PZ183BXGL	RA-CML	NR063002	R3	7C63720AT-RAPZC	150	1000	80	0
PZ183DAGN	RA-CML	MR071044	R1	CY7C63723C-PXC	150	1000	80	0
PZ183DAGN	RA-CML	MR071044	R1	CY7C63723C-PXC	150	500	80	0
PZ183DAGN	RA-CML	MR072027	R1	CY7C63723C-PXC	150	500	80	0
PZ203CHAN	O-Indonesia	MR072035	R1	CY8C26233-24PXI	150	500	80	0
PZ2434XGN	O-Indonesia	MR062058	R1	CY7C63743-PXC	150	500	45	0
PZ2434XGN	O-Indonesia	MR062058	R1	CY7C63743-PXC	150	1000	45	0
PZ243DAXGS	O-Indonesia	MR064001	R1	CY7C63743C-PXC	150	1000	45	0
Summary for Package Family : PDIP (Pb-free) (19 records)								
Sum								
PGA								
PGA42	GERMANY	50708	R1	CYIHDEC9000AA	150	1000	22	0
Summary for Package Family : PGA (1 record)								
Sum								
PLCC								
J32RBGAAGB	X-Thailand	MR064023	R1	CY7B991-5JI	150	500	50	0
J32RBGAAGB	X-Thailand	MR064023	R1	CY7B991-5JI	150	1000	50	0
J32RBGAGB	X-Thailand	MR062098	R1	CY7B992-2JC	150	1000	50	0
J32RBGAGB	X-Thailand	MR062098	R1	CY7B992-2JC	150	500	50	0
J32RBGAGB	M-Phil	MR063076	R1	CY7B991-2JC	150	1000	50	0
J32RBGAGB	M-Phil	MR063076	R1	CY7B991-2JC	150	500	50	0
J32RBGAGB	X-Thailand	MR063105	R1	CY7B991-2JC	150	500	50	0
J32RBGAGB	X-Thailand	MR063105	R1	CY7B991-2JC	150	1000	50	0
J32RBGAGB	M-Phil	MR071007	R1	CY7B991-5JC	150	1000	80	0
J32RBGAGB	M-Phil	MR071007	R1	CY7B991-5JC	150	500	80	0
J32RFGAGB	M-Phil	MR062097	R1	CY7C462A-25JC	150	1000	50	0
J32RFGAGB	M-Phil	MR062097	R1	CY7C462A-25JC	150	500	50	0

Summary for Package Family : PLCC (12 records)

Sum							660	0
PLCC (Pb-free)								
JZ32RBGAN	M-Phil	MR063091	R1	CY7C4221AT-MJZC	150	500	50	0
JZ32RBGAN	M-Phil	MR063091	R1	CY7C4221AT-MJZC	150	1000	50	0
JZ32RBGAN	M-Phil	MR063127	R1	CY7B991-5JXC	150	1000	50	0
JZ32RBGAN	M-Phil	MR063127	R1	CY7B991-5JXC	150	500	50	0
JZ32RBGAN	M-Phil	MR064043	R1	CY7B991-5JXC	150	1000	50	0
JZ32RBGAN	M-Phil	MR064043	R1	CY7B991-5JXC	150	500	50	0
JZ32RBGAN	M-Phil	MR071067	R1	CY7C4231-15JXC	150	500	80	0
JZ32RBGAN	M-Phil	MR071067	R1	CY7C4231-15JXC	150	1000	80	0
JZ52SFGAN	M-Phil	MR064033	R1	CY7C136-55JXC	150	500	50	0
JZ52SFGAN	M-Phil	MR064033	R1	CY7C136-55JXC	150	1000	50	0

Summary for Package Family : PLCC (10 records)

Sum							560	0
PQFP								
N52DXGAGB	G-Taiwan	MR063007	R1	CY7C136-55NC	150	1000	50	0
N52DXGAGB	G-Taiwan	MR063007	R1	CY7C136-55NC	150	500	50	0

Summary for Package Family : PQFP (2 records)

Sum							100	0
PQFP (Pb-free)								
NZ52DXGAN	G-Taiwan	MR063111	R1	CY7C136-25NXC	150	1000	50	0
NZ52DXGAN	G-Taiwan	MR063111	R1	CY7C136-25NXC	150	500	50	0
NZ52DXGAN	G-Taiwan	MR064048	R1	CY7C136-25NXC	150	500	50	0
NZ52DXGAN	G-Taiwan	MR064048	R1	CY7C136-25NXC	150	1000	50	0
NZ52DXGAN	G-Taiwan	MR071073	R1	CY7C136-55NXCT	150	1000	78	0
NZ52DXGAN	G-Taiwan	MR071073	R1	CY7C136-55NXCT	150	500	78	0

Summary for Package Family : PQFP (Pb-free) (6 records)

Sum							356	0
QFN (COL, Pb-free)								
LG16AA	M-PHIL	63602	R1	CY8C20234-12LKXI	150	500	50	0
LG16AA	M-PHIL	63602	R1	CY8C20234-12LKXI	150	1000	50	0

Summary for Package Family : QFN (COL, Pb-free) (2 records)

Sum							100	0
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QFN (Punch Type)

Summary for Package Family : QFN (Punch Type) (0 record)

Sum							0	0
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QFN (Punch Type, Pb-free)

LY32AGAGL	L-KOREA	MR071008	R1	CY8C21434-24LFXI	150	1000	80	0
LY32AGAGL	L-KOREA	MR071008	R1	CY8C21434-24LFXI	150	500	80	0
LY32AGAGL	L-KOREA	MR072001	R1	CG6672AMT	150	1000	80	0
LY32AGAGL	L-KOREA	MR072001	R1	CG6672AMT	150	500	80	0
LY32AGAGL	L-KOREA	NR072004	R2	CP6621AM	150	500	80	0
LY32AGAGL	L-KOREA	NR072004	R3	CS6624AA	150	500	80	0
LY56AGAGL	L-KOREA	70901	R1	CY7C65630-56LFXC	150	1000	85	0
LY56AGAGL	L-KOREA	MR071035	R1	CY7C65630-56LFXC	150	1000	79	0
LY56AGAGL	L-KOREA	MR071035	R1	CY7C65630-56LFXC	150	500	79	0
LY56AGAGL	L-KOREA	MR072019	R1	CY7C62640A-LFXC	150	500	71	0
LY56DGAGL	L-KOREA	MR063036	R1	CY7C68014A-56LFXC	150	1000	50	0
LY56DGAGL	L-KOREA	MR063036	R1	CY7C68014A-56LFXC	150	500	50	0
LY56DGAGL	L-KOREA	MR064006	R1	CY8C24794-24LFXI	150	1000	50	0
LY56DGAGL	L-KOREA	MR064006	R1	CY8C24794-24LFXI	150	500	50	0
LY68AGAAGL	L-KOREA	NR064004	R1	8C24995AK-LLYI	150	1000	49	0
LY68AGAAGL	L-KOREA	NR064004	R1	8C24995AK-LLYI	150	500	49	0
LY68AGAAGL	L-KOREA	NR064004	R2	CY8C24994-24LFXIT	150	500	50	0
LY68AGAAGL	L-KOREA	NR064004	R2	CY8C24994-24LFXIT	150	1000	50	0
LY68AGAAGL	L-KOREA	NR064004	R3	8C24994AT-LLYI	150	1000	80	0
LY68AGAAGL	L-KOREA	NR064004	R3	8C24994AT-LLYI	150	500	80	0
LY72AGAGL	L-KOREA	MR063074	R1	CY28447LFXC	150	1000	50	0
LY72AGAGL	L-KOREA	MR063074	R1	CY28447LFXC	150	500	50	0
LY72AGAGL	L-KOREA	MR072006	R1	CY28447LFXC	150	1000	80	0

LY72AGAGL	L-KOREA	MR072006	R1	CY28447LFXC	150	500	80	0	
LK32AAAAGL	L-KOREA	70305	R1	CY8C21434-24LKXI	150	1000	49	0	
LK32AAAAGL	L-KOREA	70305	R1	CY8C21434-24LKXI	150	500	50	0	
LK32IGAGL	RA-CML	MR063010	R1	CY8C21434-24-LKXI	150	1000	50	0	
LK32IGAGL	RA-CML	MR063010	R1	CY8C21434-24-LKXI	150	500	50	0	
LK32IGAGL	RA-CML	MR071010	R1	CS6655AA	150	1000	76	0	
LK32IGAGL	RA-CML	MR071010	R1	CS6655AA	150	500	79	0	
LK32IGAGL	RA-CML	MR072041	R1	CS6655AAT	150	500	80	0	
LK32IGAGL	RA-CML	NR063001	R1	CY8C21434-24LKXI	150	500	46	0	
LK32IGAGL	RA-CML	NR063001	R1	CY8C21434-24LKXI	150	1000	46	0	
LK32IGAGL	RA-CML	NR063001	R2	CY8C21434-24LKXI	150	500	39	0	
LK32IGAGL	RA-CML	NR063001	R2	CY8C21434-24LKXI	150	1000	39	0	
LK32IGAGL	RA-CML	NR063001	R3	CY8C21434-24LKXI	150	1000	47	0	
LK32IGAGL	RA-CML	NR063001	R3	CY8C21434-24LKXI	150	500	50	0	
LK32IGAGL	RA-CML	NR063003	R1	CY8C21434-24LKXI	150	1000	48	0	
LK32IGAGL	RA-CML	NR063003	R1	CY8C21434-24LKXI	150	500	50	0	
LK32IGAGL	RA-CML	NR063003	R2	CY8C21434-24LKXI	150	500	50	0	
LK32IGAGL	RA-CML	NR063003	R2	CY8C21434-24LKXI	150	1000	48	0	
LK32IGAGL	RA-CML	NR063003	R3	CY8C21434-24LKXI	150	1000	50	0	
LK32IGAGL	RA-CML	NR063003	R3	CY8C21434-24LKXI	150	500	50	0	
Summary for Package Family : QFN (Punch Type, Pb-free) (43 records)									
Sum								2,609	0
QFN (Saw Type, Pb-free)									
Summary for Package Family : QFN (Saw Type, Pb-free) (0 record)									
Sum								0	0
QSOP (Pb-free)									
SQ2414AGN	R-CML	MR063049	R1	CY7C63101A-QXC	150	500	50	0	
SQ2414AGN	R-CML	MR063049	R1	CY7C63101A-QXC	150	1000	50	0	
SQ2414AGN	R-CML	MR064015	R1	CY7C63823-QXC	150	500	47	0	
SQ2414AGN	R-CML	MR064015	R1	CY7C63823-QXC	150	1000	47	0	
SQ2414AGN	R-CML	MR072005	R1	CY7C63743C-QXC	150	1000	80	0	
SQ2414AGN	R-CML	MR072005	R1	CY7C63743C-QXC	150	500	80	0	
Summary for Package Family : QSOP (Pb-free) (6 records)									
Sum								354	0
SNC									
SN2831AHN	R-CML	MR063089	R1	CY62256VNULL-70SNC	150	1000	50	0	
SN2831AHN	R-CML	MR063089	R1	CY62256VNULL-70SNC	150	500	50	0	
SN2831AHN	R-CML	MR064056	R1	CY6264-70SNI	150	500	50	0	
SN2831AHN	R-CML	MR064056	R1	CY6264-70SNI	150	1000	50	0	
Summary for Package Family : SNC (4 records)									
Sum								200	0
SNC (Pb-free)									
SY2831AHN	R-CML	MR063046	R1	CY62256LLL-55SXN	150	1000	50	0	
SY2831AHN	R-CML	MR064042	R1	CY6264-70SNXI	150	500	50	0	
SY2831AHN	R-CML	MR064042	R1	CY6264-70SNXI	150	1000	50	0	
Summary for Package Family : SNC (Pb-free) (3 records)									
Sum								150	0
SOIC									
S0815BAGB	O-Indonesia	MR063023	R1	CY241V08ASC-01	150	500	45	0	
S0815BAGB	O-Indonesia	MR063023	R1	CY241V08ASC-01	150	1000	45	0	
S0815BAGB	O-Indonesia	MR064002	R1	CY2304SC-1T	150	500	45	0	
S0815BAGB	O-Indonesia	MR064002	R1	CY2304SC-1T	150	1000	45	0	
S0815BAAGB	T-TAIWAN	MR071034	R1	CY2304SC-1T	150	500	77	0	
S0815DAGB	M-PHIL	MR063033	R1	CY2305SI-1H	150	1000	50	0	
S0815DAGB	M-PHIL	MR063033	R1	CY2305SI-1H	150	500	50	0	
S0815DAGB	M-PHIL	MR064060	R1	CY2907SL-220	150	500	50	0	
S0815DAGB	M-PHIL	MR064060	R1	CY2907SL-220	150	1000	50	0	
S0815PAGN	R-CML	MR063028	R1	CY271ASL-653T	150	1000	50	0	
S0815PAGN	R-CML	MR063028	R1	CY271ASL-653T	150	500	50	0	
S1615KAGN	RA-CML	MR063035	R1	CY2308SC-1	150	500	50	0	
S1615KAGN	RA-CML	MR063035	R1	CY2308SC-1	150	1000	50	0	



S1615KAGN	RA-CML	MR064055	R1	CY2292SL-1K2	150	500	50	0
S1615KAGN	RA-CML	MR064055	R1	CY2292SL-1K2	150	1000	50	0
S1615KAGN	RA-CML	MR071055	R1	CY2309SC-1H	150	1000	80	0
S1615KAGN	RA-CML	MR071055	R1	CY2309SC-1H	150	500	80	0
S324513GN	R-CML	MR063054	R1	CY62128BLL-70SI	150	1000	50	0
S324513GN	R-CML	MR063054	R1	CY62128BLL-70SI	150	500	50	0

Summary for Package Family : SOIC (19 records)

Sum **1,017** **0**

SOIC (Pb-free)

SZ0815DGN	M-PHIL	53301	2	7C850003BC-MSZC	150	500	50	0
SZ0815DGN	M-PHIL	53301	2	7C850003BC-MSZC	150	1000	50	0
SZ1615KGN	RA-CML	MR071056	R1	CY2309SXI-1H	150	500	80	0
SZ1615KGN	RA-CML	MR071056	R1	CY2309SXI-1H	150	1000	80	0
SZ1615KGN	RA-CML	MR072020	R1	CY2309SXC-1	150	500	80	0
SZ1615KGN	RA-CML	MR072020	R1	CY2309SXC-1	150	1000	80	0
SZ183AGAN	M-PHIL	MR063052	R1	CY7C63723-SXC	150	1000	50	0
SZ183AGAN	M-PHIL	MR063052	R1	CY7C63723-SXC	150	500	50	0
SZ183AGAN	M-PHIL	MR064051	R1	CY7C63813-SXC	150	1000	50	0
SZ183AGAN	M-PHIL	MR064051	R1	CY7C63813-SXC	150	500	50	0
SZ183CGAN	RA-CML	MR063050	R1	CY7C63723-SXC	150	500	50	0
SZ183CGAN	RA-CML	MR063050	R1	CY7C63723-SXC	150	1000	50	0
SZ183CGAN	RA-CML	MR064009	R1	CY7C63723-SXC	150	500	50	0
SZ183CGAN	RA-CML	MR064009	R1	CY7C63723-SXC	150	1000	50	0
SZ183CGAN	RA-CML	MR072026	R1	CY7C63723-SXC	150	500	80	0
SZ2032GAN	R-CML	MR063012	R1	CY7C63001A-SXC	150	1000	50	0
SZ2032GAN	R-CML	MR063012	R1	CY7C63001A-SXC	150	500	50	0
SZ2035GAL	R-CML	71201	R2A	CY8C24223A-24SXI	150	500	50	0
SZ2035GAL	R-CML	71201	R2A	CY8C24223A-24SXI	150	1000	50	0
SZ2035GAL	R-CML	MR064053	R1	CY8C24223A-24SXI	150	500	50	0
SZ2035GAL	R-CML	MR064053	R1	CY8C24223A-24SXI	150	1000	50	0
SZ2035GAL	R-CML	MR072009	R1	CY8C24223A-24SXI	150	500	80	0
SZ2035GAL	R-CML	MR072009	R1	CY8C24223A-24SXI	150	1000	80	0
SZ28327GL	R-CML	MR062081	R1	CY8C27443-24SXI	125	1012	15	0
SZ28327GL	R-CML	MR062081	R1	CY8C27443-24SXI	125	1000	285	0
SZ28327GL	R-CML	MR063039	R1	CY8C27443-24SXI	150	48	300	0
SZ28327GL	R-CML	MR063039	R1	CY8C27443-24SXI	150	500	75	0
SZ28327GL	R-CML	MR063039	R1	CY8C27443-24SXI	150	1000	75	0
SZ324513N	R-CML	MR064074	R1	CY7C53120E4-40SXI	150	1000	50	0
SZ324513N	R-CML	MR064074	R1	CY7C53120E4-40SXI	150	500	50	0
SZ324514LL	R-CML	MR064021	R1	CY62148DV30LL-70SXI	150	500	50	0
SZ324514LL	R-CML	MR064021	R1	CY62148DV30LL-70SXI	150	1000	50	0
SZ32457LN	R-CML	MR072007	R1	CY62128ELL-45SXI	150	500	80	0
SZ32457LN	R-CML	MR072007	R1	CY62128ELL-45SXI	150	1000	80	0
SZ815DAGN	M-PHIL	MR071023	R1	CY2305SXC-1HT	150	500	80	0
SZ815DAGN	M-PHIL	MR071023	R1	CY2305SXC-1HT	150	1000	80	0
SZ815DAGN	M-PHIL	MR072002	R1	CY2305SXI-1H	150	500	79	0
SZ815DAGN	M-PHIL	MR072002	R1	CY2305SXI-1H	150	1000	79	0
SZ815PAGN	RA-CML	MR063011	R1	CY2305SXC-1H	150	1000	50	0
SZ815PAGN	RA-CML	MR063011	R1	CY2305SXC-1H	150	500	50	0

Summary for Package Family : SOIC (Pb-free) (40 records)

Sum **2,888** **0**

SSOP

O2024GAGE	M-PHIL	MR063107	R1	CY2DP3140I	150	500	49	0
O2024GAGE	M-PHIL	MR063107	R1	CY2DP3140I	150	1000	49	0
O2824GAGB	T-TAIWAN	MR063025	R1	CY284000C	150	500	50	0
O2824GAGB	T-TAIWAN	MR063025	R1	CY284000C	150	1000	50	0
O2824GAGB	T-TAIWAN	MR064013	R1	CY284000C	150	1000	50	0
O2824GAGB	T-TAIWAN	MR064013	R1	CY284000C	150	500	50	0
O563AXAGN	R-CML	MR063026	R1	CY284190C	150	500	50	0
O563AXAGN	R-CML	MR063026	R1	CY284190C	150	1000	49	0
O563AXAGN	R-CML	MR064045	R1	CY284190C	150	500	50	0



O563AXAGN	R-CML	MR064045	R1	CY28419OC	150	1000	50	0
O563AXAGN	R-CML	MR071027	R1	CY28419OC	150	1000	80	0
O563AXAGN	R-CML	MR071027	R1	CY28419OC	150	500	80	0

Summary for Package Family : SSOP (12 records)

Sum **657** **0**

SSOP (Pb-free)

SP2023GAL	T-TAIWAN	MR062035	R1	CY8C26233-24PVXI	125	1000	299	0
SP2023GAL	T-TAIWAN	MR062074	R1	CY8C27243-24PVXI	125	1000	299	0
SP2023GAL	T-TAIWAN	MR063060	R1	CY8C26233-24PVXIT	150	500	50	0
SP2023GAL	T-TAIWAN	MR063060	R1	CY8C26233-24PVXIT	150	1000	50	0
SP2023GAL	T-TAIWAN	MR071036	R1	CS6585AMT	150	500	78	0
SP2023GAL	T-TAIWAN	MR071036	R1	CS6585AMT	150	1000	78	0
SP2024AGL	M-PHIL	MR072011	R1	CG6646AA	150	500	80	0
SP2024AGL	M-PHIL	MR072011	R1	CG6646AA	150	1000	80	0
SP2026YAN	T-TAIWAN	63208	R1	CY8C21334-24PVXI	125	80	75	0
SP2026YAN	T-TAIWAN	63208	R1	CY8C21334-24PVXI	125	168	75	0
SP2026YAN	T-TAIWAN	63208	R1	CY8C21334-24PVXI	125	336	75	0
SP2026YAN	T-TAIWAN	63208	R2	CY8C21334-24PVXI	125	80	75	0
SP2026YAN	T-TAIWAN	63208	R2	CY8C21334-24PVXI	125	168	75	0
SP2026YAN	T-TAIWAN	63208	R2	CY8C21334-24PVXI	125	336	75	0
SP2026YAN	T-TAIWAN	MR063040	R1	CY8C21334-24PVXI	150	96	300	0
SP2026YAN	T-TAIWAN	MR071006	R1	CY8C21334-24PVXI	150	500	80	0
SP2026YAN	T-TAIWAN	MR071006	R1	CY8C21334-24PVXI	150	1000	80	0
SP2029AAGL	RA-CML	NR064003	R3	CY8C21334-24PVXI	150	500	80	0
SP2029AAGL	RA-CML	NR064003	R3	CY8C21334-24PVXI	150	1000	80	0
SP2029AAGL	RA-CML	NR064003	R4	CY8C21334-24PVXI	150	1000	80	0
SP2029AAGL	RA-CML	NR064003	R4	CY8C21334-24PVXI	150	500	80	0
SP2814GAL	T-TAIWAN	MR062073	R1	CY8C27443-24PVXI	125	1000	300	0
SP2814HAL	M-PHIL	63210	R1	CY8C27443-24PVXI	125	168	80	0
SP2814HAL	M-PHIL	63210	R1	CY8C27443-24PVXI	125	336	80	0
SP2814HAL	M-PHIL	MR064068	R1	CS6250AM	150	500	50	0
SP2814HAL	M-PHIL	MR064068	R1	CS6250AM	150	1000	50	0
SP28214GL	T-TAIWAN	MR062033	R1	CY7C64215-28PVXC	150	1000	76	0
SP28214GL	T-TAIWAN	MR062034	R1	CY8C26443-24PVXI	125	1000	300	0
SP28214GL	T-TAIWAN	MR064005	R1	CY8C24423A-24PVXI	150	1000	50	0
SP28214GL	T-TAIWAN	MR064005	R1	CY8C24423A-24PVXI	150	500	50	0
SP28214GL	T-TAIWAN	MR072004	R1	CY8C24423A-24PVXI	150	1000	80	0
SP28214GL	T-TAIWAN	MR072004	R1	CY8C24423A-24PVXI	150	500	80	0
SP483AGAN	R-CML	MR072017	R1	CY7C63413C-PVXC	150	500	77	0
SP483AGAN	R-CML	MR072017	R1	CY7C63413C-PVXC	150	1000	80	0
SP48AAAAGR	M-PHIL	71101	1	CY14B101L-SP45XC	150	500	10	0
SP48AAAAGR	M-PHIL	71101	1	CY14B101L-SP45XC	150	1000	10	0
SP48AAAAGR	M-PHIL	71101	2	CY14B101L-SP25XC	150	500	25	0
SP48AAAAGR	M-PHIL	71101	2	CY14B101L-SP25XC	150	1000	25	0
SP48AAAAGR	M-PHIL	71101	3	CY14B101L-SP45XC	150	1000	10	0
SP48AAAAGR	M-PHIL	71101	3	CY14B101L-SP45XC	150	500	10	0
SP563AAGN	R-CML	71201	R2B	CY28409OXCT	150	500	80	0
SP563AAGN	R-CML	71201	R2B	CY28409OXCT	150	1000	80	0
SP563AAGN	R-CML	MR064026	R1	CY28410OXC	150	1000	50	0
SP563AAGN	R-CML	MR064026	R1	CY28410OXC	150	500	50	0
SP563AAGN	R-CML	MR071041	R1	CY28409OXCT	150	500	80	0
SP563AAGN	R-CML	MR071041	R1	CY28409OXCT	150	1000	80	0
SP563BAGL	R-CML	65201	R1	CY7C68053-56PVC	150	80	80	0
SP563BAGL	R-CML	65201	R1	CY7C68053-56PVC	150	168	80	0
SP563BAGL	R-CML	MR063075	R1	CY7C68001-56PVXC	150	500	49	0
SP563BAGL	R-CML	MR063075	R1	CY7C68001-56PVXC	150	1000	49	0
SP563BBGL	T-TAIWAN	MR072029	R1	CY7C68013A-56PVXC	150	500	80	0
28L SSOP	M-PHIL	60208	R1	CY8C20334-PVXI	150	500	80	0
28L SSOP	M-PHIL	60208	R1	CY8C20334-PVXI	150	1000	80	0

Summary for Package Family : SSOP (Pb-free) (54 records)

Sum **4,605** **0**

SOIC (J-Lead)

V243GGBLE	O- INDONESIA	MR064020	R1	CY7C194B-15VC	150	1000	45	0
V243GGBLE	O- INDONESIA	MR064020	R1	CY7C194B-15VC	150	500	45	0
V2835GAHN	R-CML	MR063047	R1	CY7C199-15VC	150	1000	50	0
V2835GAHN	R-CML	MR063047	R1	CY7C199-15VC	150	500	50	0
V2835GALN	R-CML	MR064011	R1	CY7C185-20VC	150	1000	49	0
V2835GALN	R-CML	MR064011	R1	CY7C185-20VC	150	500	50	0
V2835GALN	R-CML	MR071001	R1	CY7C185-25VC	150	500	80	0
V2835GALN	R-CML	MR071001	R1	CY7C185-25VC	150	1000	80	0
V284CGAGGB	O- INDONESIA	MR071033	R1	CY7C106BN-15VC	150	1000	77	0
V284CGAGGB	O- INDONESIA	MR071033	R1	CY7C106BN-15VC	150	500	77	0
V32421GLN	R-CML	MR071050	R1	CY7C1019CV33-12VI	150	500	80	0
V32421GLN	R-CML	MR071050	R1	CY7C1019CV33-12VI	150	1000	80	0
V32421XLN	R-CML	MR064003	R1	CY7C1019CV33-12VC	150	500	50	0
V32421XLN	R-CML	MR064003	R1	CY7C1019CV33-12VC	150	1000	49	0

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

Sum **862** **0**

SOIC (J-Lead, Pb-Free)

VZ2439AGS	O- INDONESIA	MR062061	R1	CY7C187-25VXC	150	1000	45	0
VZ2439AGS	O- INDONESIA	MR063044	R1	CY7C187/25VXC	150	1000	50	0
VZ2439AGS	O- INDONESIA	MR063044	R1	CY7C187/25VXC	150	500	50	0
VZ2439AGS	O- INDONESIA	MR064067	R1	CY7C187-25VXC	150	1000	50	0
VZ2439AGS	O- INDONESIA	MR064067	R1	CY7C187-25VXC	150	500	50	0
VZ2439AGS	O- INDONESIA	MR071061	R1	CY7C187-35VXC	150	500	79	0
VZ2439AGS	O- INDONESIA	MR071061	R1	CY7C187-35VXC	150	1000	79	0
VZ28311LL	R-CML	MR063045	R1	CY7C199C-20VXC	150	500	50	0
VZ28311LL	R-CML	MR063045	R1	CY7C199C-20VXC	150	1000	50	0
VZ28320ALR	O- INDONESIA	70309	R1	CY7C192-15VXCT	150	500	45	0
VZ28320ALR	O- INDONESIA	70309	R1	CY7C192-15VXCT	150	1000	45	0
VZ2843AGN	O- INDONESIA	63506	R1	CY7C106	150	500	50	0
VZ2843AGN	O- INDONESIA	63506	R1	CY7C106	150	1000	50	0
VZ32421LL	R-CML	NR064001	R3	7C1319GC-RVZC	150	500	75	0
VZ32421LL	R-CML	NR064001	R3	7C1319GC-RVZC	150	1000	75	0
VZ32421LL	R-CML	NR064001	R5	7C1319GC-RVZC	150	1000	78	0
VZ32421LL	R-CML	NR064001	R5	7C1319GC-RVZC	150	500	78	0
VZ32421LN	R-CML	MR063068	R1	CY7C1019CV33-15VXC	150	500	50	0
VZ32421LN	R-CML	MR063068	R1	CY7C1019CV33-15VXC	150	1000	50	0
VZ3644GALL	R-CML	MR064066	R1	CY7C1049B-15VXI	150	1000	50	0
VZ3644GALL	R-CML	MR064066	R1	CY7C1049B-15VXI	150	500	50	0
VZ444ZALL	R-CML	MR063032	R1	CY7C1021CV33-15VXC	150	1000	50	0
VZ444ZALL	R-CML	MR063032	R1	CY7C1021CV33-15VXC	150	500	50	0
VZ444ZALL	R-CML	MR064052	R1	CY7C1021CV33-8VXC	150	500	50	0
VZ444ZALL	R-CML	MR064052	R1	CY7C1021CV33-8VXC	150	1000	49	0
VZ444ZALL	R-CML	MR071024	R1	CY7C1021CV33-10VXC	150	500	80	0
VZ444ZALL	R-CML	MR071024	R1	CY7C1021CV33-10VXC	150	1000	80	0

Summary for Package Family : SOIC (J-Lead, Pb-free) (27 records)

Sum **1,558** **0**

TQFP

A100AGAGE	G-TAIWAN	MR063092	R1	CY7C028V-20AC	150	1000	37	0
A100AGAGE	G-TAIWAN	MR063092	R1	CY7C028V-20AC	150	500	37	0
A120CGAGE	G-TAIWAN	63605	R1A	CY7CS8AT1A-35AC	150	168	80	0

A120CGAGE	G-TAIWAN	63605	R1A	CY7CS8AT1A-35AC	150	80	80	0
A32BXGAN	L-KOREA	MR063034	R1	CY7C4241AT-QACB	150	1000	50	0
A32BXGAN	L-KOREA	MR063034	R1	CY7C4241AT-QACB	150	500	50	0
A52ASGAGE	Q-KOREA	MR062082	R1	CY7B9973V-AC	150	1000	50	0
A52ASGAGE	Q-KOREA	MR064081	R1	CY7B9945V-5AC	150	500	49	0
A52ASGAGE	Q-KOREA	MR064081	R1	CY7B9945V-5AC	150	1000	49	0
A52ASGAGE	Q-KOREA	MR071062	R1	CY7B9973V-AC	150	1000	80	0
A52ASGAGE	Q-KOREA	MR071062	R1	CY7B9973V-AC	150	500	80	0

Summary for Package Family : TQFP (11 records)

Sum **642** **0**

TQFP (10 X 10)

Summary for Package Family : TQFP (10 X 10) (0 record)

Sum **0** **0**

TQFP (Pb-free)

AZ100RCGN	G-TAIWAN	MR063087	R1	CY7C64713-100AXC	150	1000	50	0
AZ100RCGN	G-TAIWAN	MR063087	R1	CY7C64713-100AXC	150	500	50	0
AZ100RUAGN	R-CML	65105	R1	CY7C68013A-100AXC	150	500	50	0
AZ100RUAGN	R-CML	65105	R1	CY7C68013A-100AXC	150	1000	50	0
AZ100RUAGN	R-CML	65105	R2	CY7C68013A-100AXC	150	500	80	0
AZ100RUALN	R-CML	71201	R2A1	CY7C1345G-100AXC	150	500	50	0
AZ100RUALN	R-CML	71201	R2A1	CY7C1345G-100AXC	150	1000	50	0
AZ100RUALN	R-CML	MR064076	R1	CY7C1345G-100AXC	150	500	50	0
AZ100RUALN	R-CML	MR064076	R1	CY7C1345G-100AXC	150	1000	50	0
AZ100RULN	R-CML	MR064010	R1	CY7C1325G-133AXC	150	500	50	0
AZ100RULN	R-CML	MR064010	R1	CY7C1325G-133AXC	150	1000	50	0
AZ100RXLL	R-CML	71201	R1A	CY7C1354CV25-166AXC	150	1000	80	0
AZ100RXLL	R-CML	71201	R1A	CY7C1354CV25-166AXC	150	500	80	0
AZ100RXLL	R-CML	MR071051	R1	CY7C1354CV25-166AXC	150	1000	80	0
AZ100RXLL	R-CML	MR071051	R1	CY7C1354CV25-166AXC	150	500	80	0
AZ100RXLL	R-CML	MR072033	R1	CY7C1360C-166AXI	150	500	80	0
AZ100SFAL	RA-CML	MR063008	R1	CY7C025-25AXC	150	1000	49	0
AZ100SFAL	RA-CML	MR063008	R1	CY7C025-25AXC	150	500	49	0
AZ128SALL	R-CML	MR072015	R1	CY7C64713-128AXC	150	500	80	0
AZ128SALL	R-CML	NR061005	R3	CY7C68013A-128AXI	150	1000	49	0
AZ32BXGAN	Q-KOREA	MR063080	R1	CY7C4241V-15AXC	150	500	50	0
AZ32BXGAN	Q-KOREA	MR063080	R1	CY7C4241V-15AXC	150	1000	49	0
AZ44SEGLL	R-CML	MR064061	R1	CY7C1011CV33-12AXI	150	1000	50	0
AZ44SEGLL	R-CML	MR064061	R1	CY7C1011CV33-12AXI	150	500	50	0
AZ52ASGAL	Q-KOREA	MR064075	R1	CY7B9945V-2AXI	150	500	47	0
AZ52ASGAL	Q-KOREA	MR064075	R1	CY7B9945V-2AXI	150	1000	47	0
AZ52ASGAL	Q-KOREA	MR071005	R1	CY7B9945V-2AXI	150	500	80	0
AZ52ASGAL	Q-KOREA	MR071005	R1	CY7B9945V-2AXI	150	1500	79	0
AZ52ASGAL	Q-KOREA	MR071005	R1	CY7B9945V-2AXI	150	1000	80	0
AZ64HXGAL	R-CML	MR062101	R1	CY7C4245-15AXC	150	500	50	0
AZ64HXGAL	R-CML	MR062101	R1	CY7C4245-15AXC	150	1000	50	0
AZ64HXGAL	R-CML	MR072016	R1	CY7C4225-15AXC	150	1000	77	0
AZ64HXGAL	R-CML	MR072016	R1	CY7C4225-15AXC	150	500	77	0

Summary for Package Family : TQFP (Pb-free) (33 records)

Sum **1,993** **0**

TQFP (Thermal, Pb-free)

Summary for Package Family : TQFP (Thermal, Pb-Free) (0 record)

Sum **0** **0**

TSOP (Pb-free)

ZT28R2AGN	R-CML	MR063030	R1	CY62256LL-70ZXI	150	500	50	0
ZT28R2AGN	R-CML	MR063030	R1	CY62256LL-70ZXI	150	1000	50	0
ZT32RABALL	T-TAIWAN	MR063043	R1	CY7C109B-15ZXCT	150	500	50	0
ZT32RABALL	T-TAIWAN	MR063043	R1	CY7C109B-15ZXCT	150	1000	50	0
ZT32RABALL	T-TAIWAN	MR071049	R1	CY62128ELL-45ZXI	150	1000	80	0
ZT32RABALL	T-TAIWAN	MR071049	R1	CY62128ELL-45ZXI	150	500	80	0
ZT32RACALL	RA-CML	63907	R1	CY7C109BN-15ZXC	150	1000	45	0
ZT32RACALL	RA-CML	63907	R1	CY7C109BN-15ZXC	150	500	45	0

ZT32RZALL	T-TAIWAN	MR064078	R1	CY7C109D-10ZXI	150	500	44	0
ZT32RZALL	T-TAIWAN	MR064078	R1	CY7C109D-10ZXI	150	1000	44	0
ZT48ABBLL	T-TAIWAN	71906	R4	CY62167DV30LL	150	500	50	0
ZT48ABBLL	T-TAIWAN	71906	R4	CY62167DV30LL	150	1000	50	0
ZT48ACALL	G-TAIWAN	MR063016	R1	CY62167DV30LL-45ZXI	150	500	45	0

Summary for Package Family : TSOP (Pb-free) (13 records)

Sum **683** **0**

TSOP I

Summary for Package Family : TSOP I (2 records)

Sum **0** **0**

TSOP I (Pb-free)

ZB32RHALL	R-CML	MR063048	R1	CY62128DV30LL-55AXI	150	500	50	0
ZB32RHALL	R-CML	MR063048	R1	CY62128DV30LL-55AXI	150	1000	50	0
ZB32RHALN	R-CML	MR064028	R1	CY62128EV30LL-45ZAXI	150	500	50	0
ZB32RHALN	R-CML	MR064028	R1	CY62128EV30LL-45ZAXI	150	1000	50	0
ZB32RHALN	R-CML	MR071021	R1	CY62128EV30LL-45ZAXI	150	1000	78	0
ZB32RHALN	R-CML	MR071021	R1	CY62128EV30LL-45ZAXI	150	500	79	0
ZB32RKALL	T-TAIWAN	MR064071	R1	CY62128ELL-45ZAXI	150	1000	50	0
ZB32RKALL	T-TAIWAN	MR064071	R1	CY62128ELL-45ZAXI	150	500	50	0

Summary for Package Family : TSOP I (Pb-Free) (8 records)

Sum **457** **0**

TSOP II

ZS324FAGE	T-TAIWAN	NR062001	R2	CY7C1019CV33-12ZCT	150	500	45	0
ZS324FAGE	T-TAIWAN	NR062001	R2	CY7C1019CV33-12ZCT	150	1000	45	0
ZS324FAGE	T-TAIWAN	NR062001	R3	CY7C1019CV33-12ZCT	150	500	45	0
ZS324FAGE	T-TAIWAN	NR062001	R3	CY7C1019CV33-12ZCT	150	1000	45	0
ZS444ABALE	R-CML	MR061067	R1	CS6334AS	150	500	50	0
ZS444AJALN	R-CML	71201	R1B	CY7C1021CV33-10ZI	150	500	80	0
ZS444AJALN	R-CML	71201	R1B	CY7C1021CV33-10ZI	150	1000	80	0
ZS444AJALN	R-CML	MR064029	R1	CY7C1021CV33-15ZC	150	1000	50	0
ZS444AJALN	R-CML	MR064029	R1	CY7C1021CV33-15ZC	150	500	50	0
ZS444AJALN	R-CML	MR071022	R1	CY7C1021CV33-10ZI	150	500	80	0
ZS444AJALN	R-CML	MR071022	R1	CY7C1021CV33-10ZI	150	1000	80	0
ZS444AKALN	R-CML	MR064022	R1	CY7C1041CV33-20ZC	150	1000	49	0
ZS444AKALN	R-CML	MR064022	R1	CY7C1041CV33-20ZC	150	500	50	0
ZS544AALE	G-TAIWAN	MR063015	R1	CY7C1061AV33-12ZI	150	500	50	0
ZS544AALE	G-TAIWAN	MR063015	R1	CY7C1061AV33-12ZI	150	1000	50	0
ZS544AALE	G-TAIWAN	MR064044	R1	CY7C1069AV33-10ZC	150	500	44	0
ZS544AALE	G-TAIWAN	MR064044	R1	CY7C1069AV33-10ZC	150	1000	44	0

Summary for Package Family : TSOP II (17 records)

Sum **937** **0**

TSOP II (Pb-free)

ZW324CBLL	T-TAIWAN	MR064047	R1	CY62148ELL-45ZSXI	150	500	50	0
ZW324CBLL	T-TAIWAN	MR064047	R1	CY62148ELL-45ZSXI	150	1000	50	0
ZW324FBGL	T-TAIWAN	MR071047	R1	CY7C1019CV33-15ZXC	150	1000	80	0
ZW324FBGL	T-TAIWAN	MR071047	R1	CY7C1019CV33-15ZXC	150	500	80	0
ZW444AJGN	R-CML	MR063014	R1	CY7C1021CV33-10ZXC	150	1000	50	0
ZW444AJGN	R-CML	MR063014	R1	CY7C1021CV33-10ZXC	150	500	50	0
ZW444AJLN	R-CML	MR064059	R1	CY7C1020CV26-15ZSXE	150	500	80	0
ZW444AJLN	R-CML	MR064059	R1	CY7C1020CV26-15ZSXE	150	1000	80	0
ZW444AJLN	R-CML	MR071048	R1	CY7C1020CV33-15ZSXE	150	1000	80	0
ZW444ALLR	G-TAIWAN	64102	R1	CY7C1051DV33-10ZSXES	150	500	50	0
ZW444ALLR	G-TAIWAN	64102	R1	CY7C1051DV33-10ZSXES	150	1000	50	0
ZW444AMLN	R-CML	54911	R1	CY62157ELL	150	1000	50	0
ZW444AMLN	R-CML	64602	R1	CY62157DV30L	150	1000	50	0
ZW444AMLN	R-CML	71103	R1	CY62157ELL	150	1000	50	0
ZW544AAL	G-TAIWAN	MR071071	R1	CY7C1061AV33-10ZXC	150	500	80	0
ZW544AAL	G-TAIWAN	MR071071	R1	CY7C1061AV33-10ZXC	150	1000	80	0
ZW544AALL	G-TAIWAN	MR063085	R1	CY7C1069BV33-12ZXC	150	500	50	0
ZW544AALL	G-TAIWAN	MR063085	R1	CY7C1069BV33-12ZXC	150	1000	50	0
ZW544AALL	G-TAIWAN	MR064024	R1	CY7C1061AV33-12ZXC	150	1000	49	0



ZW544AALL	G-TAIWAN	MR064024	R1	CY7C1061AV33-12ZXC	150	500	49	0	
ZW544AALL	G-TAIWAN	MR071063	R1	CY7C1061AV33-12ZXC	150	1000	79	0	
ZW544AALL	G-TAIWAN	MR071063	R1	CY7C1061AV33-12ZXC	150	500	80	0	
Summary for Package Family : TSOP II (Pb-free) (22 records)									
Sum								1,367	0
RTSOP									
Summary for Package Family : RTSOP (0 record)									
Sum								0	0
RTSOP (Pb-free)									
Summary for Package Family : RTSOP (Pb-free) (0 record)									
Sum								0	0
TSSOP									
Z1613GAGB	T-TAIWAN	MR063013	R1	CY2308ZC-1H	150	500	50	0	
Z1613GAGB	T-TAIWAN	MR063013	R1	CY2308ZC-1H	150	1000	50	0	
Z1613GAGB	R-CML	MR064031	R1	CY2308ZI-1H	150	500	50	0	
Z1613GAGB	R-CML	MR064031	R1	CY2308ZI-1H	150	1000	50	0	
Z1613GAGB	T-TAIWAN	MR064032	R1	CY2308ZI-1H	150	500	50	0	
Z1613GAGB	T-TAIWAN	MR064032	R1	CY2308ZI-1H	150	1000	50	0	
Z1613GAGB	T-TAIWAN	MR071009	R1	CY2308ZI-1H	150	500	80	0	
Z1613GAGB	T-TAIWAN	MR071009	R1	CY2308ZI-1H	150	1000	74	0	
Z1619GAGN	R-CML	MR054006	R1	CY2308ZC-1H	150	1000	45	0	
Z1619GAGN	RA	MR063059	R1	CY22394AZC-704T	150	48	299	0	
Z1619GAGN	RA	MR064014	R1	CY2309ZC-1HT	150	500	50	0	
Z1619GAGN	RA	MR064014	R1	CY2309ZC-1HT	150	1000	50	0	
Z5624BAGN	R-CML	MR063104	R1	CY28409ZC	150	1000	50	0	
Z5624BAGN	R-CML	MR063104	R1	CY28409ZC	150	500	50	0	
Summary for Package Family : TSSOP (14 records)									
Sum								998	0
TSSOP (Pb-free)									
ZZ1614HAN	T-TAIWAN	MR071054	R1	CY26049ZXI-36	150	500	80	0	
ZZ1614HAN	T-TAIWAN	MR071054	R1	CY26049ZXI-36	150	1000	79	0	
ZZ1619GAN	RA-CML	MR063027	R1	CY2309ZXC-1HT	150	1000	49	0	
ZZ1619GAN	RA-CML	MR063027	R1	CY2309ZXC-1HT	150	500	49	0	
ZZ1619GAN	RA-CML	MR063038	R1	CY22392FXI	150	80	299	0	
ZZ1619GAN	RA-CML	MR063038	R1	CY22392FXI	150	500	298	0	
ZZ1619GAN	RA-CML	MR063038	R1	CY22392FXI	150	48	300	0	
ZZ1619GAN	RA-CML	MR064004	R1	CY2309ZXC-1H	150	1000	50	0	
ZZ1619GAN	RA-CML	MR064004	R1	CY2309ZXC-1H	150	500	50	0	
ZZ1619GAN	RA-CML	MR071057	R1	CY2309ZXI-1H	150	1000	80	0	
ZZ1619GAN	RA-CML	MR071057	R1	CY2309ZXI-1H	150	500	80	0	
ZZ2813AAGL	T-TAIWAN	MR063037	R1	CY28517ZXC	150	500	50	0	
ZZ2813AAGL	T-TAIWAN	MR063037	R1	CY28517ZXC	150	1000	50	0	
ZZ2817AGL	RA-CML	MR071043	R1	CY28517ZXCT	150	500	80	0	
ZZ2817AGL	RA-CML	MR071043	R1	CY28517ZXCT	150	1000	80	0	
ZZ2846AAGL	T-TAIWAN	MR064007	R1	CY28517ZXCT	150	500	50	0	
ZZ2846AAGL	T-TAIWAN	MR064007	R1	CY28517ZXCT	150	1000	50	0	
ZZ5624BGN	R-CML	MR063053	R1	CY505YC56DT	150	500	50	0	
ZZ5624BGN	R-CML	MR063053	R1	CY505YC56DT	150	1000	50	0	
ZZ5624BGN	R-CML	MR064008	R1	CY505YC56DT	150	500	50	0	
ZZ5624BGN	R-CML	MR064008	R1	CY505YC56DT	150	1000	50	0	
ZZ5624BGN	R-CML	MR071002	R1	CY505YC56DT	150	500	80	0	
ZZ5624BGN	R-CML	MR071002	R1	CY505YC56DT	150	1000	80	0	
ZZ5624BGN	R-CML	MR072010	R1	CY505YC56DT	150	500	80	0	
ZZ5624BGN	R-CML	MR072010	R1	CY505YC56DT	150	1000	80	0	
ZZ6421GAGL	M-PHIL	MR063031	R1	CY5C5YC64DT	150	500	50	0	
ZZ6421GAGL	M-PHIL	MR063031	R1	CY5C5YC64DT	150	1000	50	0	
ZZ6421GAGL	M-PHIL	MR064016	R1	CY28548ZXC	150	1000	50	0	
ZZ6421GAGL	M-PHIL	MR064016	R1	CY28548ZXC	150	500	50	0	
ZZ6421GAGL	M-PHIL	NR064005	R1	7C885052DC-MZZC	150	1000	50	0	
ZZ6421GAGL	M-PHIL	NR064005	R1	7C885052DC-MZZC	150	500	50	0	
ZZ6421GAGL	M-PHIL	NR064005	R2	7C885052DC-MZZC	150	1000	43	0	



ZZ6421GAGL	M-PHIL	NR064005	R2	7C885052DC-MZZC	150	500	45	0	
ZZ6421GAGL	M-PHIL	NR064005	R3	7C885052DC-MZZC	150	1000	44	0	
ZZ6421GAGL	M-PHIL	NR064005	R3	7C885052DC-MZZC	150	500	45	0	
ZZ642VFRHS	T-TAIWAN	64101	R1	CY505YC64DT	150	500	45	0	
ZZ642VFRHS	T-TAIWAN	64101	R1	CY505YC64DT	150	1000	45	0	
Summary for Package Family : TSSOP (Pb-free) (37 records)									
Sum								2,861	0