



2012 Q1 RELIABILITY REPORT

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

This report summarizes Cypress Semiconductor Product Reliability for the period of the 1st quarter of 2012. 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
LL65	1,987,386	1	6.0	15	Fab defect-1 (See Note 2)
C9	1,747,201	0	3	0	None
R8	135,724	0	Insufficient	0	None
S8	2,473,462	3	9.9	53	Fab defect-3 (See Note 3)
C8	139,555	0	Insufficient	0	None
R95	1,115,865	0	5	0	None
R9	915,240	0	5.9	0	None
R7	915,576	0	5.9	0	None
S4	352,870	0	15.3	0	None
R52	279,024	0	19.3	0	None
L8	71,952	0	Insufficient	0	None
B53	61,905	0	Insufficient	0	None
Grand Total	10,195,758	4	3.0	15	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) Non-Visual Defect will be covered by continuous improvement at Fab
 3) CAR 201201012 - NWM and O2 flash process fixes- STI process improvements



2.3 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	PPM	Failure Mode
R42	96,774	0	Insufficient	0	None
R8	121,600	0	Insufficient	0	None
C8	584,766	0	9.2	0	None
LL65	750,601	0	7.2	0	None
C9	1,363,085	0	3.9	0	None
R9	514,984	0	10	0	None
R52	233,276	0	23.1	0	None
S8	1,463,312	0	3.7	0	None
S4	769,063	0	7.0	0	None
R95	301,538	0	17.9	0	None
R7	246,196	0	21.9	0	None
Grand Total	6,445,196	0	0.8	0	None

Note: 1) 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 150°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 Acceleration Factor 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 reliability at nominal system ambient temperature is related to the failure rate at elevated temperatures through the Acceleration Factor equation.

Table 3. Data Retention Summary

Technology	Device Hours	# Failed	FIT Rate	Failure Mode
S4	8,972,608	0	0.28	None
S8	11,931,500	0	0.19	None
Total	20,904,108	0	0.11	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.

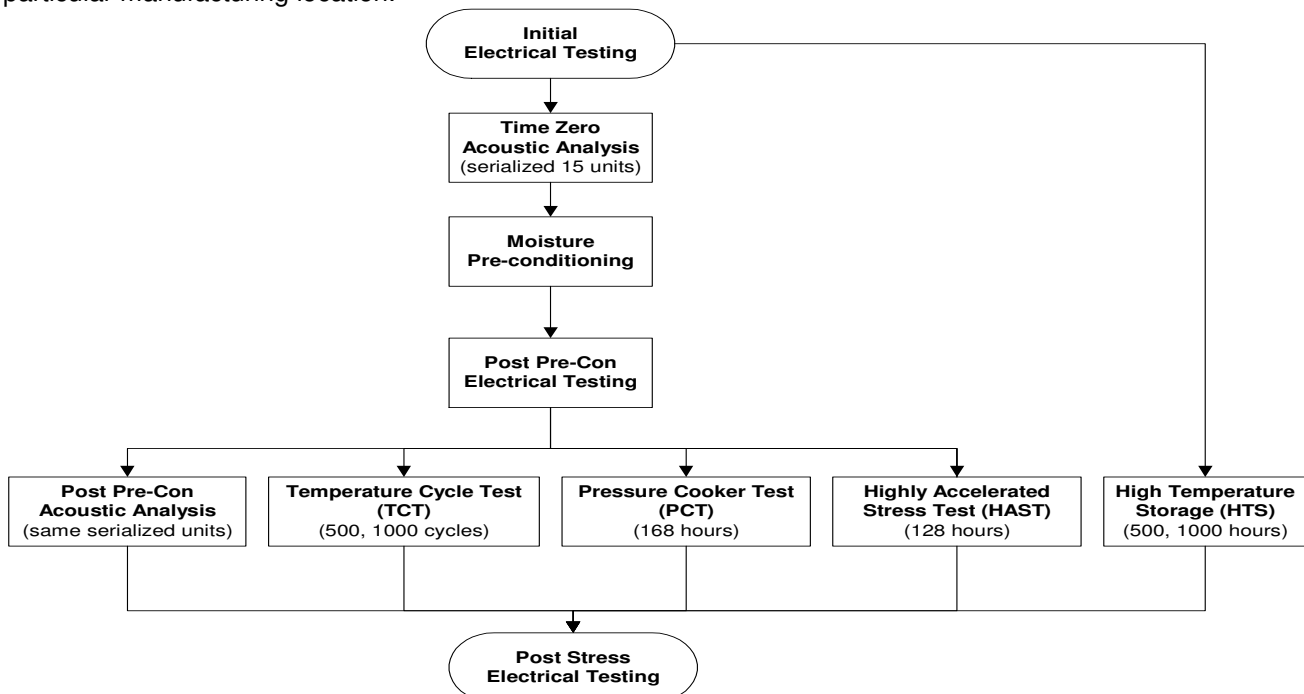


Figure 1. Cypress Package Reliability Stress Flow



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
UFBGA (Pb-free)	154	0	0	0
FBGA (0.75-0.8, 0.3mm)	90	0	0	0
FBGA (0.75-0.8, 0.3mm, Pb-free)	1271	0	0	0
FBGA (1.0-1.27)	800	0	0	0
FBGA (1.0-1.27, Pb-free)	1253	0	0	0
PBGA (1.27)	29	0	0	0
FLIPCHIP CSP (Pb-Free)	1346	0	0	0
PBGA (Cavity/Heat Sink, Pb-free)	428	0	0	0
PDIP (Pb-Free)	508	0	0	0
PLCC (Pb-Free)	337	0	0	0
PQFP (Pb-free)	334	0	0	0
QFN (COL, 0.6mm, Saw Type, Pb-free)	1883	0	0	0
QFN (0.6mm, Punch Type, Pb-Free)	30	0	0	0
QFN (Punch Type, Pb-Free)	390	0	0	0
QFN (Saw Type, Pb-Free)	10549	0	0	0
QSOP (Pb-Free)	170	0	0	0
SNC (Pb-Free)	180	0	0	0
SOIC (Pb Free)	3690	0	0	0
SOJ	90	0	0	0
SOJ (Pb-Free)	1166	0	0	0
SSOP (Pb-Free)	2759	0	0	0
TQFP	50	0	0	0
TQFP (Pb-Free)	2928	0	0	0
TSOP (Pb-free)	398	0	0	0
TSOP I (Pb-Free)	350	0	0	0
TSOP II (Pb-Free)	3207	0	0	0
RTSOP (Pb-free)	60	0	0	0
TSSOP (Pb-Free)	1319	0	0	0
VFBGA (0.75-0.8, 0.3mm)	329	0	0	0
VFBGA (0.75-0.8, 0.3mm, Pb-Free)	2133	0	0	0
Grand Total	38,231	0	0.00%	None



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
UFPGA (Pb-free)	77	0	0	None
FBGA (0.75-0.8, 0.3mm, Pb-free)	461	0	0	None
FBGA (1.0-1.27)	60	0	0	None
FBGA (1.0-1.27, Pb-free)	437	0	0	None
PDIP (Pb-Free)	180	0	0	None
PLCC (Pb-Free)	60	0	0	None
QFN (COL, 0.6mm, Saw Type, Pb-free)	924	0	0	None
QFN (Punch Type, Pb-Free)	90	0	0	None
QFN (Saw Type, Pb-Free)	4,708	0	0	None
QSOP (Pb-Free)	55	0	0	None
SNC (Pb-Free)	90	0	0	None
SOIC (Pb Free)	798	0	0	None
SOJ	57	0	0	None
SOJ (Pb-Free)	558	0	0	None
SSOP (Pb-Free)	1,314	0	0	None
TQFP	25	0	0	None
TQFP (Pb-Free)	604	0	0	None
TSOP (Pb-free)	110	0	0	None
TSOP I (Pb-Free)	115	0	0	None
TSOP II (Pb-Free)	929	0	0	None
RTSOP (Pb-free)	30	0	0	None
TSSOP (Pb-Free)	60	0	0	None
VFBGA (0.75-0.8, 0.3mm)	174	0	0	None
VFBGA (0.75-0.8, 0.3mm, Pb-Free)	388	0	0	None
Grand Total	12,304	0	0.00%	None



3.3 TEMPERATURE CYCLE TEST (TC)

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

Condition : MIL-STD-883D, Method 1010, Condition B, -55°C to 125°C
MIL-STD-883D, Method 1010, Condition C, -65°C to 150°C
(Refer to Appendix C for derating factor calculation)

Pre-Conditioning : 5 cycles Temperature Cycle -65/+150, 24 hr Bake 125°C, Moisture loading to qualified MSL level

Duration : 500 cycles minimum at Condition C,
1000 cycles minimum at Condition B

Failure Mode : Parametric shifts and catastrophic failures

Failure Mechanism : Wire bond, cracked or lifted die and package failure.

Table 6. Temperature Cycling Failure Rate Summary

Package	Sample Size	# Failed	Defects %	Failure Mode
UFBGA (Pb-free)	230	0	0	None
FBGA (0.75-0.8, 0.3mm)	30	0	0	None
FBGA (0.75-0.8, 0.3mm, Pb-free)	2,614	0	0	None
FBGA (1.0-1.27)	1,026	0	0	None
FBGA (1.0-1.27, Pb-free)	1,927	0	0	None
PBGA (1.27)	30	0	0	None
FLIPCHIP CSP (Pb-Free)	3,939	0	0	None
PBGA (Cavity/Heat Sink)	334	0	0	None
PBGA (Cavity/Heat Sink, Pb-free)	582	0	0	None
PDIP (Pb-Free)	706	0	0	None
PLCC (Pb-Free)	1,374	11	0.80%	11-Cut Wedge (See Note 1)
PQFP (Pb-free)	520	0	0	None
QFN (COL, 0.6mm, Saw Type, Pb-free)	3,173	0	0	None
QFN (Punch Type, Pb-Free)	300	0	0	None
QFN (Saw Type, Pb-Free)	15,147	0	0	None
QSOP (Pb-Free)	318	0	0	None
SNC (Pb-Free)	479	0	0	None
SOIC	70	0	0	None
SOIC (Pb Free)	4,677	9	0.19%	9-Cut Wedge (See Note 2)
SOJ	140	0	0	None
SOJ (Pb-Free)	1,278	0	0	None
SSOP (Pb-Free)	6,227	0	0	None
TQFP	80	0	0	None
TQFP (Pb-Free)	4,944	0	0	None
TSOP (Pb-free)	370	0	0	None
TSOP I (Pb-Free)	320	0	0	None
TSOP II (Pb-Free)	3,643	0	0	None
RTSOP (Pb-free)	60	0	0	None
TSSOP (Pb-Free)	1,846	0	0	None
VFBGA (0.75-0.8, 0.3mm)	177	0	0	None
VFBGA (0.75-0.8, 0.3mm, Pb-Free)	2,468	0	0	None
Grand Total	59,029	20	0.03%	See Above

Notes :

1) CAR 201140020 – On-going root cause analysis

2) CAR 201121015 – Implementation of new mold compound



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 or 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
UFBGA (Pb-free)	227	0	0	None
FBGA (0.75-0.8, 0.3mm)	30	0	0	None
FBGA (0.75-0.8, 0.3mm, Pb-free)	770	0	0	None
FBGA (1.0-1.27)	447	0	0	None
FBGA (1.0-1.27, Pb-free)	591	0	0	None
PBGA (1.27)	30	0	0	None
FLIPCHIP CSP (Pb-Free)	885	0	0	None
PBGA (Cavity/Heat Sink, Pb-free)	90	0	0	None
PDIP (Pb-Free)	570	0	0	None
PLCC (Pb-Free)	419	0	0	None
PQFP (Pb-free)	370	0	0	None
QFN (COL, 0.6mm, Saw Type, Pb-free)	1,207	0	0	None
QFN (Punch Type, Pb-Free)	270	0	0	None
QFN (Saw Type, Pb-Free)	8,687	0	0	None
QSOP (Pb-Free)	190	0	0	None
SNC (Pb-Free)	180	0	0	None
SOIC	30	0	0	None
SOIC (Pb Free)	2,086	0	0	None
SOJ	170	0	0	None
SOJ (Pb-Free)	668	0	0	None
SSOP (Pb-Free)	1,264	0	0	None
TQFP	130	0	0	None
TQFP (Pb-Free)	1,634	0	0	None
TSOP (Pb-free)	250	0	0	None
TSOP I (Pb-Free)	320	0	0	None
TSOP II (Pb-Free)	847	0	0	None
RTSOP (Pb-free)	60	0	0	None
TSSOP (Pb-Free)	911	0	0	None
VFBGA (0.75-0.8, 0.3mm)	210	0	0	None
VFBGA (0.75-0.8, 0.3mm, Pb-Free)	596	0	0	None
Grand Total	24,139	0	0.00%	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 x 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 (RH_j) is

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

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.

$$\begin{aligned}VP (130^\circ\text{C}) &= 2026.10 \text{ mm Hg} \\VP (135^\circ\text{C}) &= 2347.26 \text{ mm Hg}\end{aligned}$$

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

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

Similarly, for 140°C HAST testing,

$$\begin{aligned}VP (140^\circ\text{C}) &= 2710.92 \text{ mm Hg} \\VP (145^\circ\text{C}) &= 3116.76 \text{ mm Hg}\end{aligned}$$

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

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



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 ($T_{mold} = 170 \text{ }^\circ\text{C}$) and the minimum temperature reached during temperature cycling, (T_{min}).

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

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.

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

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.

$$DF \text{ (between 125C and 150C)} = \exp \left(\frac{0.7}{k} \left(\frac{1}{150 + 15 + 273} - \frac{1}{125 + 15 + 273} \right) \right) = 0.326$$

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)

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



From: 4/2/2011

To: 04/01/2012

Summary Detail -- EFR Performance Over Time

TECHNOLOGY	DIVISION	EVALNUM	TV	DEVICE	TEMP	VOLT	READOUT	DURATION	SS	REJECT	FA	COMMENTS
LL65												
	MPD	102201	R4A	7C4S1472AO	125	2.05	96	96	59	0		
	MPD	111807	R2	7C1420KO	125	2.07	96	96	2790	0		
	MPD	111807	R3	7C1420KO	125	2.07	96	96	4069	0		
	MPD	111807	R3	7C1420KO	125	2.07	96	96	120	0		
	MPD	112506	R1	7C1420KO-**RABBC	125	2.07	96	96	3513	0		
	MPD	112506	R1A	7C1420KO-**RABBC	125	2.07	96	96	3577	0		
	MPD	112506	R2	7C1420KO-**RABBC	125	2.07	96	96	2454	0		
	MPD	112506	R3	7C1420KO-**RABBC	125	2.07	96	96	1106	0		
	MPD	113301	R3-Split 1	C1514KV18-250BZXC	125	2.05	96	96	1617	0		
	MPD	113301	R3-Split 2	C1514KV18-250BZXC	125	2.05	96	96	4204	0		
	MPD	113301	R3-Split 3	C1514KV18-250BZXC	125	2.05	96	96	118	0		
	MPD	113301	R3-Split 4	C1514KV18-250BZXC	125	2.05	96	96	113	0		
	MPD	MR112071	R1	CY7C1512KV18-250BZXC	125	2.05	96	96	7400	0		
	DCD	113007	R1	CY7C1512KO	125	1.95	96	96	1500	0		



DCD	102402	R1-Split 1	CYUSB3014-BZXIES	125	3.3	96	96	1304	0		
DCD	102402	R1- Split 2	CYUSB3014-BZXIES	125	3.3	96	96	1305	0		
DCD	102402	R1-Split 3	CYUSB3014-BZXIES	125	3.3	96	96	586	0		
DCD	102402	R2-Split 1	CYUSB3014-BZXIES	125	3.795	96	96	1121	0		
DCD	102402	R2- Split 2	CYUSB3014-BZXIES	125	3.795	96	96	1305	0		
DCD	102402	R2- Split 3	CYUSB3014-BZXIES	125	3.795	96	96	944	0		
DCD	102402	R3- Split 1	CYUSB3014-BZXIES	125	3.795	96	96	1305	0		
DCD	102402	R3- Split 2	CYUSB3014-BZXIES	125	3.795	96	96	1214	0		
DCD	102402	R4	CYUSB3014-BZXIES	125	3.795	96	96	1008	0		
MPD	112604	R1-Split1	7C1570QXO-**RABWC	125	5.0	96	96	1187	0		
MPD	112604	R1-Split2	7C1570QXO-**RABWC	125	5.0	96	96	1097	0		
MPD	112604	R1-Split3	7C2565QXO-**RABWC	125	5.0	96	96	411	1	SABH-113	No Visual Defect
MPD	112604	R1-Split4	7C1570QXO-**RABWC	125	5.0	96	96	428	0		
MPD	112604	R1-Split5	7C1570QXO-**RABWC	125	5.0	96	96	533	0		
MPD	112604	R1-Split6	7C1570QXO-**RABWC	125	5.0	96	96	508	0		
MPD	112604	R2	7C2565QXO-**RABWC	125	5.0	96	96	2880	0		
MPD	MR114084	R1	CY7C1312KV18- 250BZXC	125	5.0	96	96	2485	0		
MPD	MR114084	R1	CY7C1312KV18- 250BZXC	125	5.0	96	96	3400	0		
MPD	MR121071	R1	CY7C1512KV18- 250BZXC	125	5.0	96	96	3400	0		
MPD	MR121071	R1	CY7C1512KV18- 250BZXC	125	5.0	96	96	3217	0		
MPD	MR113063	R4	CYUSB3014-BZXIES	125	3.8	96	96	1008	0		



MPD	MR113063	R3	CY7C12501KV18-400BZC	125	1.95	48	48	1780	0
Summary for Technology: LL65		36	records						
Sum								65,066	1
C9									
MPD	110101	R1	CY7C1041DV33-10ZSXI	150	3.7	48	48	5250	0
MPD	MR113041	R1	CY7C1041DV33-10ZSXI	150	3.77	48	48	5400	0
MPD	104606	R1	CYRS1049DV33	150	3.77	48	48	1606	0
MPD	104606	R2	CYRS1049DV33	150	3.77	48	48	3197	0
MPD	113303	R1	CY7C1081DV33-12BAXI	110	3.5	48	48	130	0
MPD	113303	R3	CY7C1081DV33-12BAXI	110	3.5	48	48	130	0
MPD	113201	R11	7A1221NC-**RZWE	125	2.5	48	48	8106	0
MPD	113201	R12	7A1221NC-**RZWE	125	2.5	48	48	9472	0
MPD	MR121088	R1	7C1071NC-**GBKI	125	3.77	96	96	140	0
MPD	MR113093	R1	CY7C1041DV33-10ZSXI	150	3.77	48	48	7227	0
MPD	MR113094	R1	7M1043NC-**RZWMB	150	3.77	48	48	3197	0
MPD	MR113094	R2	7M1043NC-**RZWMB	150	3.77	48	48	1606	0
MPD	MR114098	R1	7C1081NC-**GQBKIB	110	3.5	168	168	765	0
MPD	MR113097	R1	7C13511NC-**GZWIB	125	3.77	96	96	1118	0
MPD	MR113097	R2	7C13511NC-**GZWIB	125	3.77	96	96	1378	0
Summary for Technology: C9		15	records						
Sum								48,722	0



CCD	104407	R1-Split 4	CY8C20566A-12PVXE	150	2.1	24	24	357	0
CCD	104407	R1-Split 5	CY8C20566A-12PVXE	150	2.1	24	24	357	0
CCD	104407	R1-Split 6	CY8C20566A-12PVXE	150	2.1	24	24	594	0
CCD	104407	R1-Split 7	CY8C20566A-12PVXE	150	2.1	24	24	714	0
CCD	104407	R1-Split 8	CY8C20566A-12PVXE	150	2.1	24	24	440	0
CCD	104407	R2-Split 1	CY8C20566A-12PVXE	150	2.1	24	24	424	0
CCD	104407	R2-Split 2	CY8C20566A-12PVXE	150	2.1	24	24	864	0
CCD	104407	R2-Split 3	CY8C20566A-12PVXE	150	2.1	24	24	864	0
CCD	104407	R2-Split 4A	CY8C20566A-12PVXE	150	2.1	24	24	864	0
CCD	104407	R2-Split 5	CY8C20566A-12PVXE	150	2.1	24	24	584	0
CCD	104407	R3-Split 1	CY8C20566A-12PVXE	150	2.1	24	24	356	0
CCD	104407	R3-Split 2	CY8C20566A-12PVXE	150	2.1	24	24	984	0
CCD	104407	R3-Split 3	CY8C20566A-12PVXE	150	2.1	24	24	984	0
CCD	104407	R3-Split 4	CY8C20566A-12PVXE	150	2.1	24	24	535	0
CCD	104407	R3-Split 5	CY8C20566A-12PVXE	150	2.1	24	24	449	0
CCD	104407	R3-Split 6	CY8C20566A-12PVXE	150	2.1	24	24	301	0
CCD	104407	R1	CY8C20566A-12PVXE	150	2.1	48	48	80	0
CCD	104407	R2	CY8C20566A-12PVXE	150	2.1	48	48	80	0
CCD	104407	R3	CY8C20566A-12PVXE	150	2.1	48	48	80	0
CCD	105201	R3	CY8C20566A-12PVXE	150	2.1	24	24	800	0
CCD	110905	R1	CY8C5588AXI-060ES1	150	2.07	48	48	999	0



CCD	110905	R1	CY8C5588AXI-060ES1	150	2.07	72	72	4	0
CCD	110905	R1	CY8C5588AXI-060ES1	150	2.07	72	72	2	0
CCD	110905	R1	CY8C5588AXI-060ES1	125	6	96	96	49	0
CCD	110905	R3-Split 1	CY8C5588AXI-060ES1	150	2.07	48	48	872	0
CCD	110905	R3-Split 2	CY8C5588AXI-060ES1	150	2.07	48	48	117	0
CCD	110905	R1	CY8C5588AXI-060ES1	150	2.07	72	72	1	0
CCD	110905	R4	CY8C5568AXI-060	150	2.07	48	48	1024	0
CCD	112105	R3	CY8CTMA301E5-48LQXI	150	2.07	48	48	1500	0
CCD	113002	R1	CY8C3866AXI-040	150	2.07	48	48	1489	0
CCD	MR104040	R1A	CY8CTMG200-32LQXI	150	2.1	48	48	251	0
CCD	MR104081	R1	CY8CTST200A-32LQXIES	150	2.1	72	72	327	0
CCD	MR102075	R1	CY8C20466-24LQXI	150	2.1	72	72	109	0
CCD	MR102075	R1B	CY8C20466-24LQXI	150	2.1	120	120	959	0
CCD	MR102075	R1C-Split 1	CY8C20466-24LQXI	150	2.1	48	48	399	0
CCD	MR102075	R1D	CY8C20466-24LQXI	150	2.1	48	48	475	0
CCD	MR102075	R1E-Split 1	CY8C20466-24LQXI	150	2.1	48	48	1439	0
CCD	MR102075	R1E-Split 2	CY8C20466-24LQXI	150	2.1	48	48	521	0
MPD	MR111078	R1	7C1404B6CC	150	5.0	96	96	621	0
CCD	MR112061	R3	CY8CTMA340-48LQI-01	150	2.07	72	72	169	0
CCD	MR112061	R4	CG7382AMT	150	2.07	48	48	193	0
CCD	MR112061	R4	CG7382AMT	150	2.07	48	48	480	0



CCD	113211	R1-Split 1	CY8CTMA340-48LQI-09	150	2.07	48	48	485	0
CCD	113211	R1-Split 2	CY8CTMA340-48LQI-09	150	2.07	48	48	486	0
CCD	113211	R1-Split 3	CY8CTMA340-48LQI-09	150	2.07	48	48	412	0
CCD	113211	R2- Split 1	CY8CTMA340-48LQI-09	150	2.07	48	48	520	0
CCD	113211	R2- Split 2	CY8CTMA340-48LQI-09	150	2.07	48	48	518	0
CCD	113211	R2- Split 3	CY8CTMA340-48LQI-09	150	2.07	48	48	418	0
CCD	113211	R2- Split 4	CY8CTMA340-48LQI-09	150	2.07	48	48	102	0
MPD	113302	R1	CY8C20236A-24LKXA	150	2.1	48	48	625	0
MPD	113302	R3	CY8C20236A-24LKXA	150	2.1	24	24	910	0
MPD	113302	R2- Split 1	CY8C20236A-24LKXA	150	2.1	48	48	726	0
MPD	113302	R2	CY8C20236A-24LKXA	150	2.1	24	24	181	0
CCD	113905	R1- Split 1	CY8CTMA443-48LQIES2	150	5.75	48	48	791	0
CCD	113905	R1- Split 2	CY8CTMA443-48LQIES2	150	5.75	48	48	701	0
CCD	113905	R1A- Split 1	CY8CTMA463-48LQIES2	150	5.75	48	48	840	1
CCD	113905	R1A- Split 2	CY8CTMA463-48LQIES2	150	5.75	48	48	234	1
CCD	113905	R1B	CY8CTMA400-48LQIES2	150	5.75	48	48	418	1
CCD	113905	R2- Split 1	CY8CTMA443-48LQIES2	150	5.75	48	48	847	0
CCD	113905	R2- Split 2	CY8CTMA443-48LQIES2	150	5.75	48	48	653	0
CCD	113905	R3A	CY8CTMA443-48LQIES	150	5.75	48	48	45	0
CCD	113905	R4-Split 1	CY8CTMA443-48LQIES	150	5.75	48	48	56	0
CCD	113905	R4-Split 2	CY8CTMA443-48LQIES	150	5.75	48	48	944	0

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(CAR 201201012)



CCD	113905	R5A	CY8CTMA443-48LQIES	150	5.75	48	48	500	0
CCD	114110	R1B	CY8C5568AXI-060	150	2.07	48	48	118	0
CCD	114110	R2B	CY8C5568AXI-060	150	2.07	48	48	1443	0
CCD	114003	R1A-Split 1	CY8C20467-24LQXI	150	2.1	48	48	824	0
CCD	114003	R1A-Split 2	CY8C20467-24LQXI	150	2.1	48	48	676	0
CCD	114103	R2-Split 1	CY8CTMA340-48LQI-09	150	2.07	48	48	515	0
CCD	114103	R2-Split 2	CY8CTMA340-48LQI-09	150	2.07	48	48	514	0
CCD	114103	R2-Split 3	CY8CTMA340-48LQI-09	150	2.07	48	48	514	0
CCD	MR111068	R1	8C20323DC-**RALQI	150	5.75	48	48	155	0
CCD	MR112062	R1	CY8C20466A-24LQXI	125	2.1	48	48	1510	0
CCD	MR113061	R6	8C20401AC-**RALQI	150	5.75	48	48	556	0
CCD	MR113096	R1	CY8C5568AXI-060	150	6.0	48	48	54	0
CCD	MR114049	R1-Split 1	CY8CTMA443-48LQIES2	150	5.75	48	48	847	0
CCD	MR114049	R1-Split 2	CY8CTMA443-48LQIES2	150	5.75	48	48	653	0
CCD	MR114099	R1	CY8C3866AXI-040	150	2.07	48	48	1592	0
CCD	MR121089	R1	CY8C3446AXI-099	150	2.07	48	48	977	0
CCD	MR112090	R1-Split 1	CY8C20466A-24LQXIES1	150	2.1	48	48	1369	0
CCD	MR112090	R1-Split 2	CY8C20466A-24LQXIES1	150	2.1	48	48	84	0
CCD	MR112090	R1-Split 3	CY8C20466A-24LQXIES1	150	2.1	48	48	47	0
CCD	MR121065	R2	CY8CTMA463-48LQI	150	2.07	48	48	646	0
CCD	MR121065	R3-Split 1	CY8CTMA443-48LQI	150	2.07	48	48	844	0



MPD	MR104077	R1	7A62157FC	125	2.2	24	24	14589	0
MPD	MR111077	R1	CY62146ESL-45ZSXI	125	1.85	96	96	5260	0
MPD	111605	R1	CY621675EV30LL-45BVXI	125	1.85	96	96	2996	0
MPD	104104	R1	7A62157FC	150	1.85	72	72	6055	0
MPD	104104	R2	7A62157FC	150	1.85	48	48	4220	0
Summary for Technology: R95		6	records						

Sum **36,631** **0**

R9

MPD	112003	R1A	CY7C1460AV33-167AXC	150	2.25	48	48	1787	0
MPD	112003	R2	CY7C1460AV33-167AXC	150	2.25	48	48	1935	0
MPD	112003	R2A-Split 1	CY7C1460AV33-167AXC	150	2.25	48	48	384	0
MPD	112003	R2A-Split 2	CY7C1460AV33-167AXC	150	2.25	48	48	903	0
MPD	112003	R2A-Split 3	CY7C1460AV33-167AXC	150	2.25	48	48	308	0
MPD	112003	R3A	CY7C1460AV33-167AXC	150	2.25	48	48	1636	0
MPD	MR113070	R1A	CY7C1350G-200AXC	150	2.25	48	48	300	0
MPD	MR113070	R1	CY7C1350G-200AXC	150	2.25	48	48	10080	0
MPD	MR114054	R1	CY7C1460AV33-167AXI	150	2.25	48	48	797	0
MPD	103005	R1	CYRS1545AV18-250GC	150	5.0	1000	1000	45	0
Summary for Technology: R9		10	records						

Sum **18,175** **0**

R7



Sum

8,696 0

R52

MPD	111804	R2	7A1021SFC	150	3.8	24	24	792	0
MPD	MR112076	R1	CY7C1399BN-12VXI	150	3.8	48	48	300	0
MPD	MR112076	R2	CY7C1399BN-15VXA	150	3.8	48	48	144	0
MPD	MR112076	R3	CY7C1399BN-15VXA	150	3.8	48	48	1558	0
MPD	MR112076	R4	CY7C1399BN-15VXA	150	3.8	48	48	69	0
MPD	MR112076	R5	CY7C1399BN-15VXA	150	3.8	48	48	346	0
MPD	MR112076	R6	CY7C1399BN-15VXA	150	3.8	48	48	3000	0

Summary for Technology: R52 7 records

Sum

6,209 0

L8

MPD	111001	R1- Split 1	CY5077SXC	150	2	48	48	605	0
MPD	111001	R1- Split 2	CY5077SXC	150	2	48	48	604	0
MPD	111001	R1- Split 3	CY5077SXC	150	2	48	48	290	0

Summary for Technology: L8 3 records

Sum

1,499 0

B53

DCD	114004	R4-Split 1	CYRF6936-40LTXCKG	125	3.8	96	96	499	0
DCD	114004	R4-Split 2	CYRF6936-40LTXCKG	125	3.8	96	96	500	0
DCD	114004	R5-Split 1	CYRF6936-40LTXCKG	125	3.8	96	96	500	0



DCD	114004	R5-Split 2	CYRF6936-40LTXCKG	125	3.8	96	96	500	0
Summary for Technology: B53		4	records						
Sum								1,999	0



Summary Detail -- LFR Performance Over Time

TECHNOLOGY	DIVISION	EVALNUM	TV	DEVICE	TEMP	VOLT	READOUT	DURATION	SS	REJECT	FA	COMMENTS
R42												
	MPD	MR111063	R1	CY62256NLL-55SNXI	125	5.75	1000	1000	300	0		
Summary for Technology: R42			1	records								
Sum									300	0		
R8												
	MPD	MR111059	R1	CY62157DV30LL-55BVIT	125	2.4	1000	1000	298	0		
	MPD	MR104055	R1A	CY621675EV30LL-45BVXI	125	2.4	168	168	470	0		
Summary for Technology: R8			2	records								
Sum									768	0		
C8												
	MPD	111803	R1	CY7C68320C-100AXA	150	3.8	408	408	80	0		
	MPD	111803	R2	CY7C68320C-100AXA	150	3.8	408	408	80	0		
	MPD	111803	R3	CY7C68320C-100AXA	150	3.8	408	408	80	0		
	DCD	MR104085	R1	CYWB0224ABS-BVXI	125	3.8	1000	1000	498	0		
	DCD	MR111066	R1	CYWB0224ABS-BVXI	125	3.8	1024	1000	426	0		
	MPD	MR112074	R1	CYWB0124AB-BVXI	125	3.8	1000	1000	278	0		
	MPD	MR112075	R1	CYWB0124AB-BVXI	125	3.8	1000	100	297	0		
Summary for Technology: C8			7	records								



Sum

1,739 0

LL65

MPD	102201	R3	7C4S1472AO	125	1.6	1000	1000	177	0
MPD	102201	R4	7C4S1472AO	125	1.6	1000	1000	177	0
DCD	102402	R1	CYUSB3014-BZXIES	125	3.3	1000	1000	175	0
DCD	102402	R2	CYUSB3014-BZXIES	125	3.3	1000	1000	180	0
DCD	102402	R3	CYUSB3014-BZXIES	125	3.795	1000	1000	180	0
DCD	MR112071	R1	CY7C1512KV18-250BZXC	125	2.05	1000	1000	299	0
DCD	112604	R1A-Split 1	CY7C2565XV18-633BZXC	125	1.95	168	168	118	0
DCD	112604	R1A-Split 2	CY7C2565XV18-633BZXC	125	1.95	216	216	58	0
DCD	MR113063	R1A	CY7C1512KV18-250BZXI	125	2.05	168	168	300	0
MPD	MR113063	R3	CY7C12501KV18-400BZC	125	1.95	596	596	1772	0

Summary for Technology: LL65

10 records

Sum

3,436 0

C9

MPD	113303	R1	CY7C1081DV33-12BAXI	110	3.5	1000	1000	127	0
MPD	113201	R11	7A1221NC	125	2.5	1000	1000	100	0
MPD	113201	R12	7A1221NC	125	2.5	1000	1000	95	0
MPD	110101	R1	CY7C1041DV33-10ZSXI	150	3.77	48	48	178	0
MPD	MR104054	R1	CY7C1041DV33-10ZSXI	150	3.77	80	80	300	0
MPD	MR111073	R2	CY7C1041DV33-10ZSXI	150	3.77	80	80	373	0



MPD	MR113041	R1	CY7C1041DV33-10ZSXI	150	3.77	80	80	300	0
MPD	MR112070	R1	7C1081NC-**GQBKIB	110	3.77	1500	1500	828	0
MPD	MR112089	R1	7C1081NC-**GQBKIB	110	3.5	1000	1000	160	0
MPD	MR114098	R1	7C1081NC-**GQBKIB	110	3.5	1024	1024	759	0

Summary for Technology: C9 10 records

Sum 3220 0

R9

MPD	MR103082	R1	7C1380XC	150	2.25	500	500	299	0
MPD	MR112079	R1	CY7C1515JV18-333BZI	125	5.0	5500	5500	50	0
MPD	MR112079	R2	CY7C1570V18-375BZC	125	5.0	4500	4500	50	0
MPD	MR112079	R3	CY7C1515JV18-333BZI	125	5.0	3500	3500	48	0
MPD	MR113070	R1A	CY7C1350G-200AXC	150	2.25	500	500	300	0

Summary for Technology: R9 5 records

Sum 747 0

R52

MPD	111804	R2	7A1021SFC	150	3.8	408	408	80	0
MID	MR112076	R1	CY7C1399BN-12VXI	150	3.8	548	548	287	0
MPD	MR112076	R2	CY7C1399BN-15VXA	150	3.8	80	80	141	0
MPD	MR112076	R4	CY7C1399BN-15VXA	150	3.8	80	80	67	0
MPD	MR112076	R5	CY7C1399BN-15VXA	150	3.8	80	80	334	0

Summary for Technology: R52 5 records



Sum

909

0

S8

MPD	104407	R1	CY8C20566A-12PVXE	150	2.1	432	432	80	0
MPD	104407	R2	CY8C20566A-12PVXE	150	2.1	432	432	80	0
MPD	104407	R3	CY8C20566A-12PVXE	150	2.1	432	432	80	0
DCD	104703	R1	CYONSFN3000-LBXC	150	2	500	500	234	0
MPD	105201	R3	CY8C20566A-12PVXE	150	2.1	408	408	80	0
CCD	110905	R1	CY8C5588AXI-060ES1	150	2.07	524	524	116	0
CCD	110905	R3	CY8C5588AXI-060ES1	150	2.07	524	524	116	0
CCD	112105	R3	CY8CTMA301E5-48LQXI	150	2.07	500	500	116	0
CCD	113002	R1	CY8C3866AXI-040	150	2.07	500	500	116	0
CCD	MR111068	R1	CY8C20466-24LQXI	150	2.1	500	500	755	0
CCD	113905	R4	CY8CTMA443-48LQIES	150	2.07	500	500	116	0
CCD	102204	R2F	CY14B101Q2A-SXI	150	3.0	168	168	130	0
CCD	102204	R3	CY14MB064Q2A-SXIES	150	3.0	168	168	194	0
CCD	102204	R3A	CY14MB064J2-SXIES	150	3.0	80	80	1442	0
CCD	102204	R4	CY14B101Q1A-SXIES	150	3.0	168	168	128	0
CCD	102204	R4B	CY14ME064Q2A-SXIES	150	5.0	168	168	187	0
CCD	102204	R5	CY14ME064Q2A-SXI	150	5.0	80	80	130	0
CCD	114110	R1B	CY8C5568AXI-060	150	2.07	500	500	117	0
CCD	113211	R1	CY8CTMA340-48LQI-09	150	2.07	80	80	474	0



CCD	114103	R2	CY8CTMA340-48LQI-09	150	2.07	168	168	130	0
CCD	MR104081	R1	CY8CTST200A-32LQXIES	150	2.1	80	80	323	0
CCD	MR104040	R1A	CY8CTMG200-32LQXI	150	2.1	152	152	251	0
CCD	NR121001	R1	CY8C20236A-24LKXI	150	2.1	80	80	80	0
CCD	MR113061	R6	8C20401AC-**RALQI	150	5.75	80	80	552	0
CCD	MR113096	R1	CY8C3866AXI-040	150	2.07	500	500	142	0

Summary for Technology: S8 25 records

Sum 6,169 0

S4

MPD	105201	R1	CY8C29666-12PVXE	125	5.5	1000	1000	80	0
MPD	105201	R2	CY8C21645-12PVXE	125	5.5	1000	1000	80	0
DCD	111812	R2	CY7C60323-LTXC	125	5.5	1000	1000	116	0
CCD	MR102077	R1	CY8C24533-24PVXI	125	5.5	1144	1144	298	0
CCD	MR111062	R1	CG7264AM	125	5.25	1000	1000	298	0
CCD	111402	R1	CY8C29466-24PVXI	125	5.5	1024	1024	116	0
CCD	MR112041	R1	CY8C24533-24PVXI	125	5.5	1000	1000	300	0
CCD	MR113044	R1	CY8C24423A-24PVXI	125	5.5	1000	1000	329	0
CCD	MR113042	R1	CY8C24533-24PVXI	125	5.5	1000	1000	299	0
CCD	MR114052	R1	CP6832AMT	125	5.5	192	192	300	0
CCD	MR104039	R1	CY8C24533-24PVXI	125	5.5	480	480	760	0

Summary for Technology: S4 11 records



Sum **2,976** **0**

R95

MPD	111410	R2	7A62126FC	150	1.85	408	408	80	0
MPD	111410	R3	7A62126FC	150	1.85	408	408	80	0
MPD	111701	R3B	CY621675EV30LL-45BVXI	125	1.85	1000	1000	400	0
MPD	MR103078	R1	7A62157FC	125	1.85	1000	1000	282	0
M	MR111077	R2	CY62146EV30LL-45ZSXI	125	1.85	168	168	300	0

Summary for Technology: R95 **5** **records**

Sum **1,142** **0**

R7

MPD	111410	R1	7A134101FC	150	2.3	408	408	79	0
MPD	111804	R1	7A134101FC	150	2.3	408	408	80	0
MPD	111804	R3	7A122101GC	150	2.3	408	408	78	0
MPD	MR114060	R1	CY7C1049CV33-10VXCT	150	2.3	500	500	299	0

Summary for Technology: R7 **4** **records**

Sum **536** **0**



Summary Detail -- DRET Performance Over Time

TECHNOLOGY	DIVISION	EVALNUM	TV	DEVICE	TEMP	VOLT	READOUT	DURATION	SS	REJECT	FA	COMMENTS	
S4													
	CCD	MR101052	R1	CY8C27243-24PVXIT	175	0	3500	3500	76	0			
	CCD	MR102072	R1	CY8C27443-24PVXIT	175	0	3500	3500	80	0			
	CCD	MR102077	R1	CY8C24533-24PVXI	175	0	2000	2000	80	0			
	CCD	MR104039	R1	CY8C24533-24PVXI	150	0	1024	1024	80	0			
	CCD	MR111062	R1	CG7264AM	150	0	3500	3500	80	0			
	CCD	MR111062	R1	CG7264AM	175	0	3500	3500	80	0			
	CCD	MR112055	R1	CY8C29466-24PVXI	175	0	1000	1000	80	0			
	CCD	MR112055	R1	CY8C29466-24PVXI	150	0	1000	80	80	0			
	CCD	MR113027	R1	CY8C24533-24PVXI	150	0	1000	80	80	0			
	CCD	MR104039	R1	CY8C24533-24PVXI	175	0	1024	1024	80	0			
	CCD	MR112041	R1	CY8C24533-24PVXI	150	0	1000	1000	80	0			
	CCD	MR113027	R1	CY8C24533-24PVXI	175	0	2000	2000	80	0			
Summary for Technology: S4			12	records									
Sum									956	0			
S8													
	MPD	104407	R1	CY8C20566A-12PVXE	150	0	1000	1000	80	0			
	MPD	104407	R2	CY8C20566A-12PVXE	150	0	1000	1000	80	0			
	MPD	104407	R3	CY8C20566A-12PVXE	150	0	1000	1000	80	0			
	DCD	104703	R1	CYONSFN3000-LBXC	150	0	1500	1500	77	0			
	CCD	110905	R1	CY8C5588AXI-060ES1	150	0	1000	1000	77	0			
	CCD	110905	R3	CY8C5588AXI-060ES1	150	0	1000	1000	80	0			
	CCD	MR094068	R1	CY8CTMG200-32LQXI	150	0	3500	3500	75	0			



CCD	MR102075	R1A	CY8C20466-24LQXI	175	0	3500	3500	75	0
CCD	MR102076	R1	CY8C20466-24LQXI	175	0	3500	3500	76	0
CCD	MR103067	R1	CY8CTMG200-32LQX	175	0	3500	3500	78	0
CCD	MR104040	R1	CY8CTMG200-32LQXI	150	0	1000	1000	80	0
CCD	MR104040	R1	CY8CTMG200-32LQXI	175	0	3500	3500	80	0
CCD	MR111068	R1	CY8C20466-24LQXI	150	0	3500	3500	73	0
CCD	MR113082	R1	CY8C20436A-24LQXIT	150	0	1000	1000	80	0
CCD	MR111068	R1	CY8C20466-24LQXI	175	0	3500	3500	78	0
CCD	MR111079	R1	CY8C20446A-24LQXIT	150	0	2000	2000	80	0
CCD	MR111079	R1	CY8C20446A-24LQXIT	150	0	1000	1000	80	0
CCD	MR112062	R1	CY8C20446A-24LQXIT	150	0	2000	2000	80	0
CCD	MR112062	R1	CY8C20446A-24LQXIT	175	0	2000	2000	79	0
CCD	MR113082	R1	CY8C20436A-24LQXIT	175	0	1000	1000	80	0
CCD	MR114086	R1	CY8C20446A-24LQXIT	150	0	1000	1000	77	0
CCD	MR114087	R1	CY8C20446A-24LQXIT	150	0	1000	1000	72	0
Summary for Technology: S8		22	records						
Sum								1,717	0



FROM: 4/2/2011
TO: 04/01/2012

Summary Detail -- HAST Performance Over Time

BUILDKIT	ASSY SITE	EVALNUM	TV	DEVICE	TEMP	VOLT	READOUT	SS	REJECT	FA	COMMENTS
UFBGA (Pb-free)											
BU84AAAAAL	G	121302	R1	CY8CTMA1036BUI-33ES2	130	5.5	128	77	0		
Summary for Package Family: UFBGA (Pb-free)			1	records							
Sum								77	0		
FBGA (0.75-0.8, 0.3mm, Pb-free)											
BK121AGAGL	RA	110501	R1	7C07101B	110	3.63	264	81	0		
BK48DJALL	G	MR112036	R1	CY62177DV30LL-55BAXI	110	3.6	264	30	0		
BK121BGAGL	RA	102402	R1	CYUSB3014-BZXIES	130	3.63	128	78	0		
BK121BGAGL	RA	102402	R2	CYUSB3014-BZXIES	130	3.63	128	81	0		
BK121BGAGL	RA	102402	R2	CYUSB3014-BZXIES	130	3.63	256	81	0		
BK48DZAAAL	G	113303	R1	CY7C1081DV33-12BAXI	110	3.65	264	80	0		
BK48DLBLL	G	MR113033	R1	CY62187EV30LL-55BAXI	110	3.6	264	30	0		
Summary for Package Family: FBGA (0.75-0.8, 0.3mm, Pb-free)			7	records							
Sum								461	0		
FBGA (1.0-1.27)											
BB165AVLE	RA	MR114038	R1	CY7C1305TV25-167BZC	110	1.95	264	30	0		
BB165RNALE	RA	MR114058	R1	CY7C1312KV18-250BZC	130	1.95	128	30	0		
Summary for Package Family: FBGA (1.0-1.27)			2	records							



Sum							60	0		
FBGA (1.0-1.27, Pb-free)										
BW209FAALL	GQ	102201	R3	7C4S1472AO	110	2.05	264	72	0	
BW209FAALL	GQ	102505	R3	7C4S1472AO-	110	2.05	264	72	0	
BW209FAALL	GQ	102505	R5	CYF0072V33L-133BGXI	110	2.05	264	76	0	
BW165BUALL	G	113007	R1	CY7C1512KO	110	1.95	264	78	0	
BW165BUALL	G	113007	R2	CY7C1512KO	130	1.95	128	80	0	
BW165RJALL	RA	MR113074	R1	CY7C1412KV18-250BZXI	130	1.95	128	30	0	
BW165RJALL	RA	MR114039	R1	CY7C1412KV18-250BZXI	130	1.95	128	29	0	
Summary for Package Family: FBGA (1.0-1.27, Pb-free)			7	records				437	0	
Sum							437	0		
PDIP (Pb-Free)										
PZ243AAAGN	X	MR113012	R1	CY7C63743C-PXC	130	5.5	128	30	0	
PZ183DPBGN	RA	MR111054	R1	CS6632AF	130	5.5	128	30	0	
PZ183DPDGN	RA	MR113011	R1	CY7C63723C-PXC	130	5.5	128	30	0	
PZ183EAAGN	X	MR114021	R1	CY7C63723C-PXC	130	5.5	128	30	0	
PZ183DPDGN	RA	MR121012	R1	CP6238BM	130	5.5	128	30	0	
PZ243AAAGN	X	MR112053	R1	CY7C63743C-PXC	130	5.5	128	30	0	
Summary for Package Family: PDIP (Pb-Free)			6	records				180	0	
Sum							180	0		
PLCC (Pb-Free)										
JZ32RBGAN	M	MR112030	R1	CY7B991V-2JXCT	130	3.6	128	30	0	
JZ32RBGAN	M	MR113005	R1	CY7B991V-5JXC	130	3.6	128	30	0	
Summary for Package Family: PLCC (Pb-Free)			2	records				60	0	
Sum							60	0		



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

LG16AQAAAL	G	112603	R1	CY8C20236A-24LKXI	130	5.25	128	79	0
LG16ABAALL	L	113302	R1	CY8C20236A-24LKXA	130	5.25	96	78	0
LG16ABAALL	L	113302	R2	CY8C20236A-24LKXA	130	5.25	96	78	0
LG16ABAALL	L	113302	R3	CY8C20236A-24LKXA	130	5.25	128	79	0
LG16AAAAL	MB	MR112021	R1	CY8C20236A-24LKXIT	130	5.25	128	28	0
LG16ABAALL	L	NR111001	R1	CY8C20236A-24LKXIKL	130	5.25	128	29	0
LG16ABAALL	L	NR111001	R2	CY8C20236A-24LKXIKL	130	5.25	128	30	0
LG16ABAALL	L	NR111001	R3	CY8C20236A-24LKXIKL	130	5.25	128	29	0
LG16AAAAL	MB	NR111002	R1	CY8C20236A-24LKXI	130	5.25	128	30	0
LG16AAAAL	MB	NR111002	R2	CY8C20236A-24LKXI	130	5.25	128	30	0
LG16AAAAL	MB	NR111002	R3	CY8C20236A-24LKXI	130	5.25	128	30	0
LG16AQAAAL	G	114903	R1	CY8C20236A-24LKXI	130	5.25	128	79	0
LG16AQAAAL	G	114903	R4	CY8C20224-12LKXI	130	5.25	128	79	0
LG16AQAAAL	G	114903	R4	CY8C20224-12LKXI	130	5.25	192	39	0
LG16AQAAAL	G	114903	R5	CY8C20110-LDX2I	130	5.25	128	79	0
LG16AQAAAL	G	114903	R5	CY8C20110-LDX2I	130	5.25	192	40	0
LG16ABAALL	L	MR112052	R1	CP7194FT	130	5.25	128	29	0
LG16ABAALL	L	MR113029	R1	CS7412AT	130	5.25	128	30	0
LG16AEAAAL	MB	MR113019	R1	CY8C20236A-24LKXIT	130	5.25	128	29	0

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

19 records

Sum

924 0

QFN (Punch Type, Pb-Free)

LY24BGAGL	L	MR112059	R1	CY8C21323-24LFXIT	130	5.25	128	30	0
LY24BGAGL	L	MR113040	R1	CY8C21323-24LFXIT	130	5.25	128	30	0
LY56AGAGL	L	MR114036	R1	CY7C65630-56LFXA	130	3.63	96	30	0



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

3 records

Sum 90 0

QFN (Saw Type, Pb-Free)

LT68ADAAGL	RA	110905	R1C	CY8C5588LTI-114ES1	130	5.5	128	28	0
LT68ADAAGL	RA	110905	R1D	CY8C5588LTI-114ES1	130	5.5	128	22	0
LT68ADAAGL	RA	110905	R5	CY8C5568LTI-114	130	5.5	128	55	0
LT40ABAAAL	G	111812	R1	CYRF6936B-40LTXC	130	3.63	128	77	0
LT32BBAAAL	G	111812	R2	CY7C60323-LTXC	130	5.25	128	78	0
LT56YAAAAL	G	111816	R1	CY7C65640A-LSXC	130	3.5	128	80	0
LT68YAAAAL	G	111816	R2	CY8CLED04-68LTXI	130	5.25	128	79	0
LQ36AQAAAL	G	112104	R3	CY8CTMA340-LQI-01	130	5.5	128	79	0
LQ56AQAAAL	G	112105	R1	CY8C24794-24LQXI	130	5.25	128	80	0
LQ36AQAAAL	G	112106	R5	CY8CTMA340-LQI-01	130	5.5	128	79	0
LT48CQAAAL	G	112107	R2	CYWUSB6934-48LTXC	130	3.63	128	77	0
LQ36AQAAAL	G	112108	R5	CY8CTMA340-LQI-01	130	5.5	128	79	0
LT88AAAAAL	RA	113002	R1B	CY8CTMA884LTI-13ES	130	5.5	128	75	0
LT88AAAAAL	RA	113002	R1B	CY8CTMA884LTI-13ES	130	5.5	256	75	0
LT88AAAAAL	RA	113002	R2	CY8CTMA884LTI-13ES	130	5.5	128	76	0
LT88AAAAAL	RA	113002	R2	CY8CTMA884LTI-13ES	130	5.5	256	75	0
LT88AAAAAL	RA	113002	R3A	CY8CTMA884LTI-13ES	130	5.5	128	80	0
LT88ABAAAL	K	113802	R7	CY8CTMA884LTI-13ES	130	5.5	128	80	0
LT88ABAAAL	K	113802	R8	CY8CTMA884LTI-13ES	130	5.5	128	78	0
LQ32EPDAGL	RA	MR112023	R1	CY8C20446A-24LQXIT	130	5.25	128	30	0
LT56BDAAGL	AE	MR112027	R1	CY7C64215-56LTXC	130	5.25	128	30	0
LQ48AAAAAL	R	MR113039	R1	CY8CTMA340-48LQI-01	130	5.5	128	30	0
LT88AAAAAL	RA	113002	R3A	CY8CTMA884LTI-13ES	130	5.5	256	79	0
LQ48AAAAAL	RA	113211	R1	CY8CTMA340-48LQI-09	130	4	128	80	0



LQ48AQAAAL	G	113905	R3	CY8CTMA443-48LQIES	130	5.5	128	80	0
LQ48AQAAAL	G	113905	R4	CY8CTMA443-48LQIES	130	5.5	128	78	0
LT32BAAAGL	CA	MR112014	R1	CY8C21434-24LTXI	130	5.25	128	30	0
LQ32DAGLL	CA	MR113038	R1	CY8C20446A-24LQXIT	130	5.25	128	30	0
LT68ADAAGL	RA	110905	R5	CY8C5568LTI-114	130	5.5	128	55	0
LQ48AAAAGL	RA	112207	R1	CY8CTMA443-48LQIES	130	5.5	128	77	0
LQ24AQAAAL	G	113401	R1	CY8C20336A-24LQXI	130	5.25	128	79	0
LT88AAAAAL	RA	113803	R1	CY8CTMA884LTI-13ES	130	5.5	128	75	0
LT88AAAAAL	RA	113803	R2	CY8CTMA884LTI-13ES	130	5.5	128	76	0
LT88AAAAAL	RA	113804	R1	CY8CTMA884LTI-13ES	130	5.5	128	80	0
LT88AAAAAL	RA	113804	R2	CY8CTMA884LTI-13ES	130	5.5	128	79	0
LQ48AQAAAL	G	114101	R2	CY8CTMA443-48LQIES	130	5.5	128	78	0
LQ48AAAAAL	RA	114103	R2	CY8CTMA340-48LQI-09	130	5.5	128	80	0
LT68ADAAGL	RA	114110	R1A1	CY8C5568LTI-114	130	5.5	128	27	0
LT68ADAAGL	RA	114110	R2A	CY8C5568LTI-114	130	5.5	128	27	0
LQ24AQAAAL	G	114401	R2	CY8C20324-12LQXI	130	5.5	128	79	0
LQ32QAAAAL	G	114401	R3	CY8CTMG240-LQI-01	130	5.5	128	80	0
LQ48AQAAAL	G	114403	R4	CY8CTMA301E-48LQXI	130	5.5	128	80	0
LQ48AQAAAL	G	114403	R1	CY8CTMA300E-48LQXI	130	5.5	128	80	0
LQ48AQAAAL	G	114403	R2	CY8CTMA300E-48LQXI	130	5.5	192	40	0
LQ48AQAAAL	G	114403	R1	CY8CTMA300E-48LQXI	130	5.5	192	40	0
LQ48AQAAAL	G	114403	R2	CY8CTMA300E-48LQXI	130	5.5	128	80	0
LQ56AQAAAL	G	114404	R1	CY8C24794-24LQXI	130	5.25	128	79	0
LQ56AQAAAL	G	114404	R2	CY8C24794-24LQXI	130	5.25	128	80	0
LQ56AQAAAL	G	114404	R3	CY8C24794-24LQXI	130	5.25	128	80	0
LT68ADAAGL	RA	114407	R5-Split2	CY8C5588LTI-114ES1	130	5.5	128	22	0
LT40ABAAAL	G	114904	R1	CYRF6986-40LTXC	130	3.03	128	78	0
LT40ABAAAL	G	114904	R2	CYRF6986-40LTXC	130	3.03	128	79	0
LT48AQAAAL	G	114905	R1	CY8C27643-24LTXI	130	5.25	128	80	0



LT48AQAAAL	G	114905	R1	CY8C27643-24LTXI	130	5.25	144	40	0
LT48DQAAAL	G	114905	R3	CY8C3866LTI-068	130	5.5	128	80	0
LT56YAAAAL	G	114906	R1	CY7C65630-56LTXC	130	3.8	128	80	0
LT56YAAAAL	G	114906	R1	CY7C65630-56LTXC	130	3.8	192	45	0
LT68YAAAAL	G	114906	R2-Split1	CY8C3866LTI-030	130	5.5	128	40	0
LT68YAAAAL	G	114906	R2-Split2	CY8C3866LTI-030	130	5.5	128	40	0
LT68YAAAAL	G	114906	R2-Split1	CY8C3866LTI-030	130	5.5	192	40	0
LT32BBAAAL	G	114907	R1	CY8C21434-24LTXI	130	5.25	128	78	0
LQ32DAGLL	CA	MR112017	R1	CY8C20446A-24LQXIT	130	5.25	128	29	0
LQ36AAAAAN	MB	MR113020	R1	CY8CTMA300E-36LQXI	130	5.5	128	30	0
LQ32CCAAL	CA	MR114013	R1	CP6745DMT	130	5.25	128	30	0
LQ56ABAAAL	MB	NR113001	R1	CY8C24794-24LQXIT	130	5.25	128	30	0
LQ56ABAAAL	MB	NR113001	R2	CY8C24794-24LQXIT	130	5.25	128	30	0
LQ56ABAAAL	MB	NR113001	R3	CY8C24794-24LQXIT	130	5.25	128	30	0
LT32BAAAGL	CA	MR113021	R1	CY8C21434-24LTXIT	130	5.25	128	30	0
LT32BAABGL	RA	MR121015	R1	CY8C21434-24LTXI	130	5.25	128	30	0
LT48ABBAAL	MB	MR114014	R1	CP7408AT	130	5.25	128	30	0
LT48AQAAAL	G	MR114071	R1	CY8C20636A-24LTXI	130	5.25	128	30	0
LT56BDAAGL	AE	MR113050	R1	CG7158DMT	130	5.25	128	30	0
LT68ADAAGL	RA	MR112002	R1	CY8C3446LTI-085	130	5.25	128	30	0
LT88AAAAAL	RA	MR114046	R1	CY8CTMA884LTI-13T	130	5.5	128	30	0
LQ24ADAAGL	CA	MR112013	R1	CY8CTST200A-24LQXIT	130	5.25	128	30	0
LQ24ADAAGL	MB	MR112012	R1	CP6745DMT	130	5.25	128	30	0
LQ32EPDAGL	RA	MR121013	R1	CY8CTMG240-LQI-01	130	5.25	128	29	0
LQ36AAAAAN	MB	MR114015	R1	CY8CTMA340-LQI-01T	130	5.5	128	25	0
LQ36ABAAAL	RA	NR104002	R1A	CP7248AT	130	5.5	128	25	0
LQ36ABAAAL	RA	NR104002	R2A	CP7248AT	130	5.5	128	25	0
LQ36ABAAAL	RA	NR104002	R3A	CP7248AT	130	5.5	128	25	0
LQ48AAAAAL	RA	MR113059	R1	CG7415AF	130	5.5	128	29	0



LQ48AAAAAL	RA	MR114016	R1	CY8CTMA340-48LQI-09	130	5.25	128	30	0
LQ48AAAAAL	RA	NR104003	R2A	CY8CTMA300E-48LQXI	130	5.5	128	25	0
LQ48AAAAAL	RA	NR104003	R3A	CY8CTMA300E-48LQXI	130	5.5	128	25	0
LQ56AAAAAL	RA	NR114002	R1	CY8C24794-24LQXIT	130	5.25	128	24	0
LQ56AAAAAL	RA	NR114002	R2	CY8C24794-24LQXIT	130	5.25	128	25	0
Summary for Package Family: QFN (Saw Type, Pb-Free)			87	records					
Sum								4708	0
QSOP (Pb-Free)									
SQ2414ABGN	R	MR111076	R1	CY7C63743C-QXC	130	5.5	128	30	0
SQ2414ACGN	JT	NR113002	R1	CY7C63823-QXC	130	5.5	128	25	0
Summary for Package Family: QSOP (Pb-Free)			2	records					
Sum								55	0
SNC (Pb-Free)									
SY2831BBLN	R	MR112034	R1	CY62256NLL-55SNXI	130	5.5	128	30	0
SY2831BBLN	R	MR113001	R1	CG6715AMT	130	5.5	128	30	0
SY2831BCLN	JT	MR114017	R1	CY62256NLL-70SNXC	130	5.5	128	30	0
Summary for Package Family: SNC (Pb-Free)			3	records					
Sum								90	0
SOIC (Pb Free)									
SZ324513AN	JT	111411	R1	7A62128ZHC	130	5.5	96	80	0
SZ32457ALN	JT	111411	R2	7A62128KC	130	3.6	96	80	0
SZ32457ALN	JT	111411	R3	7A62128KC	130	3.6	96	80	0
SZ28327BGL	R	MR104015	R1	CY8C27443-24SXI	130	5.25	128	30	0
SZ324513N	R	MR111064	R1	CY62128BNLL-70SXET	130	5.5	96	30	0
SZ1615KDGN	RA	MR112010	R1	CY2292FXC	130	3.8	128	30	0
SZ24315EGN	RA	MR112032	R1	CY7C63743C-SXC	130	5.25	128	30	0
SZ324513N	R	MR112035	R1	CY62128BNLL-70SXET	130	5.5	96	28	0
SZ815PAEGN	RA	MR114001	R1	CY2305SXI-1H	130	3.63	128	30	0



SZ815CGAAS	M	MR112007	R1	CY2305CSXA-1HT	130	3.63	96	30	0
SZ324513BN	R	MR113002	R1	CY62128BNLL-55SXI	130	3.6	128	30	0
SZ183CPEAN	RA	MR113016	R1	CY7C63723C-SXC	130	5.5	128	30	0
SZ32458CLN	JT	MR114002	R1	CY62128ELL-45SXIT	130	3.6	128	30	0
SZ815CGAAS	M	MR114037	R1	CY2305CSXA-1H	130	3.63	96	30	0
SZ28327CGL	JT	113907	R4	CY8C294665-24SXIES	130	5.25	128	80	0
SZ28327BGL	R	MR112066	R1	CY8C27443-24SXI	130	5.25	128	30	0
SZ1615KDGN	RA	MR113009	R1	CY2292FXC	130	3.8	128	30	0
SZ28327BGL	R	MR113017	R1	CY8C21345-24SXI	130	5.25	128	30	0
SZ1615FAL	T	MR114019	R1	CY7C63801-SXC	130	5.5	128	30	0
SZ1615BKGN	RA	MR121006	R1	CY8C21234-24SXI	130	5.25	128	30	0
Summary for Package Family: SOIC (Pb Free)			20	records					
Sum								798	0
SOJ									
V243GAAAGN	X	MR112050	R1	CY7C197BN-15VCT	130	5.5	128	27	0
V243GAAAGN	X	MR113065	R1	CY7C197BN-15VC	130	5.5	128	30	0
Summary for Package Family: SOJ			2	records					
Sum								57	0
SOJ (Pb-Free)									
VZ444YBLL	JT	111804	R1	7A134101FC	130	3.65	96	80	0
VZ444WHGL	JT	111804	R2	7A1021SFC	130	5.5	96	80	0
VZ444ZCLL	JT	111804	R3	7A122101GC	130	3.65	96	80	0
VZ32314BLL	R	MR103011	R1	CY7C1018DV33-10VXIT	130	3.77	128	30	0
VZ32314BLL	R	MR104027	R1A	CY7C1018DV33-10VXIT	130	3.77	128	30	0
VZ2847AAAR	OP	MR104080	R1	CY7C107D-10VXI	130	5	128	30	0
VZ2847AAAR	OP	MR111047	R1	CY7C107D-10VXI	130	5	128	29	0
VZ444ACBLN	R	MR112008	R1	CY7C1021DV33-10VXI	130	3.6	128	29	0
VZ32314BLL	R	MR112033	R1	CY7C1009D-10VXIT	130	5.5	128	30	0
VZ2847AAAR	OP	MR112051	R1	CY7C107D-10VXI	130	5.5	128	30	0



VZ444ACBLN	R	MR113049	R1	CG7109AM	130	5.5	128	30	0
VZ2847AAAR	OP	MR114074	R1	CY7C107D-10VXI	130	5.5	128	30	0
VZ32420DLL	JT	NR113003	R1	CY7C109D-10VXI	130	5.5	128	25	0
VZ444ADDLN	JT	NR114001	R2	CY7C1041DV33-10VXI	130	3.6	128	25	0
Summary for Package Family: SOJ (Pb-Free)			14	records				558	0
Sum								558	0
SSOP (Pb-Free)									
SP483JAAAL	R	104407	R1	CY8C20566A-12PVXE	130	5.25	96	80	0
SP483JAAAL	R	104407	R2	CY8C20566A-12PVXE	130	5.25	96	80	0
SP483JAAAL	R	104407	R3	CY8C20566A-12PVXE	130	5.25	96	80	0
SP483JABLL	JT	105201	R1	CY8C29666-12PVXE	130	5.25	96	80	0
SP483JABLL	JT	105201	R2	CY8C21645-12PVXE	130	5.25	96	80	0
SP483JABAL	JT	105201	R3	CY8C20566A-12PVXE	130	5.25	96	80	0
SP483JABLL	JT	105205	R1	CY8C29666-12PVXE	130	5.25	96	80	0
SP483JABLL	JT	105205	R2	CY8C21645-12PVXE	130	5.25	96	80	0
SP483JABAL	JT	105205	R3	CY8C20566A-12PVXE	130	5.25	96	80	0
SP483FBKGN	RA	MR112011	R1	CY8C20536A-24PVXIT	130	5.75	128	29	0
SP2822BGL	M	MR111057	R1	CY8C21534-24PVXAT	130	5.25	96	30	0
SP28214GL	T	MR113052	R1	CY8C21534-24PVXI	130	5.25	128	30	0
SP28213GL	T	111402	R1	CY8C29466-24PVXI	130	5.25	128	80	0
SP28213GL	T	111402	R2	CY8C29466-24PVXI	130	5.25	128	80	0
SP2822BGL	M	MR112009	R1	CY8C21534-24PVXAT	130	5.25	96	30	0
SP282ABBG	RA	MR112024	R2	CY8C24533-24PVXI	130	5.25	128	30	0
SP483JBALL	R	MR112029	R3	CY14B101LA-SP25XI	130	3.3	128	30	0
SP483ACGAN	R	MR113013	R4	CY8C20536A-24PVXIT	130	5.25	128	30	0
SP282ABBG	RA	MR113014	R1	CY8C21534-24PVXI	130	5.25	128	30	0
SP2822BGL	M	MR113037	R1A	CY8C21534-24PVXAT8	130	5.25	96	30	0
SP2822BGL	M	MR114003	R1	CP7407ATT	130	5.25	96	30	0
SP282ABBG	RA	MR114023	R1	CY8C24533-24PVXI	130	5.25	128	30	0



SP28213GL	T	MR114080	R1	CY8C29466-24PVXI	130	5.25	128	30	0
SP483EBCAL	JT	NR113007	R1	CY8C27643-24PVXI	130	5.25	128	25	0
SP563DBC GN	JT	NR113007	R3	CY7C68013A-56PVXC	130	3.63	128	25	0
SP563DBC GN	JT	NR113007	R2	CY7C68013A-56PVXC	130	3.63	128	25	0
Summary for Package Family: SSOP (Pb-Free)			26	records				1314	0
Sum								1314	0
TQFP									
A64IBAABL N	JT	NR113005	R3	CY7C144AV-25ACKJ	130	5.5	128	25	0
Summary for Package Family: TQFP			1	record				25	0
Sum								25	0
TQFP (Pb-Free)									
AZ100RVLN	JT	111803	R1	CY7C68320C-100AXA	130	3.63	96	80	0
AZ100RVLN	JT	111803	R2	CY7C68320C-100AXA	130	3.65	96	80	0
AZ100RVLN	JT	111803	R3	CY7C68320C-100AXA	130	3.65	96	80	0
AZ100SFKAL	RA	112302	R1A	CY8C5568AXI-060	130	5.5	128	40	0
AZ100SFHAL	JT	111817	R4-Split1	CY8C5568AXI-060	130	5.5	128	68	0
AZ100SFHAL	JT	111817	R4-Split2	CY8C5568AXI-060	130	5.5	128	31	0
AZ100RUBLN	R	MR113022	R1	CY7C1350G-200AXC	130	3.63	128	30	0
AZ100RBCLN	JT	MR114041	R1	CY7C1370D-167AXI	130	3.6	128	30	0
AZ100SFDAL	R	MR112003	R1	CY8C3245AXI-158	130	5.5	128	30	0
AZ100RUBLN	R	MR112043	R1	CY7C1350G-200AXC	130	3.63	128	30	0
AZ100RJBLN	RA	MR114059	R1	CY7C68014A-100AXC	130	3.63	128	30	0
AZ64IBABL N	JT	NR113005	R2	CY7C4265-10AXIKJ	130	5.5	128	25	0
AZ100RUCLN	JT	NR113006	R1	CY7C68013A-100AXCKJ	130	3.63	128	25	0
AZ100RUCLN	JT	NR113006	R2	CY7C68013A-100AXIKJ	130	3.63	128	25	0
Summary for Package Family: TQFP (Pb-Free)			14	records				604	0
Sum								604	0
TSOP (Pb-free)									
ZT32RABALL	T	MR112026	R1	CY62128BNLL-55ZXIT	130	5.5	128	30	0



ZT32RABALL	T	MR113036	R1	CY62128EV30LL-45ZXI	130	3.6	128	30	0
ZT28R2BCLN	JT	NR113004	R3	CY62256VNNLL-70ZXC	130	3.6	128	25	0
ZT28R4BAGL	JT	NR113004	R2	CY7C1399BN-12ZXC	130	3.63	128	25	0
Summary for Package Family: TSOP (Pb-free)			4	records				110	0
Sum								110	0
TSOP I (Pb-Free)									
ZB32RKALL	T	MR112006	R1	CY62128EV30LL-45ZAXI	130	3.6	128	30	0
ZB32RHCALN	JT	MR114008	R1	CY62138FV30LL-45ZAXI	130	3.6	128	30	0
ZB32RKALL	T	MR114011	R1	CY62128EV30LL-45ZAXI	130	3.6	128	30	0
ZB32RHCALN	JT	NR113004	R1	CY62138FV30LL-45ZAXI	130	3.6	128	25	0
Summary for Package Family: TSOP I (Pb-Free)			4	records				115	0
Sum								115	0
TSOP II (Pb-Free)									
ZW444AKDLN	JT	111410	R1	7A134101FC	130	3.6	96	80	0
ZW444AHILL	JT	111410	R2	7A62126FC	130	3.6	96	80	0
ZW444AHILL	JT	111410	R3	7A62126FC	130	3.6	96	80	0
ZW44AAAAGL	RA	MR112046	R1	CY62147EV30LL-45ZSXIT	130	3.6	128	30	0
ZW444YBLL	R	MR113006	R1	CY7C1041BN-15ZXIT	130	3.65	128	30	0
ZW444ALLR	G	MR113047	R1	CY7C1051DV33-10ZSXI	130	3.65	128	30	0
ZW444AKDLN	JT	111409	R1	7A134101FC	130	3.6	96	100	0
ZW444AHILL	JT	111409	R2	7A62126FC-	130	3.6	96	99	0
ZW444AHILL	JT	111409	R3	7A62126FC	130	3.6	96	100	0
ZW444AMLN	R	MR112016	R1	CY62146ELL-45ZSXA	130	3.6	96	30	0
ZW44AAXAGL	RA	MR113031	R1	CY7C1020DV33-10ZSXI	130	5.5	128	30	0
ZW444WBCLN	R	MR112020	R1	CY7C1041DV33-10ZSXI	130	3.6	128	30	0
ZW324GALL	T	MR112015	R1	CY7C1019DV33-10ZSXIT	130	3.63	128	30	0
ZW324CBLL	T	MR113004	R1	CY62148ELL-45ZSXIT	130	3.6	128	30	0
ZW444AHLL	R	MR114007	R1	CY62126EV30LL-55ZSXE	130	3.63	96	30	0
ZW44ABXAGL	RA	MR114027	R1	CY62137EV30LL-45ZSXI	130	3.6	128	30	0



ZW444AAGLL	T	MR113043	R1	CY71041DV33-10ZSXI	130	3.6	128	30	0
ZW444ALLR	G	MR114043	R1	CY7C1051DV33-10ZSXI	130	3.6	128	30	0
ZW544AALL	G	MR121022	R1	CY7C1069AV33-10ZXCT	130	3.6	128	30	0
Summary for Package Family: TSOP II (Pb-Free)			19	records				929	0
Sum								929	0
RTSOP (Pb-free)									
ZY28R2CLN		MR114009	R1	CY62256VNULL-70ZRXIT	130		128	30	0
Summary for Package Family: RTSOP (Pb-free)			1	records				30	0
Sum								30	0
TSSOP (Pb-Free)									
ZZ1613HAN	T	MR113015	R1	CY2308ZXC-1H	130	3.8	128	30	0
ZZ1620GBAN	RA	MR112028	R1	CY22393FXCT	130	3.63	128	30	0
Summary for Package Family: TSSOP (Pb-Free)			2	records				60	0
Sum								60	0
VFBGA (0.75-0.8, 0.3mm)									
BV48ATALE	RA	MR113030	R1	CY62157DV30LL-55BVIT	110	3.6	264	24	0
BV48ATALE	RA	MR114066	R1	CY62157DV30LL-55BVIT	110	3.6	264	30	0
BV48BNALE	G	MR112040	R1	CY62167DV30LL-70BVI	110	3.6	264	30	0
BV48BNALE	G	MR113066	R1	CY62167DV30LL-70BVI	110	3.6	264	30	0
BV48DAAALE	RA	MR114010	R1	CY62137FV30LL-45BVIT	110	3.6	264	30	0
BV48ZEAAL	RA	MR112004	R1	CY62157EV30LL-45BVI	110	5.5	264	30	0
Summary for Package Family: VFBGA (0.75-0.8, 0.3mm)			6	records				174	0
Sum								174	0
VFBGA (0.75-0.8, 0.3mm, Pb-Free)									
BZ48RMAALL	RA	104406	R4	CY7C1061DV33-10BVXI	110	3.65	264	80	0
BZ48ZBAALL	RA	111701	R3B	CY621675EV30LL-45BVXI	110	3.6	264	79	0
BZ48ZBAALL	RA	111605	R1	CY621675EV30LL-45BVXI	130	3.6	264	80	0
BZ48CQAALL	G	MR111065	R1	CY62136FV30LL-45BVXI	130	3.6	264	30	0



BZ48CFAALL	G	MR113007	R1	CY62157EV30LL-45BVXIT	110	5.5	264	30	0
BZ48ZEAAL	RA	MR112005	R1	CY62157EV30LL-45BVXI	110	3.6	264	30	0
BZ48DAGLL	RA	MR113028	R1	CY62137FV30LL-45BVXIT	130	3.6	128	29	0
BZ48CNAALL	G	MR114075	R2	CY62167DV30LL-55BVXI	110	3.6	264	30	0
Summary for Package Family: VFBGA (0.75-0.8, 0.3mm, Pb-Free)			8	records					
Sum								388	0



Summary Detail -- HTS Performance Over Time

BUILDKIT	ASSY SITE	EVALNUM	TV	DEVICE	TEMP	VOLT	READOUT	SS	REJECT	FA	COMMENTS
UFBGA (Pb-free)											
BU60AAAAAL	G	121302	R4	CY8CTMA463-60BUIES2	150	0	1000	75	0		
BU84AAAAAL	G	121302	R1	CY8CTMA1036BUI-33ES2	150	0	500	76	0		
BU60AAAAAL	G	121302	R4	CY8CTMA463-60BUIES2	150	0	500	76	0		
Summary for Package Family: UFBGA (Pb-free)			3	records							
Sum								227	0		
FBGA (0.75-0.8, 0.3mm)											
BA48ZGALE	G	MR113048	R1	CY7C1021BNV33L-15BAI	150	0	500	30	0		
Summary for Package Family: FBGA (0.75-0.8, 0.3mm)			1	records							
Sum								30	0		
FBGA (0.75-0.8, 0.3mm, Pb-free)											
BK121AGAGL	RA	110501	R1	7C07101B	150	0	500	82	0		
BK121AGAGL	RA	110501	R1	7C07101B	150	0	1000	82	0		
BK48CPBGL	G	MR111028	R1	CY7C67200-48BAXIT	150	0	1000	30	0		
BK48DJALL	G	MR112036	R1	CY62177DV30LL-55BAXI	150	0	500	30	0		
BK48DJALL	G	MR112036	R1	CY62177DV30LL-55BAXI	150	0	1000	30	0		
BK121BGAGL	RA	102402	R1	CYUSB3014-BZXIES	150	0	500	82	0		
BK121BGAGL	RA	102402	R1	CYUSB3014-BZXIES	150	0	1000	82	0		
BK121BGAGL	RA	104607	R1	CYUSB3014-BZXIES	150	0	1000	82	0		
BK48DZAAAL	G	113205	R1	CY7C1081DV33-12BAXI	150	0	500	80	0		
BK48DZAAAL	G	113303	R1	CY7C1081DV33-12BAXI	150	0	500	80	0		
BK48DZAAAL	G	113303	R1	CY7C1081DV33-12BAXI	150	0	1000	80	0		
BK48DLBLL	G	MR113033	R1	CY62187EV30LL-55BAXI	150	0	1000	30	0		



Summary for Package Family: FBGA (0.75-0.8, 0.3mm, Pb-free)

12 records

Sum 770 0

FBGA (1.0-1.27)

BB165AHLE	G	MR112063	R1	CY7C1420SV18-250BZC	150	0	1000	30	0
BB165AHLE	G	MR112063	R1	CY7C1420SV18-250BZC	150	0	500	30	0
BB165UALE	G	MR111072	R1	CG6607BT	150	0	500	30	0
BB165UALE	G	MR111072	R1	CG6607BT	150	0	1000	29	0
BB165GAALE	RA	MR111036	R1	CY7C1514KV18-250BZC	150	0	1000	30	0
BB165GABLE	RA	MR111071	R1	CY7C1518KV18-333BZC	150	0	500	30	0
BB165GABLE	RA	MR111071	R1	CY7C1518KV18-333BZC	150	0	1000	29	0
BB165AHLE	G	MR113034	R1	CY7C1420SV18-250BZC	150	0	1000	29	0
BB165AHLE	G	MR113034	R1	CY7C1420SV18-250BZC	150	0	500	30	0
BB165AVLE	RA	MR114038	R1	CY7C1305TV25-167BZC	150	0	500	30	0
BB165AVLE	RA	MR114038	R1	CY7C1305TV25-167BZC	150	0	1000	30	0
BB165RNALE	RA	MR114058	R1	CY7C1312KV18-250BZC	150	0	500	30	0
BB165RNALE	RA	MR114058	R1	CY7C1312KV18-250BZC	150	0	1000	30	0
BB165RNALE	RA	MR121017	R1	CY7C1313KV18-250BZC	150	0	500	30	0
BB165AHLE	G	MR121020	R1	CY7C1420BV18-200BZC	150	0	500	30	0

Summary for Package Family: FBGA (1.0-1.27)

15 records

Sum 447 0

FBGA (1.0-1.27, Pb-free)

BW209FAALL	GQ	102201	R3	7C4S1472AO	150	0	500	77	0
BW209FAALL	GQ	102201	R3	7C4S1472AO	150	0	1000	77	0
BW209FAALL	GQ	102201	R3	7C4S1472AO	150	0	1500	77	0
BW165GAALL	RA	MR112045	R1	CY7C1512KV18-250BZXC	150	0	500	30	0
BW165GAALL	RA	MR112045	R1	CY7C1512KV18-250BZXC	150	0	1000	30	0
BW165GAALL	RA	MR113018	R1	CY7C1512KV18-250BZXI	150	0	500	30	0



BW165GAALL	RA	MR113018	R1	CY7C1512KV18-250BZXI	150	0	1000	30	0
BW165RJALL	RA	MR113074	R1	CY7C1412KV18-250BZXI	150	0	500	30	0
BW165RJALL	RA	MR113074	R1	CY7C1412KV18-250BZXI	150	0	1000	30	0
BW100EAGL	G	MR113025	R1	CYP15G0101DXB-BBXC\	150	0	500	30	0
BW165RJALL	RA	MR114039	R1	CY7C1414KV18-250BZXI	150	0	500	30	0
BW165RJALL	RA	MR114039	R1	CY7C1414KV18-250BZXI	150	0	1000	30	0
BW100EAGL	G	MR112044	R1	CYP15G0101DXB-BBXI	150	0	500	30	0
BW100EAGL	G	MR112044	R1	CYP15G0101DXB-BBXI	150	0	1000	30	0
BW165RJALL	RA	MR121035	R1	CY7C1414KV18-250BZXC	150	0	500	30	0
Summary for Package Family: FBGA (1.0-1.27, Pb-free)			15	records					
Sum								591	0
PBGA (1.27)									
BG119SALE	G	MR114040	R1	CY7C1366C-166BGC			500	30	
Summary for Package Family: PBGA (1.27)			1	records					
Sum								30	0
FLIPCHIP CSP (Pb-Free)									
FNDXIT	AU	112201	R1	7C071011C	150	0	1000	77	0
FNDXIT	AU	112201	R1	7C071011C	150	0	500	79	0
FN81AGAN	AU	MR112068	R1	CYWB0124ABX-FDXI	150	0	1000	30	0
FN81AGAN	AU	MR112068	R1	CYWB0124ABX-FDXI	150	0	500	30	0
FN81AAKRCD	GQ	MR112069	R1	CYWB0124ABX-FDXI	150	0	1000	30	0
FN81AAKRCD	GQ	MR112069	R1	CYWB0124ABX-FDXI	150	0	500	30	0
FN49	AU	113211	R0	8C20324DC	150	0	500	80	0
FN49	AU	113211	R3	CY8CTMA340-FN1-09	150	0	500	79	0
FB131ATBCD	AU	103501	R1	CYWB0263BB-FBXIES	150	0	500	82	0
FB131ATBCD	AU	103501	R1	CYWB0263BB-FBXIES	150	0	1000	82	0
FN49	AU	114103	R1	CY8CTMA340-FN1-09	150	0	500	79	0
FN49ABAAL	AU	MR112078	R1	CG7411AMT	150	0	500	30	0



FN49ABAAAL	AU	MR112078	R1	CG7411AMT	150	0	1000	27	0
FN81AGAN	AU	MR114061	R2	CYWB0124ABX-FDXIT	150	0	500	30	0
FN81AGAN	AU	MR114061	R2	CYWB0124ABX-FDXIT	150	0	1000	30	0
FN81AGAN	AU	MR113060	R1	CYWB0124ABX-FDXIT	150	0	500	30	0
FN81AGAN	AU	MR113060	R1	CYWB0124ABX-FDXIT	150	0	1000	30	0
FN49ACAAAL	GQ	MR113072	R1	CY8CTMA340-FNI-09T	150	0	500	30	0
Summary for Package Family: FLIPCHIP CSP (Pb-Free)			18	records					
Sum								885	0
PBGA (Cavity/Heat Sink, Pb-free)									
BJ256L2GL	G	MR112057	R1	CYV15G0104TRB-BGX	150	0	500	30	0
BJ256L2GL	G	MR112057	R1	CYV15G0104TRB-BGX	150	0	1000	30	0
BJ256L2GL	G	MR121007	R1	CYP15G0401DXB-BGXI	150	0	500	30	0
Summary for Package Family: PBGA (Cavity/Heat Sink, Pb-free)			3	records					
Sum								90	0
PDIP (Pb-Free)									
PZ286EAAGN	X	MR112049	R1	CY62256NLL-70PXC	150	0	500	30	0
PZ286EAAGN	X	MR112049	R1	CY62256NLL-70PXC	150	0	1000	30	0
PZ243AAAGN	X	MR113012	R1	CY7C63743C-PXC	150	0	500	30	0
PZ243AAAGN	X	MR113012	R1	CY7C63743C-PXC	150	0	1000	30	0
PZ183DPBGN	RA	MR111054	R1	CS6632AF	150	0	1000	30	0
PZ283ACAGL	X	MR111052	R1	CY7C199CN-15PXC	150	0	1000	30	0
PZ183DPDGN	RA	MR112048	R1	CY7C63723C-PXC	150	0	500	30	0
PZ183DPDGN	RA	MR112048	R1	CY7C63723C-PXC	150	0	1000	30	0
PZ243AAAGN	X	MR112053	R1	CY7C63743C-PXC	150	0	500	30	0
PZ243AAAGN	X	MR112053	R1	CY7C63743C-PXC	150	0	1000	30	0
PZ183DPDGN	RA	MR113011	R1	CY7C63723C-PXC	150	0	500	30	0
PZ183DPDGN	RA	MR113011	R1	CY7C63723C-PXC	150	0	1000	30	0



PZ183DPBGN	RA	MR113087	R1	CS6632AF	150	0	500	30	0
PZ183DPBGN	RA	MR113087	R1	CS6632AF	150	0	1000	30	0
PZ183EAAGN	X	MR114021	R1	CY7C63723C-PXC	150	0	500	30	0
PZ183EAAGN	X	MR114021	R1	CY7C63723C-PXC	150	0	1000	30	0
PZ183DPDGN	RA	MR121012	R1	CP6238BM	150	0	500	30	0
PZ183DPDGN	RA	MR121012	R1	CP6238BM	150	0	1000	30	0
PZ283ACAGL	X	MR121051	R1	CY7C199CN-15PXC	150	0	500	30	0

Summary for Package Family: PDIP (Pb-Free)

19 records

Sum

570 0

PLCC (Pb-Free)

JZ32RBGAN	M	MR112030	R1	CY7B991V-2JXCT	150	0	500	30	0
JZ32RBGAN	M	MR112030	R1	CY7B991V-2JXCT	150	0	1000	30	0
JZ32RBGAN	M	MR113005	R1	CY7B991V-5JXC	150	0	500	30	0
JZ32RBGAN	M	MR113005	R1	CY7B991V-5JXC	150	0	1000	30	0
JZ52SGGAAN	M	113405	R1	CY7C136E-55JXC	150	0	500	79	0
JZ52SGGAAN	M	113405	R1	CY7C136E-55JXC	150	0	1000	80	0
JZ52SGGAAN	M	113405	R1	CY7C136E-55JXC	150	0	1500	80	0
JZ52SFGAN	M	MR114045	R1	CY7C136-25JXC	150	0	500	30	0
JZ52SFGAN	M	MR114045	R1	CY7C136-25JXC	150	0	1000	30	0

Summary for Package Family: PLCC (Pb-Free)

9 records

Sum

419 0

PQFP (Pb-free)

NZ52DXGAN	G	MR112060	R1	CY7C136-55NXCT	150	0	500	30	0
NZ52DXGAN	G	MR112060	R1	CY7C136-55NXCT	150	0	1000	30	0
NZ52EAALL	M	113405	R3	CY7C136E-55JXC	150	0	500	80	0
NZ52EAALL	M	113405	R3	CY7C136E-55JXC	150	0	1000	80	0
NZ52DXGAN	G	MR114028	R1	CY7C136A-55NXI	150	0	500	30	0
NZ52DXGAN	G	MR113056	R1	CY7C136A-55NXI	150	0	500	30	0
NZ52DXGAN	G	MR113056	R1	CY7C136A-55NXI	150	0	1000	30	0



NZ52DXGAN	G	MR121041	R1	CY7C131-55NXC	150	0	500	30	0
NZ52DXGAN	G	MR114028	R1	CY7C136A-55NXI	150	0	1000	30	0
Summary for Package Family: PQFP (Pb-free)			9	records					
Sum								370	0
QFN (COL, 0.6mm, Saw Type, Pb-free)									
LG16AQAAL	G	112603	R1	CY8C20236A-24LKXI	150	0	500	80	0
LG16ABAALL	L	113302	R1	CY8C20236A-24LKXA	150	0	1000	80	0
LG16AAAAL	MB	MR112021	R1	CY8C20236A-24LKXIT	150	0	500	30	0
LG16AAAAL	MB	MR112021	R1	CY8C20236A-24LKXIT	150	0	1000	30	0
LG16ABAALL	L	NR111001	R1	CY8C20236A-24LKXIKL	150	0	500	30	0
LG16ABAALL	L	NR111001	R1	CY8C20236A-24LKXIKL	150	0	1000	30	0
LG16ABAALL	L	NR111001	R2	CY8C20236A-24LKXIKL	150	0	500	30	0
LG16ABAALL	L	NR111001	R2	CY8C20236A-24LKXIKL	150	0	1000	30	0
LG16ABAALL	L	NR111001	R3	CY8C20236A-24LKXIKL	150	0	500	30	0
LG16ABAALL	L	NR111001	R3	CY8C20236A-24LKXIKL	150	0	1000	30	0
LG16AAAAL	MB	NR111002	R1	CY8C20236A-24LKXI	150	0	500	30	0
LG16AAAAL	MB	NR111002	R1	CY8C20236A-24LKXI	150	0	1000	30	0
LG16AAAAL	MB	NR111002	R2	CY8C20236A-24LKXI	150	0	500	30	0
LG16AAAAL	MB	NR111002	R2	CY8C20236A-24LKXI	150	0	1000	30	0
LG16AAAAL	MB	NR111002	R3	CY8C20236A-24LKXI	150	0	500	30	0
LG16AAAAL	MB	NR111002	R3	CY8C20236A-24LKXI	150	0	1000	30	0
LG16AQAAL	G	114903	R1	CY8C20236A-24LKXI	150	0	1000	110	0
LG16AQAAL	G	114903	R4	CY8C20224-12LKXI	150	0	1000	90	0
LG16AQAAL	G	114903	R4	CY8C20224-12LKXI	150	0	1500	78	0
LG16AQAAL	G	114903	R5	CY8C20110-LDX2I	150	0	1000	100	0
LG16AQAAL	G	114903	R5	CY8C20110-LDX2I	150	0	1500	99	0
LG16ABAALL	L	MR112052	R1	CP7194FT	150	0	1000	30	0
LG16AEEAAL	MB	MR113019	R1	CY8C20236A-24LKXIT	150	0	500	30	0
LG16AEEAAL	MB	MR113019	R1	CY8C20236A-24LKXIT	150	0	1000	30	0



LG16ABAALL	L	MR113029	R1	CS7412AT	150	0	500	30	0
LG16ABAALL	L	MR113029	R1	CS7412AT	150	0	1000	30	0
Summary for Package Family: QFN (COL, 0.6mm, Saw Type, Pb-free)			26	records				1207	0
Sum								1207	0

QFN (Punch Type, Pb-Free)

LY40CGAGR	L	MR111027	R1	CYRF69213-40LFXC	150	0	1000	30	0
LY56DGAGL	L	MR111040	R1	CY8C24894-24LFXIT	150	0	1000	30	0
LY40CGAGR	L	MR112018	R1	CYRF69213-40LFXC	150	0	1000	30	0
LY40CGAGR	L	MR112018	R1	CYRF69213-40LFXC	150	0	500	30	0
LY24BGAGL	L	MR112059	R1	CY8C21323-24LFXIT	150	0	500	30	0
LY24BGAGL	L	MR112059	R1	CY8C21323-24LFXIT	150	0	1000	30	0
LY40CGAGR	L	MR113023	R1	CYRF69213-40LFXC	150	0	500	30	0
LY24BGAGL	L	MR113040	R1	CY8C21323-24LFXIT	150	0	500	30	0
LY56AGAGL	L	MR114036	R1	CY7C65630-56LFXA	150	0	1000	30	0
Summary for Package Family: QFN (Punch Type, Pb-Free)			9	records				270	0
Sum								270	0

QFN (Saw Type, Pb-Free)

LQ56ABAAL	MB	110707	R1	CY8C24794-24LQXI	150	0	500	80	0
LQ56ABAAL	MB	110707	R1	CY8C24794-24LQXI	150	0	1000	80	0
LT32BBAAAL	G	111812	R2	CY7C60323-LTXC	150	0	500	80	0
LT32BBAAAL	G	111812	R2	CY7C60323-LTXC	150	0	1000	80	0
LT68YAAAAL	G	111816	R2	CY8CLED04-68LTXI	150	0	500	80	0
LT68YAAAAL	G	111816	R2	CY8CLED04-68LTXI	150	0	1000	80	0
LT88AAAAAL	RA	113002	R1B	CY8CTMA884LTI-13ES	150	0	500	77	0
LT88AAAAAL	RA	113002	R1B	CY8CTMA884LTI-13ES	150	0	1000	77	0
LT88ABAAL	L	113802	R9	CY8CTMA884LTI-13	150	0	500	77	0



LT88ABAAAL	L	113802	R9	CY8CTMA884LTI-13	150	0	1000	77	0
LQ24ABAAL	AT	MR111002	R1	CP7262ATT	150	0	1000	30	0
LQ36ABAAAL	RA	MR111009	R1	CY8CTMA340-LQI-01T	150	0	1000	30	0
LT48ACBAAL	MB	MR111033	R1	CY8C27643-24LTXIT	150	0	1000	30	0
LT32BAAAGL	CA	MR111044	R1	CY8C21434-24LTXI	150	0	1000	28	0
LQ36AAAAAN	MB	MR111045	R1	CY8CTMA3405-LQI-01	150	0	1000	30	0
LT48ABBAAL	MB	MR112022	R1	CP7245BT	150	0	500	30	0
LT48ABBAAL	MB	MR112022	R1	CP7245BT	150	0	1000	30	0
LQ32EPDAGL	RA	MR112023	R1	CY8C20446A-24LQXIT	150	0	500	30	0
LQ32EPDAGL	RA	MR112023	R1	CY8C20446A-24LQXIT	150	0	1000	30	0
LT56BDAAGL	AE	MR112027	R1	CY7C64215-56LTXC	150	0	500	30	0
LT56BDAAGL	AE	MR112027	R1	CY7C64215-56LTXC	150	0	1000	30	0
LQ48AAAAAL	R	MR113039	R1	CY8CTMA340-48LQI-01	150	0	500	30	0
LQ48AAAAAL	R	MR113039	R1	CY8CTMA340-48LQI-01	150	0	1000	30	0
LT32BAABGL	RA	MR111034	R1	CY8C21434-24LTXIT	150	0	1000	28	0
LQ24AAAAAL	RA	MR111042	R1	CY8C20324-12LQXI	150	0	1000	21	0
LT32BAAAGL	CA	MR112014	R1	CY8C21434-24LTXI	150	0	500	30	0
LT32BAAAGL	CA	MR112014	R1	CY8C21434-24LTXI	150	0	1000	29	0
LQ32DAGLL	CA	MR112017	R1	CY8C20446A-24LQXIT	150	0	500	30	0
LQ32DAGLL	CA	MR112017	R1	CY8C20446A-24LQXIT	150	0	1000	30	0
LQ32DAGLL	CA	MR113038	R1	CY8C20446A-24LQXIT	150	0	500	30	0
LQ32DAGLL	CA	MR113038	R1	CY8C20446A-24LQXIT	150	0	1000	30	0
LT32BBAAAL	G	112106	R4	CY7C60323-LTXC	150	0	500	80	0
LT32BBAAAL	G	112107	R4	CY7C60323-LTXC	150	0	500	80	0
LT32BBAAAL	G	112108	R4	CY7C60323-LTXC	150	0	500	80	0
LT88AAAAAL	RA	112207	R4	CY8CTMA884LTI-13ES	150	0	500	77	0
LT32BBAAAL	G	112603	R4	CY7C60323-LTXC	150	0	500	80	0
LQ48AAAAAL	RA	113211	R1	CY8CTMA340-48LQI-09	150	0	500	80	0
LT32BBAAAL	G	113603	R4	CY7C60323-LTXC	150	0	1000	80	0



LT68YAAAAL	G	113603	R5	CY8CLED04-68LTXI	150	0	1000	80	0
LT88AAAAAL	RA	113804	R1	CY8CTMA884LTI-13ES	150	0	500	80	0
LT88AAAAAL	RA	113804	R1	CY8CTMA884LTI-13ES	150	0	1000	80	0
LT68ADAAGL	RA	114110	R1A1	CY8C5568LTI-114	150	0	500	80	0
LT68ADAAGL	RA	114110	R1A1	CY8C5568LTI-114	150	0	1000	80	0
LQ48AQAAAL	G	114401	R6	CY8CTMA301E-48LQXI	150	0	500	80	0
LQ48AQAAAL	G	114401	R6	CY8CTMA301E-48LQXI	150	0	1000	80	0
LQ32QAAAAL	G	114401	R4	CY8C20466A-24LQXIES	150	0	1000	80	0
LQ32QAAAAL	G	114401	R5	CY8C20466A-24LQXIES	150	0	1000	80	0
LQ48AQAAAL	G	114403	R3	CY8CTMA300E-48LQXI	150	0	500	220	0
LQ48AQAAAL	G	114403	R3	CY8CTMA300E-48LQXI	150	0	1000	220	0
LQ48AQAAAL	G	114403	R2	CY8CTMA300E-48LQXI	150	0	1000	210	0
LQ48AQAAAL	G	114403	R3	CY8CTMA300E-48LQXI	150	0	1500	220	0
LQ48AQAAAL	G	114403	R2	CY8CTMA300E-48LQXI	150	0	1500	210	0
LQ48AQAAAL	G	114403	R1	CY8CTMA300E-48LQXI	150	0	1500	200	0
LQ48AQAAAL	G	114403	R1	CY8CTMA300E-48LQXI	150	0	500	220	0
LQ48AQAAAL	G	114403	R2	CY8CTMA300E-48LQXI	150	0	500	220	0
LQ48AQAAAL	G	114403	R1	CY8CTMA300E-48LQXI	150	0	1000	210	0
LQ32QAAAAL	G	114404	R4	CY8C20466A-24LQXIES	150	0	1000	80	0
LQ32QAAAAL	G	114404	R5	CY8C20466A-24LQXIES	150	0	1000	80	0
LQ48AQAAAL	G	114404	R6	CY8CTMA301E-48LQXI	150	0	500	80	0
LQ48AQAAAL	G	114404	R6	CY8CTMA301E-48LQXI	150	0	1000	80	0
LT68ADAAGL	RA	114407	R4	CY8C5568LTI-114	150	0	500	80	0
LT68ADAAGL	RA	114407	R4	CY8C5568LTI-114	150	0	1000	80	0
LQ48AQAAAL	G	114903	R8	CY8CTMA301E-48LQXI	150	0	500	80	0
LQ48AQAAAL	G	114903	R8	CY8CTMA301E-48LQXI	150	0	1000	80	0
LQ32QAAAAL	G	114903	R6	CY8C20466A-24LQXIES	150	0	1000	80	0
LQ32QAAAAL	G	114903	R7	CY8C20466A-24LQXIES	150	0	1000	80	0
LT40ABAAAL	G	114904	R2	CYRF6986-40LTXC	150	0	1000	80	0



LT40ABAAAL	G	114904	R3	CYRF6986-40LTXC	150	0	500	80	0
LT40ABAAAL	G	114904	R3	CYRF6986-40LTXC	150	0	1000	80	0
LQ48AQAAAL	G	114904	R6	CY8CTMA301E-48LQXI	150	0	500	80	0
LQ48AQAAAL	G	114904	R6	CY8CTMA301E-48LQXI	150	0	1000	80	0
LQ32QAAAAL	G	114904	R4	CY8C20466A-24LQXIES	150	0	1000	80	0
LQ32QAAAAL	G	114904	R5	CY8C20466A-24LQXIES	150	0	1000	80	0
LT48AQAAAL	G	114905	R1	CY8C27643-24LTXI	150	0	500	120	0
LT48AQAAAL	G	114905	R1	CY8C27643-24LTXI	150	0	1000	110	0
LQ32QAAAAL	G	114905	R4	CY8C20466A-24LQXIES	150	0	1000	80	0
LQ32QAAAAL	G	114905	R5	CY8C20466A-24LQXIES	150	0	1000	80	0
LQ48AQAAAL	G	114905	R6	CY8CTMA301E-48LQXI	150	0	500	80	0
LQ48AQAAAL	G	114905	R6	CY8CTMA301E-48LQXI	150	0	1000	80	0
LT56YAAAAL	G	114906	R1	CY7C65630-56LTXC	150	0	500	80	0
LT68YAAAAL	G	114906	R2	CY8C3866LTI-030	150	0	500	80	0
LQ32QAAAAL	G	114906	R4	CY8C20466A-24LQXIES	150	0	1000	80	0
LQ32QAAAAL	G	114906	R5	CY8C20466A-24LQXIES	150	0	1000	80	0
LQ48AQAAAL	G	114906	R6	CY8CTMA301E-48LQXI	150	0	500	80	0
LQ48AQAAAL	G	114906	R6	CY8CTMA301E-48LQXI	150	0	1000	80	0
LQ48AQAAAL	G	114907	R6	CY8CTMA301E-48LQXI	150	0	500	80	0
LQ48AQAAAL	G	114907	R6	CY8CTMA301E-48LQXI	150	0	1000	80	0
LQ32QAAAAL	G	114907	R4	CY8C20466A-24LQXIES	150	0	1000	80	0
LQ32QAAAAL	G	114907	R5	CY8C20466A-24LQXIES	150	0	1000	80	0
LT88AAAAAL	RA	115101	R3	CY8CTMA884LTI-13ES	150	0	500	80	0
LT68ADAAGL	RA	115102	R1	CY8C5568LTI-114	150	0	500	80	0
LT68ADAAGL	RA	115102	R1	CY8C5568LTI-114	150	0	1000	80	0
LQ44AAAAALN	G	120407	R4	CY8CTMA443-44LXIES	150	0	1000	79	0
LQ44AAAAALN	G	120407	R4	CY8CTMA443-44LXIES	150	0	500	80	0
LQ48AAAAAL	RA	MR112019	R1	CG7394AMT	150	0	500	30	0
LQ48AAAAAL	RA	MR112019	R1	CG7394AMT	150	0	1000	30	0



LQ36AAAAAN	MB	MR113020	R1	CY8CTMA300E-36LQXI	150	0	500	30	0
LQ36AAAAAN	MB	MR113020	R1	CY8CTMA300E-36LQXI	150	0	1000	30	0
LQ32CCAAL	CA	MR114013	R1	CP6745DMT	150	0	500	30	0
LQ32CCAAL	CA	MR114013	R1	CP6745DMT	150	0	1000	30	0
LQ56ABAAAL	MB	NR113001	R1	CY8C24794-24LQXIT	150	0	500	30	0
LQ56ABAAAL	MB	NR113001	R1	CY8C24794-24LQXIT	150	0	1000	30	0
LQ56ABAAAL	MB	NR113001	R2	CY8C24794-24LQXIT	150	0	500	30	0
LQ56ABAAAL	MB	NR113001	R2	CY8C24794-24LQXIT	150	0	1000	30	0
LQ56ABAAAL	MB	NR113001	R3	CY8C24794-24LQXIT	150	0	500	30	0
LQ56ABAAAL	MB	NR113001	R3	CY8C24794-24LQXIT	150	0	1000	30	0
LQ32CCAAL	CA	MR111032	R1	CP6745DMT	150	0	1000	30	0
LT48ACBAAL	MB	MR111035	R1	CY8C27643-24LTXIT	150	0	1000	30	0
LQ24ADAAGL	CA	MR111043	R1	CY8CTST200A-24LQXI	150	0	1000	30	0
LT40ACAAGL	AE	MR111041	R1	CYRF6936-40LTXC	150	0	1000	30	0
LT68ADAAGL	RA	MR112002	R1	CY8C3446LTI-085	150	0	500	17	0
LT68ADAAGL	RA	MR112002	R1	CY8C3446LTI-085	150	0	1000	16	0
LQ32ACBAGL	MB	MR112012	R1	CP6745DMT	150	0	1000	30	0
LQ32ACBAGL	MB	MR112012	R1	CP6745DMT	150	0	500	30	0
LQ24ADAAGL	CA	MR112013	R1	CY8CTST200A-24LQXIT	150	0	1000	30	0
LQ24ADAAGL	CA	MR112013	R1	CY8CTST200A-24LQXIT	150	0	500	30	0
LT32BAAAGL	CA	MR113021	R1	CY8C21434-24LTXIT	150	0	500	29	0
LT56BDAAGL	AE	MR113050	R1	CG7158DMT	150	0	500	30	0
LQ48AAAAAL	RA	MR113059	R1	CG7415AF	150	0	500	30	0
LQ48AAAAAL	RA	MR113059	R1	CG7415AF	150	0	1000	30	0
LQ48AAAAAL	RA	MR114016	R1	CY8CTMA340-48LQI-09	150	0	500	30	0
LQ48AAAAAL	RA	MR114016	R1	CY8CTMA340-48LQI-09	150	0	1000	30	0
LQ48AQAAAL	G	MR114025	R1	CY8CTMA340-48LQI-01T	150	0	500	30	0
LQ56AAAAAL	RA	NR114002	R1	CY8C24794-24LQXIT	150	0	500	25	0
LQ56AAAAAL	RA	NR114002	R2	CY8C24794-24LQXIT	150	0	500	25	0



LQ56AAAAAL	RA	NR114002	R1	CY8C24794-24LQXIT	150	0	1000	25	0
LQ56AAAAAL	RA	NR114002	R2	CY8C24794-24LQXIT	150	0	1000	25	0
LQ56AAAAAL	RA	NR114002	R3	CY8C24794-24LQXIT	150	0	500	25	0
Summary for Package Family: QFN (Saw Type, Pb-Free)			128	records				8687	0
Sum								8687	0
QSOP (Pb-Free)									
SQ2414ABGN	R	MR111076	R1	CY7C63743C-QXC	150	0	1000	30	0
SQ2414ABGN	R	MR111076	R1	CY7C63743C-QXC	150	0	500	30	0
SQ2414ACGN	JT	110908	R1	CY7C63743C-QXC	150	0	1000	80	0
SQ2414ACGN	JT	NR113002	R1	CY7C63823-QXC	150	0	500	25	0
SQ2414ACGN	JT	NR113002	R1	CY7C63823-QXC	150	0	1000	25	0
Summary for Package Family: QSOP (Pb-Free)			5	records				190	0
Sum								190	0
SNC (Pb-Free)									
SY2831BBLN	R	MR112034	R1	CY62256NLL-55SNXI	150	0	1000	30	0
SY2831BBLN	R	MR112034	R1	CY62256NLL-55SNXI	150	0	500	30	0
SY2831BBLN	R	MR113001	R1	CG6715AMT	150	0	1000	30	0
SY2831BBLN	R	MR113001	R1	CG6715AMT	150	0	500	30	0
SY2831BCLN	JT	MR114017	R1	CY62256NLL-70SNXC	150	0	500	30	0
SY2831BCLN	JT	MR114017	R1	CY62256NLL-70SNXC	150	0	1000	30	0
Summary for Package Family: SNC (Pb-Free)			6	records				180	0
Sum								180	0
SOIC									
S1615KDAGN	RA	MR111051	R1	CY2309SC-1H	150	0	1000	30	0
Summary for Package Family: SOIC			1	records				30	0
Sum								30	0
SOIC (Pb Free)									
SZ32451ALL	JT	110902	R1	CY62148BNLL-70SXI	150	0	1000	80	0



SZ324513AN	JT	111411	R1	7A62128ZHC	150	0	1000	80	0
SZ324513AN	JT	111411	R2A	CY62128BNLL-70SXA	150	0	1000	100	0
SZ324513AN	JT	111412	R1	CY62128BNLL-70SXA	150	0	1000	100	0
SZ32457ALN	JT	111412	R2	CY62128ELL-55ZAXE	150	0	1000	100	0
SZ32457ALN	JT	111412	R3	CY62128ELL-55ZAXE	150	0	1000	100	0
SZ28327BGL	R	MR104070	R1	CY8C21345-24SXI	150	0	500	30	0
SZ28327BGL	R	MR104070	R1	CY8C21345-24SXI	150	0	1000	30	0
SZ28327BGL	R	MR111003	R1	CY8C27443-24SXIT	150	0	1000	30	0
SZ24315EGN	RA	MR111006	R1	CY7C63743C-SXCT	150	0	1000	30	0
SZ815PAEGN	RA	MR111030	R1	CY2305SXC-1HT	150	0	1000	30	0
SZ323ACAGR	M	MR111038	R1	STK14C88-3NF45TR	150	0	500	29	0
SZ323ACAGR	M	MR111038	R1	STK14C88-3NF45TR	150	0	1000	28	0
SZ1615FAL	T	MR111046	R1	CY2309CSXC-1	150	0	1000	30	0
SZ815CGAN	M	MR111053	R1	CY8C24123A-24SXI	150	0	1000	30	0
SZ28327BGL	R	MR111055	R1	CY8C27443-24SXIT	150	0	1000	30	0
SZ324513N	R	MR111064	R1	CY62128BNLL-70SXET	150	0	1000	30	0
SZ1615KDG N	RA	MR112010	R1	CY2292FXC	150	0	500	30	0
SZ1615KDG N	RA	MR112010	R1	CY2292FXC	150	0	1000	30	0
SZ323AEGAS	M	MR112031	R1	CY14B256LA-SZ45XIT	150	0	500	30	0
SZ323AEGAS	M	MR112031	R1	CY14B256LA-SZ45XIT	150	0	1000	30	0
SZ24315EGN	RA	MR112032	R1	CY7C63743C-SXC	150	0	500	30	0
SZ24315EGN	RA	MR112032	R1	CY7C63743C-SXC	150	0	1000	28	0
SZ324513N	R	MR112035	R1	CY62128BNLL-70SXET	150	0	1000	30	0
SZ815PAEGN	RA	MR114001	R1	CY2305SXI-1H	150	0	500	30	0
SZ815PAEGN	RA	MR114001	R1	CY2305SXI-1H	150	0	1000	30	0
SZ323ABAGS	M	MR101047	R1	CY14B101L-SZ45XC	150	0	500	28	0
SZ323ABAGS	M	MR101047	R1	CY14B101L-SZ45XC	150	0	1000	28	0
SZ0815TAGN	T	111403	R1	CY25402SXC-007	150	0	500	80	0
SZ0815TAGN	T	111403	R1	CY25402SXC-007	150	0	1000	80	0



SZ815CGAAS	M	MR112007	R1	CY2305CSXA-1HT	150	0	1000	30	0
SZ324513BN	R	MR113002	R1	CY62128BNLL-55SXI	150	0	500	30	0
SZ324513BN	R	MR113002	R1	CY62128BNLL-55SXI	150	0	1000	30	0
SZ183CPEAN	RA	MR113016	R1	CY7C63723C-SXC	150	0	500	30	0
SZ183CPEAN	RA	MR113016	R1	CY7C63723C-SXC	150	0	1000	30	0
SZ32458CLN	JT	MR114002	R1	CY62128ELL-45SXIT	150	0	500	30	0
SZ815CGAAS	M	MR114037	R1	CY2305CSXA-1H	150	0	1000	30	0
SZ323ACAGR	M	MR103055	R1	STK14C88-3NF35TR	150	0	1000	30	0
SZ323ACAGR	M	MR104062	R1A	STK14C88-3NF35TR	150	0	1000	30	0
SZ323ACAGR	M	MR104062	R1A	STK14C88-3NF35TR	150	0	500	30	0
SZ1615FAL	T	MR112065	R1	CY7C63803-SXC	150	0	500	30	0
SZ1615FAL	T	MR112065	R1	CY7C63803-SXC	150	0	1000	30	0
SZ28327BGL	R	MR112066	R1	CY8C27443-24SXI	150	0	500	30	0
SZ28327BGL	R	MR112066	R1	CY8C27443-24SXI	150	0	1000	30	0
SZ1615KDGN	RA	MR113009	R1	CY2292FXC	150	0	500	30	0
SZ1615KDGN	RA	MR113009	R1	CY2292FXC	150	0	1000	30	0
SZ28327BGL	R	MR113017	R1	CY8C21345-24SXI	150	0	500	30	0
SZ323AEGAS	M	MR113035	R1	CY14B101LA-SZ25XIT	150	0	500	30	0
SZ1615FAL	T	MR113045	R1	CY23EP09SXC-1HT	150	0	500	29	0
SZ1615FAL	T	MR113045	R1	CY23EP09SXC-1HT	150	0	1000	28	0
SZ1615EGN	M	MR113071	R1	CY2309SXI-1H	150	0	500	30	0
SZ1615EGN	M	MR113071	R1	CY2309SXI-1H	150	0	1000	30	0
SZ24315EGN	RA	MR114020	R1	CY7C63743C-SXCT	150	0	500	28	0
SZ0815TAGN	T	MR121045	R1	CY25422FSXI	150	0	500	30	0

Summary for Package Family: SOIC (Pb Free)

54 records

Sum

2086 0

SOJ

V3645BGBLN	JT	110907	R1	7C1549SCC	150	0	1000	80	0
V243GAAAGN	X	MR112050	R1	CY7C197BN-15VCT	150	0	500	30	0



V243GAAAGN	X	MR112050	R1	CY7C197BN-15VCT	150	0	1000	30	0
V243GAAAGN	X	MR113065	R1	CY7C197BN-15VC	150	0	500	30	0
Summary for Package Family: SOJ			4	records				170	0
Sum								170	0
SOJ (Pb-Free)									
VZ444YBLL	JT	111804	R1	7A134101FC	150	0	1000	80	0
VZ32314BLL	R	MR111050	R1	CY7C1018DV33-10VXIT	150	0	1000	30	0
VZ2847AAAR	OP	MR111047	R1	CY7C107D-10VXI	150	0	1000	30	0
VZ444ACBLN	R	MR112008	R1	CY7C1021DV33-10VXI	150	0	500	30	0
VZ444ACBLN	R	MR112008	R1	CY7C1021DV33-10VXI	150	0	1000	30	0
VZ3649BALN	R	MR111021	R1	CY7C1049DV33-10VXIT	150	0	1000	30	0
VZ32314BLL	R	MR112033	R1	CY7C1009D-10VXIT	150	0	500	29	0
VZ32314BLL	R	MR112033	R1	CY7C1009D-10VXIT	150	0	1000	29	0
VZ2847AAAR	OP	MR112051	R1	CY7C107D-10VXI	150	0	500	30	0
VZ2847AAAR	OP	MR112051	R1	CY7C107D-10VXI	150	0	1000	30	0
VZ444ACBLN	R	MR113049	R1	CG7109AM	150	0	500	30	0
VZ444ACBLN	R	MR113049	R1	CG7109AM	150	0	1000	30	0
VZ28311KLL	R	MR113064	R1	CY7C1399BN-15VXAT	150	0	1000	30	0
VZ32420DLL	JT	MR121023	R1	CY7C1019D-10VXI	150	0	500	30	0
VZ32420DLL	JT	NR113003	R1	CY7C109D-10VXI	150	0	500	25	0
VZ32420DLL	JT	NR113003	R1	CY7C109D-10VXI	150	0	1000	25	0
VZ32421CLL	JT	NR113003	R2	CY7C1046DV33-10VXI	150	0	500	25	0
VZ32421CLL	JT	NR113003	R2	CY7C1046DV33-10VXI	150	0	1000	25	0
VZ3649BBLN	JT	NR114001	R1	CY7C1049D-10VXIKJ	150	0	500	25	0
VZ3649BBLN	JT	NR114001	R1	CY7C1049D-10VXIKJ	150	0	1000	25	0
VZ444ADDLN	JT	NR114001	R2	CY7C1041DV33-10VXIKJ	150	0	500	25	0
VZ444ADDLN	JT	NR114001	R2	CY7C1041DV33-10VXIKJ	150	0	1000	25	0
Summary for Package Family: SOJ (Pb-Free)			22	records				668	0
Sum								668	0



SSOP (Pb-Free)

SP483JAAAL	R	104407	R1	CY8C20566A-12PVXE	150	0	1000	80	0
SP483JBCLL	JT	104802	R2	CY14B101KA-SP45XI	150	0	1000	80	0
SP483JABLL	JT	105201	R1	CY8C29666-12PVXE	150	0	1000	80	0
SP483JABLL	JT	105205	R1	CY8C29666-12PVXE	150	0	1000	80	0
SP483HAAGR	M	MR104061	R1A	CY14B101L-SP35XI	150	0	1000	30	0
SP483EBBAL	R	MR111004	R1	CY8C29666-24PVXIT	150	0	1000	30	0
SP2023GAL	T	MR111012	R1	CY8C21323-24PVXIT	150	0	1000	30	0
SP483FBKGN	RA	MR112011	R1	CY8C20536A-24PVXIT	150	0	500	30	0
SP483FBKGN	RA	MR112011	R1	CY8C20536A-24PVXIT	150	0	1000	30	0
SP28214GL	T	MR113052	R1	CY8C21534-24PVXI	150	0	500	30	0
SP28214GL	T	MR113052	R1	CY8C21534-24PVXI	150	0	1000	30	0
SP282ABBGN	RA	MR111008	R1	CY8C21534-24PVXIT	150	0	1000	17	0
SP28213GL	T	111402	R1	CY8C29466-24PVXI	150	0	500	80	0
SP28213GL	T	111402	R1	CY8C29466-24PVXI	150	0	1000	80	0
SP483FBBGN	RA	MR104064	R1	CY7C63413C-PVXC	150	0	1000	30	0
SP483FBBGN	RA	MR111010	R1	CY7C63413C-PVXCT	150	0	500	30	0
SP2822BGL	M	MR112009	R1	CY8C21534-24PVXAT	150	0	1000	30	0
SP282ABBGN	RA	MR112024	R1	CY8C24533-24PVXI	150	0	500	30	0
SP282ABBGN	RA	MR112024	R1	CY8C24533-24PVXI	150	0	1000	30	0
SP483JBALL	R	MR112029	R1	CY14B101LA-SP25XI	150	0	500	30	0
SP483JBALL	R	MR112029	R1	CY14B101LA-SP25XI	150	0	1000	28	0
SP483ACGAN	R	MR113013	R1	CY8C20536A-24PVXIT	150	0	500	30	0
SP483ACGAN	R	MR113013	R1	CY8C20536A-24PVXIT	150	0	1000	30	0
SP282ABBGN	RA	MR113014	R1	CY8C21534-24PVXI	150	0	500	29	0
SP282ABBGN	RA	MR113014	R1	CY8C21534-24PVXI	150	0	1000	21	0
SP2822BGL	M	MR114003	R1	CP7407ATT	150	0	1000	30	0
SP282ABBGN	RA	MR114023	R1	CY8C24533-24PVXI	150	0	500	30	0
SP282ABBGN	RA	MR114023	R1	CY8C24533-24PVXI	150	0	1000	30	0



SP483EBCAL	JT	NR113007	R1	CY8C27643-24PVXI	150	0	500	25	0
SP563DBCGN	JT	NR113007	R2	CY7C68013A-56PVXC	150	0	500	25	0
SP563DBCGN	JT	NR113007	R3	CY7C68013A-56PVXC	150	0	500	25	0
SP563DBCGN	JT	NR113007	R2	CY7C68013A-56PVXC	150	0	1000	25	0
SP563DBCGN	JT	NR113007	R3	CY7C68013A-56PVXC	150	0	1000	24	0
SP483EBCAL	JT	NR113007	R1	CY8C27643-24PVXI	150	0	1000	25	0
Summary for Package Family: SSOP (Pb-Free)			34	records					
Sum								1264	0
TQFP									
A64IBAABL	JT	110901	R1	CY7C144-25AC	150	0	1000	80	0
A64IBAABL	JT	NR113005	R3	CY7C144AV-25ACKJ	150	0	500	25	0
A64IBAABL	JT	NR113005	R3	CY7C144AV-25ACKJ	150	0	1000	25	0
Summary for Package Family: TQFP			3	records					
Sum								130	0
TQFP (Pb-Free)									
AZ100RVLN	JT	111803	R1	CY7C68320C-100AXA	150	0	1000	80	0
AZ100SFHAL	JT	111817	R1	CY8C5588AXI-060ES1	150	0	500	77	0
AZ100SFHAL	JT	111817	R1	CY8C5588AXI-060ES1	150	0	1000	77	0
AZ32LXGAN	Q	MR111025	R1	CY29946AXI	150	0	1000	30	0
AZ32GXGAN	G	MR111026	R1	CY29940AXC	150	0	1000	30	0
AZ160SBGAL	G	MR112037	R1	CY37256P160-83AXC	150	0	500	30	0
AZ160SBGAL	G	MR112037	R1	CY37256P160-83AXC	150	0	1000	30	0
AZ32BXGAN	Q	MR112077	R1	CY7C4201V-15AXC	150	0	500	30	0
AZ32BXGAN	Q	MR112077	R1	CY7C4201V-15AXC	150	0	1000	30	0
AZ44SGBGAN	R	MR111005	R1	CY8C29566-24AXI	150	0	1000	30	0
AZ44DGAGL	Q	MR112058	R1	CY7B995AXIT	150	0	500	30	0
AZ44DGAGL	Q	MR112058	R1	CY7B995AXIT	150	0	1000	30	0
AZ32GXGAN	G	MR113046	R1	CY29940AXIT	150	0	500	30	0
AZ100SFKAL	RA	112302	R1	CY8C5568AXI-060	150	0	500	77	0



AZ100SFKAL	RA	112302	R1	CY8C5568AXI-060	150	0	1000	77	0
AZ100RRDLL	JT	110909	R1	7C14702BC	150	0	1000	80	0
AZ100RUBLN	R	MR111022	R1	CY7C1350G-200AXC	150	0	1000	29	0
AZ144AAAGR	Q	MR111056	R1	CY7C09579V-83AXC	150	0	1000	30	0
AZ100SFDAL	R	MR112003	R1	CY8C3245AXI-158	150	0	500	24	0
AZ100SFDAL	R	MR112003	R1	CY8C3245AXI-158	150	0	1000	23	0
AZ100RUBLN	R	MR112043	R1	CY7C1350G-200AXC	150	0	500	30	0
AZ100RUBLN	R	MR112043	R1	CY7C1350G-200AXC	150	0	1000	30	0
AZ32GXGAN	G	MR112054	R1	CY29940AXCT	150	0	500	30	0
AZ32GXGAN	G	MR112054	R1	CY29940AXCT	150	0	1000	30	0
AZ100RUBLN	R	MR113022	R1	CY7C1350G-200AXC	150	0	500	30	0
AZ100RUBLN	R	MR113022	R1	CY7C1350G-200AXC	150	0	1000	30	0
AZ32GXGAN	G	MR113046	R1	CY29940AXIT	150	0	1000	30	0
AZ52AAGAL	Q	MR113051	R1	CY29972AXI	150	0	500	30	0
AZ32GXGAN	G	MR114034	R1	CY29942AXCT	150	0	500	30	0
AZ100RBCLN	JT	MR114041	R1	CY7C1370D-167AXI	150	0	500	30	0
AZ100RBCLN	JT	MR114041	R1	CY7C1370D-167AXI	150	0	1000	30	0
AZ100RJBLN	RA	MR114059	R1	CY7C68014A-100AXC	150	0	500	30	0
AZ100RJBLN	RA	MR114059	R1	CY7C68014A-100AXC	150	0	1000	30	0
AZ144AAAGR	Q	MR114081	R1	CY7C057V-15AXI	150	0	500	30	0
AZ100RYCLN	JT	MR121021	R1	CY7C1360C-166AXI	150	0	500	30	0
AZ100KGAN	G	MR121040	R1	CY7C024AV-25AXCT	150	0	500	30	0
AZ100RJBLN	R	MR121042	R1	CY7C1350G-200AXCT	150	0	500	30	0
AZ44SFHAN	JT	NR113005	R1	CY37032VP44-100AXCKJ	150	0	500	25	0
AZ44SFHAN	JT	NR113005	R1	CY37032VP44-100AXCKJ	150	0	1000	25	0
AZ64IBABL	JT	NR113005	R2	CY7C4265-10AXIKJ	150	0	500	25	0
AZ64IBABL	JT	NR113005	R2	CY7C4265-10AXIKJ	150	0	1000	25	0
AZ100RUCLN	JT	NR113006	R1	CY7C68013A-100AXCKJ	150	0	500	25	0
AZ100RUCLN	JT	NR113006	R1	CY7C68013A-100AXCKJ	150	0	1000	25	0



AZ100RUCLN	JT	NR113006	R2	CY7C68013A-100AXIKJ	150	0	500	25	0
AZ100RUCLN	JT	NR113006	R2	CY7C68013A-100AXIKJ	150	0	1000	25	0
AZ100SFEAL	JT	NR113006	R3	CY7C026AV-25AXIKJ	150	0	500	25	0
AZ100SFEAL	JT	NR113006	R3	CY7C026AV-25AXIKJ	150	0	1000	25	0
Summary for Package Family: TQFP (Pb-Free)			47	records				1634	0
Sum								1634	0
TSOP (Pb-free)									
ZT28R2BCLN	JT	MR114004	R1	CY62256VNLL-70ZXI	150	0	500	30	0
ZT28R2BCLN	JT	NR113004	R3	CY62256VNLL-70ZXC	150	0	500	25	0
ZT28R2BCLN	JT	NR113004	R3	CY62256VNLL-70ZXC	150	0	1000	25	0
ZT28R4BAGL	JT	NR113004	R2	CY7C1399BN-12ZXC	150	0	500	25	0
ZT28R4BAGL	JT	NR113004	R2	CY7C1399BN-12ZXC	150	0	1000	25	0
ZT32RABALL	T	MR113036	R1	CY62128EV30LL-45ZXI	150	0	500	30	0
ZT32RABALL	T	MR113036	R1	CY62128EV30LL-45ZXI	150	0	1000	30	0
ZT32RABALL	T	MR112026	R1	CY62128BNLL-55ZXIT	150	0	1000	30	0
ZT32RABALL	T	MR112026	R1	CY62128BNLL-55ZXIT	150	0	500	30	0
Summary for Package Family: TSOP (Pb-free)			9	records				250	0
Sum								250	0
TSOP I (Pb-Free)									
ZB32RKALL	T	MR111069	R1	CY62128EV30LL-45ZAXI	150	0	1000	30	0
ZB32RKALL	T	MR112006	R1	CY62128EV30LL-45ZAXI	150	0	500	30	0
ZB32RKALL	T	MR112006	R1	CY62128EV30LL-45ZAXI	150	0	1000	30	0
ZB32RHCALN	JT	MR114008	R1	CY62138FV30LL-45ZAXI	150	0	500	30	0
ZB32RHCALN	JT	MR114008	R1	CY62138FV30LL-45ZAXI	150	0	1000	30	0
ZB32RKALL	T	MR114011	R1	CY62128EV30LL-45ZAXI	150	0	500	30	0
ZB32RKALL	T	MR114011	R1	CY62128EV30LL-45ZAXI	150	0	1000	30	0
ZB32RKALL	T	MR113003	R1	CY62128EV30LL-45ZAXI	150	0	500	30	0
ZB32RKALL	T	MR113003	R1	CY62128EV30LL-45ZAXI	150	0	1000	30	0
ZB32RHCALN	JT	NR113004	R1	CY62138FV30LL-45ZAXI	150	0	500	25	0



ZB32RHICALN	JT	NR113004	R1	CY62138FV30LL-45ZAXI	150	0	1000	25	0
Summary for Package Family: TSOP I (Pb-Free)			11	records					
Sum								320	0
TSOP II (Pb-Free)									
ZW444AHILL	JT	111410	R3	7A62126FC	150	0	1000	79	0
ZW444AKDLN	JT	111410	R1	7A134101FC	150	0	1000	80	0
ZW54BGALL	G	MR112042	R1	CY7C1061DV33-10ZSXI	150	0	500	30	0
ZW54BGALL	G	MR112042	R1	CY7C1061DV33-10ZSXI	150	0	1000	30	0
ZW44AAAAGL	RA	MR112046	R1	CY62147EV30LL-45ZSXIT	150	0	500	30	0
ZW44AAAAGL	RA	MR112046	R1	CY62147EV30LL-45ZSXIT	150	0	1000	30	0
ZW54BGALL	G	MR113032	R1	CY7C1061DV33-10ZSXIT	150	0	500	30	0
ZW54BGALL	G	MR113032	R1	CY7C1061DV33-10ZSXIT	150	0	1000	30	0
ZW444ALLR	G	MR113047	R1	CY7C1051DV33-10ZSXI	150	0	500	30	0
ZW444ALLR	G	MR113047	R1	CY7C1051DV33-10ZSXI	150	0	1000	30	0
ZW444YBLL	R	MR113006	R1	CY7C1041BN-15ZXIT	150	0	500	30	0
ZW444YBLL	R	MR113006	R1	CY7C1041BN-15ZXIT	150	0	1000	30	0
ZW324GALL	T	MR112015	R1	CY7C1019DV33-10ZSXIT	150	0	500	30	0
ZW324GALL	T	MR112015	R1	CY7C1019DV33-10ZSXIT	150	0	1000	30	0
ZW444AMLN	R	MR112016	R1	CY62146ELL-45ZSXA	150	0	1000	30	0
ZW444WBCLN	R	MR112020	R1	CY7C1041DV33-10ZSXI	150	0	500	30	0
ZW444WBCLN	R	MR112020	R1	CY7C1041DV33-10ZSXI	150	0	1000	30	0
ZW324CBLL	T	MR113004	R1	CY62148ELL-45ZSXIT	150	0	500	30	0
ZW44AAXAGL	RA	MR113031	R1	CY7C1020DV33-10ZSXI	150	0	500	29	0
ZW44AAXAGL	RA	MR113031	R1	CY7C1020DV33-10ZSXI	150	0	1000	29	0
ZW444AAGLL	T	MR113043	R1	CY71041DV33-10ZSXI	150	0	500	30	0
ZW444AAGLL	T	MR113043	R1	CY71041DV33-10ZSXI	150	0	1000	30	0
ZW44ABXAGL	RA	MR114027	R1	CY62137EV30LL-45ZSXI	150	0	500	30	0
ZW444ALLR	G	MR114043	R1	CY7C1051DV33-10ZSXI	150	0	500	30	0
ZW444AKCLN	R	MR114064	R1	CY7C1011CV33-12ZSXE	150	0	1000	30	0



Summary for Package Family: TSOP II (Pb-Free)				25	records				
Sum								847	0
RTSOP (Pb-free)									
ZY28R2CLN	JT	MR114009	R1	CY62256VNLL-70ZRXIT	150	0	500	30	0
ZY28R2CLN	JT	MR114009	R1	CY62256VNLL-70ZRXIT	150	0	1000	30	0
Summary for Package Family: RTSOP (Pb-free)				2	records				
Sum								60	0



TSSOP (Pb-Free)

ZZ1620GBAN	RA	MR111029	R1	CY22393FXCT	150	0	1000	30	0
ZZ2014BGN	T	MR111031	R1	CY25404ZXI-003T	150	0	1000	30	0
ZZ2014BGN	T	MR112047	R1	CY25404ZXI-003T	150	0	500	30	0
ZZ2014BGN	T	MR112047	R1	CY25404ZXI-003T	150	0	1000	29	0
ZZ1620GDAN	RA	MR113010	R1	CY24293ZXI	150	0	500	30	0
ZZ1620GDAN	RA	MR113010	R1	CY24293ZXI	150	0	1000	30	0
ZZ2014BGN	T	MR113053	R1	CY25404ZXI-003T	150	0	500	30	0
ZZ2014BGN	T	MR113053	R1	CY25404ZXI-003T	150	0	1000	30	0
ZZ1614HAN	T	111405	R1	CY23FS04ZXC	150	0	500	80	0
ZZ1614HAN	T	111405	R1	CY23FS04ZXC	150	0	1000	80	0
ZZ2014BGN	T	111408	R1	CYISM530AZXC	150	0	500	76	0
ZZ2014BGN	T	111408	R1	CYISM530AZXC	150	0	1000	76	0
ZZ1620GBAN	RA	MR112028	R1	CY22393FXCT	150	0	500	30	0
ZZ1620GBAN	RA	MR112028	R1	CY22393FXCT	150	0	1000	30	0
ZZ1613HAN	T	MR113015	R1	CY2308ZXC-1H	150	0	500	30	0
ZZ1613HAN	T	MR113015	R1	CY2308ZXC-1H	150	0	1000	30	0
ZZ1614HAN	T	MR114022	R1	CY22388ZXC-25T	150	0	500	30	0
ZZ1614HAN	T	MR114022	R1	CY22388ZXC-25T	150	0	1000	30	0
ZZ1620GBAN	RA	MR114026	R1	CY22388ZXC-26T	150	0	500	30	0
ZZ1620GBAN	RA	MR114026	R1	CY22388ZXC-26T	150	0	1000	30	0
ZZ1614HAN	T	MR121001	R1	CY25823ZXC	150	0	500	30	0
ZZ1614HAN	T	MR121001	R1	CY25823ZXC	150	0	1000	30	0
ZZ1620GBAN	RA	MR121002	R1	CY22388ZXC-27T	150	0	500	30	0
ZZ1620GBAN	RA	MR121002	R1	CY22388ZXC-27T	150	0	1000	30	0

Summary for Package Family: TSSOP (Pb-Free)

24

records

Sum

911

0

**VFBGA (0.75-0.8,
0.3mm)**



BV48ATALE	RA	MR113030	R1	CY62157DV30LL-55BVIT	150	0	500	30	0
BV48ATALE	RA	MR113030	R1	CY62157DV30LL-55BVIT	150	0	1000	30	0
BV48BNALE	G	MR113066	R1	CY62167DV30LL-70BVI	150	0	500	30	0
BV48BNALE	G	MR112040	R1	CY62167DV30LL-70BVI	150	0	1000	30	0
BV48BNALE	G	MR112040	R1	CY62167DV30LL-70BVI	150	0	500	30	0
BV48ZEAAL	RA	MR112004	R1	CY62157EV30LL-45BVI	150	0	500	30	0
BV48ZEAAL	RA	MR112004	R1	CY62157EV30LL-45BVI	150	0	1000	30	0

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

7 records

Sum

210 0

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

BZ100BABLL	RA	MR111037	R1	CYDM128B16-55BVXI	150	0	1000	30	0
BZ48CQAALL	G	MR111065	R1	CY62136FV30LL-45BVXI	150	0	1000	29	0
BZ48ABBBLL	AT	MR111070	R1	CY62127DV30LL-55BVXIT	150	0	1000	30	0
BZ48ABBBLL	AT	MR111070	R1	CY62127DV30LL-55BVXIT	150	0	500	30	0
BZ100HAALL	RA	MR112001	R1	CYWB0224ABS-BVXI	150	0	500	30	0
BZ100HAALL	RA	MR112001	R1	CYWB0224ABS-BVXI	150	0	1000	30	0
BZ48CMAALL	G	MR112039	R1	CY7C1021DV33-10BVXI	150	0	500	30	0
BZ48CMAALL	G	MR112039	R1	CY7C1021DV33-10BVXI	150	0	1000	30	0
BZ48ABCALL	AT	MR112064	R1	CY62126EV30LL-45BVXIT	150	0	500	30	0
BZ48ABCALL	AT	MR112064	R1	CY62126EV30LL-45BVXIT	150	0	1000	30	0
BZ48CFAALL	G	MR113007	R1	CY62157EV30LL-45BVXIT	150	0	1000	27	0
BZ48CFAALL	G	MR113007	R1	CY62157EV30LL-45BVXIT	150	0	500	30	0
BZ100HAALL	RA	MR113008	R1	CYWB0226ABS-BVXI	150	0	1000	30	0
BZ100HAALL	RA	MR113008	R1	CYWB0226ABS-BVXI	150	0	500	30	0
BZ48ZEAAL	RA	MR112005	R1	CY62157EV30LL-45BVXI	150	0	500	30	0
BZ48ZEAAL	RA	MR112005	R1	CY62157EV30LL-45BVXI	150	0	1000	30	0
BZ48DAGLL	RA	MR113028	R1	CY62137FV30LL-45BVXIT	150	0	500	30	0
BZ48DAGLL	RA	MR113028	R1	CY62137FV30LL-45BVXIT	150	0	1000	30	0



BZ48CNAALL	G	MR114075	R2	CY62167DV30LL-55BVXI	150	0	500	30	0
BZ100BABLL	RA	MR121008	R1	CYDMX128A16-65BVXIT	150	0	500	30	0
Summary for Package Family: VFBGA (0.75-0.8, 0.3mm, Pb-Free)			20	records					
Sum								596	0



Summary Detail -- PCT Performance Over Time

BUILDKIT	ASSY SITE	EVALNUM	TV	DEVICE	TEMP	VOLT	READOUT	SS	REJECT	FA	COMMENTS
UFBGA (Pb-free)											
BU84AAAAAL	G	121302	R1	CY8CTMA1036BUI-33ES2	121	0	168	77	0		
BU84AAAAAL	G	121302	R1	CY8CTMA1036BUI-33ES2	121	0	288	77	0		
Summary for Package Family: UFBGA (Pb-free)			2	records							
Sum								154	0		
FBGA (0.75-0.8, 0.3mm)											
BA48ZGALE	G	MR113048	R1	CY7C1021BNV33L-15BAI			168	30	0		
BA48ZGALE	G	MR113048	R1	CY7C1021BNV33L-15BAI			288	30	0		
BA48ZGALE	G	MR121027	R1	CY7C1021BNV33L-15BAI			168	30	0		
Summary for Package Family: FBGA (0.75-0.8, 0.3mm)			3	records							
Sum								90	0		
FBGA (0.75-0.8, 0.3mm, Pb-free)											
BK121AGAGL	RA	110501	R1	7C07101B	121	0	168	82	0		
BK121AGAGL	RA	110501	R1	7C07101B	121	0	288	82	0		
BK48DJALL	G	MR112036	R1	CY62177DV30LL-55BAXI	121	0	168	30	0		
BK48DJALL	G	MR112036	R1	CY62177DV30LL-55BAXI	121	0	288	30	0		
BK121BGAGL	RA	102402	R1	CYUSB3014-BZXIES	121	0	168	82	0		
BK121BGAGL	RA	102402	R1	CYUSB3014-BZXIES	121	0	288	82	0		
BK121BGAGL	RA	102402	R2	CYUSB3014-BZXIES	121	0	288	73	0		
BK121BGAGL	RA	102402	R4	CYUSB3014-BZXIES	121	0	168	82	0		
BK121BGAGL	RA	102402	R4	CYUSB3014-BZXIES	121	0	288	82	0		
BK121BGAGL	RA	104607	R1	CYUSB3014-BZXIES	121	0	168	82	0		
BK121BGAGL	RA	104607	R1	CYUSB3014-BZXIES	121	0	288	82	0		



BK48DZAAAL	G	113205	R1	CY7C1081DV33-12BAXI	121	0	168	80	0
BK48DZAAAL	G	113303	R1	CY7C1081DV33-12BAXI	121	0	168	80	0
BK48DZAAAL	G	113303	R1	CY7C1081DV33-12BAXI	121	0	288	80	0
BK48DZAAAL	G	113303	R2	CY7C1081DV33-12BAXI	121	0	168	77	0
BK48DZAAAL	G	113303	R2	CY7C1081DV33-12BAXI	121	0	288	76	0
BK48DLBLL	G	MR113033	R1	CY62187EV30LL-55BAXI	121	0	168	30	0
BK48DLBLL	G	MR113033	R1	CY62187EV30LL-55BAXI	121	0	288	29	0
BK48DJALL	G	MR114042	R1	CY62177DV30LL-55BAXI	121	0	168	30	0

Summary for Package Family: FBGA (0.75-0.8, 0.3mm, Pb-free)

19 records

Sum

1271 0

FBGA (1.0-1.27)

BB165DELLE	GQ	110402	R1	CY7C14141KV18	121	0	288	80	0
BB165GABLE	RA	MR104057	R1A	CY7C1518KV18-300BZC	121	0	288	30	0
BB165GABLE	RA	MR104057	R1A	CY7C1518KV18-300BZC	121	0	168	30	0
BB165AHLE	G	MR112063	R1	CY7C1420SV18-250BZC	121	0	288	30	0
BB165AHLE	G	MR112063	R1	CY7C1420SV18-250BZC	121	0	168	30	0
BB165UALE	G	MR111072	R1	CG6607BT	121	0	168	27	0
BB165UALE	G	MR111072	R1	CG6607BT	121	0	288	13	0
BB165BILE	RA	AR1131021	R1	CY7C1412BV18-200BZI	121	0	288	6	0
BB165UALE	G	MR103059	R1A	CY7C1512V18-250BZC	121	0	168	30	0
BB165GALE	RA	MR111036	R1	CY7C1514KV18-250BZC	121	0	288	30	0
BB165GABLE	RA	MR111071	R1	CY7C1518KV18-333BZC	121	0	168	30	0
BB165GABLE	RA	MR111071	R1	CY7C1518KV18-333BZC	121	0	288	30	0
BB165AHLE	G	MR113034	R1	CY7C1420SV18-250BZC	121	0	168	29	0
BB165AHLE	G	MR113034	R1	CY7C1420SV18-250BZC	121	0	288	27	0
BB165AVLE	RA	MR114038	R1	CY7C1305TV25-167BZC	121	0	168	30	0
BB165AVLE	RA	MR114038	R1	CY7C1305TV25-167BZC	121	0	288	24	0



BB165RNALE	RA	MR114058	R1	CY7C1312KV18-250BZC	121	0	168	29	0
BB165RNALE	RA	MR114058	R1	CY7C1312KV18-250BZC	121	0	288	28	0
BB165RNALE	RA	MR121017	R1	CY7C1313KV18-250BZC	121	0	168	30	0
BB165RNALE	RA	MR121017	R1	CY7C1313KV18-250BZC	121	0	288	21	0
BB165RNALE	RA	MR121017	R1	CY7C1313KV18-250BZC	121	0	288	9	0
BB165AHLE	G	MR121020	R1	CY7C1420BV18-200BZC	121	0	168	27	0
BB165AHLE	G	MR121020	R1	CY7C1420BV18-200BZC	121	0	288	26	0
BB165GABLE	RA	NR112001	R5	CY7C1512KV18-250BZC	121	0	168	77	0
BB165GABLE	RA	NR112001	R5	CY7C1512KV18-250BZC	121	0	288	77	0
Summary for Package Family: FBGA (1.0-1.27)			25	records				800	0
Sum								800	0
FBGA (1.0-1.27, Pb-free)									
BW209FAALL	GQ	102201	R3	7C4S1472AO	121	0		75	0
BW209FAALL	GQ	102201	R3	7C4S1472AO	121	0		72	0
BW209FAALL	GQ	102505	R5	CYF0072V33L-133BGXI	121	0		75	0
BW209FAALL	GQ	102505	R5	CYF0072V33L-133BGXI	121	0		74	0
BW165GAALL	RA	MR112045	R1	CY7C1512KV18-250BZXC	121	0		26	0
BW165GAALL	RA	MR112045	R1	CY7C1512KV18-250BZXC	121	0		25	0
BW165GAALL	RA	MR113018	R1	CY7C1512KV18-250BZXI	121	0		30	0
BW165GAALL	RA	MR113018	R1	CY7C1512KV18-250BZXI	121	0		14	0
BW165RJALL	RA	MR113074	R1	CY7C1412KV18-250BZXI	121	0		30	0
BW165RJALL	RA	MR113074	R1	CY7C1412KV18-250BZXI	121	0		30	0
BW165BUALL	G	113007	R1	CY7C1512KO	121	0		80	0
BW165BUALL	G	113007	R1	CY7C1512KO	121	0		80	0
BW165BUALL	G	113007	R2	CY7C1512KO	121	0		80	0
BW165BUALL	G	113007	R2	CY7C1512KO	121	0		80	0
BW100EAGL	G	MR112044	R1	CYP15G0101DXB-BBXI	121	0		30	0
BW100EAGL	G	MR112044	R1	CYP15G0101DXB-BBXI	121	0		30	0
BW100EAGL	G	MR113025	R1	CYP15G0101DXB-BBXC	121	0		30	0



BW100EAGL	G	MR113025	R1	CYP15G0101DXB-BBXC	121	0	30	0	
BW165RJALL	RA	MR114039	R1	CY7C1414KV18-250BZXI	121	0	30	0	
BW165RJALL	RA	MR121035	R1	CY7C1414KV18-250BZXC	121	0	30	0	
BW165GAALL	RA	NR112001	R4	CY7C1565KV18-500BZXI	121	0	76	0	
BW165GAALL	RA	NR112001	R4	CY7C1565KV18-500BZXI	121	0	76	0	
BW165RBALL	RA	NR112001	R6	CY7C1570KV18-450BZXC	121	0	75	0	
BW165RBALL	RA	NR112001	R6	CY7C1570KV18-450BZXC	121	0	75	0	
Summary for Package Family: FBGA (1.0-1.27, Pb-free)			24	records					
Sum							1253	0	
PBGA (1.27)									
BG119SALE	G	MR114040	R1	CY7C1366C-166BGC	168		29	0	
Summary for Package Family: PBGA (1.27)			1	records					
Sum							29	0	
FLIPCHIP CSP (Pb-Free)									
FN81AGAN	AU	MR112068	R1	CYWB0124ABX-FDXI	121	0	168	30	0
FN81AGAN	AU	MR112068	R1	CYWB0124ABX-FDXI	121	0	288	30	0
FN81AAKRCD	GQ	MR112069	R1	CYWB0124ABX-FDXI	121	0	288	30	0
FN81AAKRCD	GQ	MR112069	R1	CYWB0124ABX-FDXI	121	0	168	30	0
FN49	AU	113211	R0	8C20324DC	121	0	168	66	0
FN49ABAAAL	AU	113211	R1A	CY8CTMA300E-49FNXIT	121	0	168	73	0
FN49	AU	113211	R3	CY8CTMA340-FN1-09	121	0	168	62	0
FN49ABAAAL	AU	113211	R4	CP7457KTF	121	0	168	76	0
FN49ABDRCD	DT	114105	R1	CY8CTMA3405-FNI-09KD	121	0	96	87	0
FB131ATBCD	AU	103501	R1	CYWB0263BB-FBXIES	121	0	288	72	0
FB131ATBCD	AU	103501	R1A	CYWB0263BB-FBXIES	121	0	96	81	0
FB131ATBCD	AU	103501	R1A	CYWB0263BB-FBXIES	121	0	168	79	0
FB131ATBCD	AU	103501	R2B	CYWB0263BB-FBXIES	121	0	96	82	0
FB131ATBCD	AU	103501	R2B	CYWB0263BB-FBXIES	121	0	168	82	0



FN49	DT	113102	R1	CY8CTMA340-FNI-09	121	0	96	80	0
FN30BBTRFP	AU	114003	R1	CY8C20767-24FDXCES	121	0	96	71	0
FN49	AU	114103	R1	CY8CTMA340-FN1-09	121	0	168	63	0
FN49ABAAAL	AU	114103	R2A	CP7457KTF	121	0	168	76	0
FN49ABAAAL	AU	MR112078	R1	CG7411AMT	121	0	168	30	0
FN49ABAAAL	AU	MR112078	R1	CG7411AMT	121	0	288	26	0
FN81AGAN	AU	MR113060	R1	CYWB0124ABX-FDXIT	121	0	168	30	0
FN49ACAAAL	GQ	MR113072	R1	CY8CTMA340-FNI-09T	121	0	168	30	0
FN81AGAN	AU	MR114061	R1	CYWB0124ABX-FDXI	121	0	168	30	0
FN81AGAN	AU	MR114061	R1	CYWB0124ABX-FDXI	121	0	288	30	0

Summary for Package Family: FLIPCHIP CSP (Pb-Free)

24 records

Sum

1346 0

PBGA (Cavity/Heat Sink, Pb-free)

BJ256L2GL	G	113003	R1	CYP15G0401DXB-BGXC	121	0	168	77	0
BJ256L2GL	G	113003	R1	CYP15G0401DXB-BGXC	121	0	288	77	0
BJ256L2GL	G	113003	R2	CYP15G0401DXB-BGXC	121	0	168	77	0
BJ256L2GL	G	113003	R2	CYP15G0401DXB-BGXC	121	0	288	77	0
BJ256L2GL	G	MR112057	R1	CYV15G0104TRB-BGXC	121	0	168	30	0
BJ256L2GL	G	MR112057	R1	CYV15G0104TRB-BGXC	121	0	288	30	0
BJ256L2GL	G	MR121007	R1	CYP15G0401DXB-BGXI	121	0	168	30	0
BJ256L2GL	G	MR121007	R1	CYP15G0401DXB-BGXI	121	0	288	30	0

Summary for Package Family: PBGA (Cavity/Heat Sink, Pb-free)

8 records

Sum

428 0

PDIP (Pb-Free)

PZ286EAAGN	X	MR112049	R1	CY62256NLL-70PXC	121	0	168	30	0
PZ286EAAGN	X	MR112049	R1	CY62256NLL-70PXC	121	0	288	30	0
PZ243AAAGN	X	MR113012	R1	CY7C63743C-PXC	121	0	168	30	0



PZ243AAAGN	X	MR113012	R1	CY7C63743C-PXC	121	0	288	30	0
PZ183DPDGN	RA	MR112048	R1	CY7C63723C-PXC	121	0	168	30	0
PZ183DPDGN	RA	MR112048	R1	CY7C63723C-PXC	121	0	288	30	0
PZ243AAAGN	X	MR112053	R1	CY7C63743C-PXC	121	0	168	30	0
PZ243AAAGN	X	MR112053	R1	CY7C63743C-PXC	121	0	288	30	0
PZ183DPDGN	RA	MR113011	R1	CY7C63723C-PXC	121	0	168	30	0
PZ183DPDGN	RA	MR113011	R1	CY7C63723C-PXC	121	0	288	28	0
PZ183DPBGN	RA	MR113087	R1	CS6632AF	121	0	168	30	0
PZ183DPBGN	RA	MR113087	R1	CS6632AF	121	0	288	30	0
PZ183EAAGN	X	MR114021	R1	CY7C63723C-PXC	121	0	168	30	0
PZ183EAAGN	X	MR114021	R1	CY7C63723C-PXC	121	0	288	30	0
PZ183DPDGN	RA	MR121012	R1	CP6238BM	121	0	168	30	0
PZ183DPDGN	RA	MR121012	R1	CP6238BM	121	0	288	30	0
PZ286EAAGN	X	MR121053	R1	CY62256NLL-70PXC	121	0	168	30	0
Summary for Package Family: PDIP (Pb-Free)			17	records					
Sum								508	0
PLCC (Pb-Free)									
JZ32RBGAN	M	MR112030	R1	CY7B991V-2JXCT	121	0	288	29	0
JZ32RBGAN	M	MR112030	R1	CY7B991V-2JXCT	121	0	168	30	0
JZ32RBGAN	M	MR113005	R1	CY7B991V-5JXC	121	0	288	30	0
JZ32RBGAN	M	MR113005	R1	CY7B991V-5JXC	121	0	168	30	0
JZ52SGGAAN	M	113405	R1	CY7C136E-55JXC	121	0	288	78	0
JZ52SGGAAN	M	113405	R1	CY7C136E-55JXC	121	0	168	80	0
JZ52SFGAN	M	MR114045	R1	CY7C136-25JXC	121	0	168	30	0
JZ52SFGAN	M	MR114045	R1	CY7C136-25JXC	121	0	288	30	0
Summary for Package Family: PLCC (Pb-Free)			8	records					
Sum								337	0
PQFP (Pb-free)									
NZ52DXGAN	G	MR112060	R1	CY7C136-55NXCT	121	0	168	30	0



NZ52DXGAN	G	MR112060	R1	CY7C136-55NXCT	121	0	288	30	0
NZ52EAALL	M	113405	R3	CY7C136E-55JXC	121	0	168	78	0
NZ52EAALL	M	113405	R3	CY7C136E-55JXC	121	0	288	76	0
NZ52DXGAN	G	MR113056	R1	CY7C136A-55NXI	121	0	168	30	0
NZ52DXGAN	G	MR113056	R1	CY7C136A-55NXI	121	0	288	30	0
NZ52DXGAN	G	MR114028	R1	CY7C136A-55NXI	121	0	168	30	0
NZ52DXGAN	G	MR114028	R1	CY7C136A-55NXI	121	0	288	30	0

Summary for Package Family: PQFP (Pb-free)

8 records

334 0

Sum

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

LG16AQAAL	G	112603	R1	CY8C20236A-24LKXI	121	0	168	80	0
LG16ABAALL	L	113302	R1	CY8C20236A-24LKXA	121	0	96	80	0
LG16ABAALL	L	113302	R1	CY8C20236A-24LKXA	121	0	168	80	0
LG16ABAALL	L	113302	R2	CY8C20236A-24LKXA	121	0	96	78	0
LG16ABAALL	L	113302	R2	CY8C20236A-24LKXA	121	0	168	78	0
LG16ABAALL	L	113302	R3	CY8C20236A-24LKXA	121	0	96	80	0
LG16ABAALL	L	113302	R3	CY8C20236A-24LKXA	121	0	168	79	0
LG16AAAAL	MB	MR112021	R1	CY8C20236A-24LKXIT	121	0	168	30	0
LG16AAAAL	MB	MR112021	R1	CY8C20236A-24LKXIT	121	0	288	30	0
LG16ABAALL	L	NR111001	R1	CY8C20236A-24LKXIKL	121	0	168	30	0
LG16ABAALL	L	NR111001	R1	CY8C20236A-24LKXIKL	121	0	288	30	0
LG16ABAALL	L	NR111001	R2	CY8C20236A-24LKXIKL	121	0	168	29	0
LG16ABAALL	L	NR111001	R2	CY8C20236A-24LKXIKL	121	0	288	29	0
LG16ABAALL	L	NR111001	R3	CY8C20236A-24LKXIKL	121	0	168	30	0
LG16ABAALL	L	NR111001	R3	CY8C20236A-24LKXIKL	121	0	288	30	0
LG16AAAAL	MB	NR111002	R1	CY8C20236A-24LKXI	121	0	168	30	0
LG16AAAAL	MB	NR111002	R1	CY8C20236A-24LKXI	121	0	288	30	0
LG16AAAAL	MB	NR111002	R2	CY8C20236A-24LKXI	121	0	168	30	0
LG16AAAAL	MB	NR111002	R2	CY8C20236A-24LKXI	121	0	288	30	0



LG16AAAAL	MB	NR111002	R3	CY8C20236A-24LKXI	121	0	168	30	0
LG16AAAAL	MB	NR111002	R3	CY8C20236A-24LKXI	121	0	288	30	0
LG16ADAAAL	CA	114801	R1	CY8C20236A-24LKXIKC	121	0	168	77	0
LG16AQAAAL	G	114903	R1	CY8C20236A-24LKXI	121	0	168	120	0
LG16AQAAAL	G	114903	R2	CY8C20236A-24LKXI	121	0	168	120	0
LG16AQAAAL	G	114903	R3	CY8C20236A-24LKXI	121	0	168	120	0
LG16AQAAAL	G	114903	R4	CY8C20224-12LKXI	121	0	168	113	0
LG16AQAAAL	G	114903	R5	CY8C20110-LDX2I	121	0	168	120	0
LG16ABAALL	L	MR112052	R1	CP7194FT	121	0	168	30	0
LG16ABAALL	L	MR112052	R1	CP7194FT	121	0	288	30	0
LG16AEAAAL	MB	MR113019	R1	CY8C20236A-24LKXIT	121	0	168	30	0
LG16AEAAAL	MB	MR113019	R1	CY8C20236A-24LKXIT	121	0	288	30	0
LG16ABAALL	L	MR113029	R1	CS7412AT	121	0	168	30	0
LG16ABAALL	L	MR113029	R1	CS7412AT	121	0	288	30	0
LG16ABAALL	L	MR114030	R2	CY8C20236A-24LKXIT	121	0	168	30	0
LG16ABAALL	L	MR114032	R2	CY8C20236A-24LKXIT	121	0	168	30	0
Summary for Package Family: QFN (COL, 0.6mm, Saw Type, Pb-free)			35	records					
Sum								1883	0
QFN (0.6mm, Punch Type, Pb-Free)									
LK32AABAGL	L	MR114033	R2	CG7361AMT			168	30	0
Summary for Package Family: QFN (0.6mm, Punch Type, Pb-Free)			1	records					
Sum								30	0
QFN (Punch Type, Pb-Free)									
LY24BGAGL	L	MR112059	R1	CY8C21323-24LFXIT	121	0	288	30	0
LY24BGAGL	L	MR112059	R1	CY8C21323-24LFXIT	121	0	168	30	0
LY40CGAGR	L	MR112018	R1	CYRF69213-40LFXC	121	0	288	30	0
LY40CGAGR	L	MR112018	R1	CYRF69213-40LFXC	121	0	168	30	0
LY40CGAGR	L	MR113023	R1	CYRF69213-40LFXC	121	0	168	30	0



LY40CGAGR	L	MR113023	R1	CYRF69213-40LFXC	121	0	288	30	0	
LY24BGAGL	L	MR113040	R1	CY8C21323-24LFXIT	121	0	168	30	0	
LY24BGAGL	L	MR113040	R1	CY8C21323-24LFXIT	121	0	288	30	0	
LY56DGAGL	L	MR114035	R1	CY8CTMG120-56LFXA	121	0	96	30	0	
LY56DGAGL	L	MR114035	R1	CY8CTMG120-56LFXA	121	0	168	30	0	
LY56AGAGL	L	MR114036	R1	CY7C65630-56LFXA	121	0	96	30	0	
LY56AGAGL	L	MR114036	R1	CY7C65630-56LFXA	121	0	168	30	0	
LY56AGAGL	L	MR121030	R1	CY7C65630-56LFXA	121	0	96	30	0	
Summary for Package Family: QFN (Punch Type, Pb-Free)			13	records						
Sum								390	0	
QFN (Saw Type, Pb-Free)										
LQ56ABAAAL	MB	110707	R1	CY8C24794-24LQXI	121	0	168	77	0	
LQ56ABAAAL	MB	110707	R1	CY8C24794-24LQXI	121	0	288	77	0	
LT40ABAAAL	G	111812	R1	CYRF6936B-40LTXC	121	0	168	77	0	
LT40ABAAAL	G	111812	R1	CYRF6936B-40LTXC	121	0	288	77	0	
LT32BBAAAL	G	111812	R2	CY7C60323-LTXC	121	0	168	80	0	
LT32BBAAAL	G	111812	R2	CY7C60323-LTXC	121	0	288	80	0	
LT56YAAAAL	G	111816	R1	CY7C65640A-LSXC	121	0	168	80	0	
LT56YAAAAL	G	111816	R1	CY7C65640A-LSXC	121	0	288	78	0	
LT68YAAAAL	G	111816	R2	CY8CLED04-68LTXI	121	0	168	79	0	
LT68YAAAAL	G	111816	R2	CY8CLED04-68LTXI	121	0	288	79	0	
LQ32AQAAAL	G	112104	R1	CY8C21434B-24LQXI	121	0	168	80	0	
LQ32QAAAAL	G	112104	R2	CY8C23533-24LQXI	121	0	168	80	0	
LQ56AQAAAL	G	112105	R1	CY8C24794-24LQXI	121	0	168	80	0	
LQ56AQAAAL	G	112105	R1	CY8C24794-24LQXI	121	0	288	80	0	
LQ48AQAAAL	G	112105	R3	CY8CTMA301E5-48LQXI	121	0	168	80	0	
LQ48AQAAAL	G	112105	R3	CY8CTMA301E5-48LQXI	121	0	288	80	0	
LT40BQAAAL	G	112106	R1	CYRF69103-40LTXCES	121	0	168	80	0	
LT48EQAAAL	G	112106	R2	CYWUSB6953-48LTXC	121	0	168	80	0	



LT48CQAAAL	G	112107	R2	CYWUSB6934-48LTXC	121	0	168	77	0
LT48DQAAAL	G	112107	R3	CY8C3866LTI-068	121	0	168	80	0
LQ24AQAAAL	G	112108	R1	CY7C68003-24LQXI	121	0	168	80	0
LT88AAAAAL	RA	113002	R2	CY8CTMA884LTI-13ES	121	0	168	77	0
LT88ABAAAL	K	113802	R4	CY8CTMA884LTI-13ES	121	0	168	80	0
LT88ABAAAL	K	113802	R4	CY8CTMA884LTI-13ES	121	0	288	79	0
LT88ABAAAL	K	113802	R5	CY8CTMA884LTI-13ES	121	0	168	80	0
LT88ABAAAL	K	113802	R5	CY8CTMA884LTI-13ES	121	0	288	79	0
LQ36ABAAAL	RA	MR111009	R1A	CY8CTMA340-LQI-01T	121	0	168	30	0
LQ36ABAAAL	RA	MR111009	R1A	CY8CTMA340-LQI-01T	121	0	288	30	0
LT32BAAAGL	CA	MR111044	R1	CY8C21434-24LTXI	121	0	288	30	0
LQ36AAAAAN	MB	MR111045	R1	CY8CTMA3405-LQI-01	121	0	288	30	0
LT48ABBAAL	MB	MR112022	R1	CP7245BT	121	0	168	30	0
LT48ABBAAL	MB	MR112022	R1	CP7245BT	121	0	288	30	0
LQ32EPDAGL	RA	MR112023	R1	CY8C20446A-24LQXIT	121	0	168	30	0
LQ32EPDAGL	RA	MR112023	R1	CY8C20446A-24LQXIT	121	0	288	30	0
LT56BDAAGL	AE	MR112027	R1	CY7C64215-56LTXC	121	0	168	30	0
LT56BDAAGL	AE	MR112027	R1	CY7C64215-56LTXC	121	0	288	30	0
LQ48AAAAAL	R	MR113039	R1	CY8CTMA340-48LQI-01	121	0	168	30	0
LQ48AAAAAL	R	MR113039	R1	CY8CTMA340-48LQI-01	121	0	288	30	0
LQ48AAAAAL	RA	AR1131017	R1	CY8CTMA340-48LQI-09	121	0	168	21	0
LQ48AAAAAL	RA	AR1131017	R1	CY8CTMA340-48LQI-09	121	0	288	21	0
LT32BAAAGL	CA	MR112014	R1	CY8C21434-24LTXI	121	0	168	30	0
LT32BAAAGL	CA	MR112014	R1	CY8C21434-24LTXI	121	0	288	30	0
LQ32DAGLL	CA	MR112017	R1	CY8C20446A-24LQXIT	121	0	168	30	0
LQ32DAGLL	CA	MR112017	R1	CY8C20446A-24LQXIT	121	0	288	28	0
LQ32DAGLL	CA	MR113038	R1	CY8C20446A-24LQXIT	121	0	168	30	0
LQ32DAGLL	CA	MR113038	R1	CY8C20446A-24LQXIT	121	0	288	30	0
LT88AAAAAL	RA	113002	R1B	CY8CTMA884LTI-13ES	121	0	168	74	0



LT88AAAAAL	RA	113002	R1B	CY8CTMA884LTI-13ES	121	0	288	74	0
LQ48AAAAAL	RA	113211	R1	CY8CTMA340-48LQI-09	121	0	168	78	0
LQ48AAAAGL	RA	113905	R1	CY8CTMA443-48LQIES2	121	0	168	77	0
LQ48AAAAGL	RA	113905	R1	CY8CTMA443-48LQIES2	121	0	288	77	0
LQ48AQAAAL	G	113905	R3	CY8CTMA443-48LQIES	121	0	168	80	0
LQ48AQAAAL	G	113905	R3	CY8CTMA443-48LQIES	121	0	288	80	0
LQ48AQAAAL	G	113905	R4	CY8CTMA443-48LQIES	121	0	168	80	0
LQ48AQAAAL	G	113905	R4	CY8CTMA443-48LQIES	121	0	288	80	0
LQ36ABAAAL	RA	114301	R1A	CY8CTMA300E-36LQXI	121	0	168	80	0
LQ36ABAAAL	RA	114301	R2A	CY8CTMA300E-36LQXI	121	0	168	80	0
LQ36ABAAAL	RA	114301	R3A	CY8CTMA300E-36LQXI	121	0	168	80	0
LQ48AAAAGL	RA	112207	R1	CY8CTMA443-48LQIES	121	0	168	77	0
LQ48AAAAGL	RA	112207	R1	CY8CTMA443-48LQIES	121	0	288	77	0
LT88AAAAAL	RA	113002	R2-Split1	CY8CTMA884LTI-13ES	121	0	288	76	0
LT88AAAAAL	RA	113002	R2-Split2	CY8CTMA884LTI-13ES	121	0	288	1	0
LT68YAAAAL	G	113603	R1	CY8C3865LTI-014	121	0	168	77	0
LT68YAAAAL	G	113603	R2	CY8C3865LTI-014	121	0	168	77	0
LT88AAAAAL	RA	113804	R1	CY8CTMA884LTI-13ES	121	0	168	78	0
LT88AAAAAL	RA	113804	R1	CY8CTMA884LTI-13ES	121	0	288	78	0
LT88AAAAAL	RA	113804	R2	CY8CTMA884LTI-13ES	121	0	168	80	0
LT88AAAAAL	RA	113804	R2	CY8CTMA884LTI-13ES	121	0	288	80	0
LQ48AQAAAL	G	114101	R1	CY8CTMA443-48LQIES	121	0	168	80	0
LQ48AQAAAL	G	114101	R2	CY8CTMA443-48LQIES	121	0	168	80	0
LT68ADAAGL	RA	114110	R1A	CY8C5568LTI-114	121	0	288	80	0
LT68ADAAGL	RA	114110	R2A	CY8C5568LTI-114	121	0	168	80	0
LT68ADAAGL	RA	114110	R2A	CY8C5568LTI-114	121	0	288	80	0
LQ24AQAAAL	G	114401	R1	CY7C63803-LQXC	121	0	168	220	0
LQ24AQAAAL	G	114401	R2	CY8C20324-12LQXI	121	0	168	220	0
LQ32QAAAAAL	G	114401	R3	CY8CTMG240-LQI-01	121	0	168	220	0



LQ48AQAAAL	G	114403	R1	CY8CTMA300E-48LQXI	121	0	168	100	0
LQ48AQAAAL	G	114403	R2	CY8CTMA300E-48LQXI	121	0	168	100	0
LQ48AQAAAL	G	114403	R3	CY8CTMA300E-48LQXI	121	0	168	100	0
LQ56AQAAAL	G	114404	R1	CY8C24794-24LQXI	121	0	168	100	0
LQ56AQAAAL	G	114404	R2	CY8C24794-24LQXI	121	0	168	100	0
LQ56AQAAAL	G	114404	R3	CY8C24794-24LQXI	121	0	168	100	0
LT68ADAAGL	RA	114407	R1	CY8C5568LTI-114	121	0	96	72	0
LT68ADAAGL	RA	114407	R1	CY8C5568LTI-114	121	0	168	80	0
LT68ADAAGL	RA	114407	R1	CY8C5568LTI-114	121	0	288	80	0
LT68ADAAGL	RA	114407	R2	CY8C5568LTI-114	121	0	168	68	0
LT56BDAAGL	AE	114801	R3	CP6944DA	121	0	168	79	0
LQ48AAAAAL	RA	114801	R2	CY8CTMA340-48LQI-03	121	0	168	80	0
LQ48AAAAAL	RA	114801	R2	CY8CTMA340-48LQI-03	121	0	176	80	0
LT40ABAAAL	G	114904	R1	CYRF6986-40LTXC	121	0	168	120	0
LT40ABAAAL	G	114904	R2	CYRF6986-40LTXC	121	0	168	120	0
LT40ABAAAL	G	114904	R3	CYRF6986-40LTXC	121	0	168	120	0
LT48AQAAAL	G	114905	R1	CY8C27643-24LTXI	121	0	168	120	0
LT48CQAAAL	G	114905	R2	CYWUSB6934-48LTXC	121	0	168	120	0
LT48DQAAAL	G	114905	R3	CY8C3866LTI-068	121	0	168	120	0
LT56YAAAAL	G	114906	R1	CY7C65630-56LTXC	121	0	168	120	0
LT68YAAAAL	G	114906	R2	CY8C3866LTI-030	121	0	168	120	0
LT68YAAAAL	G	114906	R3	CY8C3866LTI-030	121	0	168	120	0
LT32BBAAAL	G	114907	R1	CY8C21434-24LTXI	121	0	168	120	0
LT32BBAAAL	G	114907	R2	CY22391LTXC-06	121	0	168	126	0
LT32BBAAAL	G	114907	R3	CY7C63833-LTXC	121	0	168	120	0
LQ44AAAAALN	G	120407	R1	CY8CTMA443-44LQIES	121	0	168	80	0
LQ44AAAAALN	G	120407	R1	CY8CTMA443-44LQIES	121	0	168	80	0
LQ44AAAAALN	G	120407	R1	CY8CTMA443-44LQIES	121	0	288	79	0
LQ32EPDAGL	RA	MR111007	R1A	CY8C20436A-24LQXIT	121	0	168	30	0



LQ32EPDAGL	RA	MR111007	R1A	CY8C20436A-24LQXIT	121	0	288	30	0
LQ24ADAAGL	CA	MR111043	R1	CY8CTST200A-24LQXI	121	0	288	30	0
LT68ADAAGL	RA	MR112002	R1	CY8C3446LTI-085	121	0	168	30	0
LT68ADAAGL	RA	MR112002	R1	CY8C3446LTI-085	121	0	288	23	0
LQ32ACBAGL	MB	MR112012	R1	CP6745DMT	121	0	168	30	0
LQ32ACBAGL	MB	MR112012	R1	CP6745DMT	121	0	288	30	0
LQ24ADAAGL	CA	MR112013	R1	CY8CTST200A-24LQXIT	121	0	168	30	0
LQ24ADAAGL	CA	MR112013	R1	CY8CTST200A-24LQXIT	121	0	288	30	0
LQ48AAAAAL	RA	MR112019	R1	CG7394AMT	121	0	168	30	0
LQ48AAAAAL	RA	MR112019	R1	CG7394AMT	121	0	288	30	0
LQ36AAAAAN	MB	MR113020	R1	CY8CTMA300E-36LQXI	121	0	168	30	0
LQ36AAAAAN	MB	MR113020	R1	CY8CTMA300E-36LQXI	121	0	288	30	0
LT32BAAAGL	CA	MR113021	R1	CY8C21434-24LTXIT	121	0	168	30	0
LT32BAAAGL	CA	MR113021	R1	CY8C21434-24LTXIT	121	0	288	30	0
LT48ABBAAL	MB	MR113024	R1	CY8C20646A-24LTXI	121	0	168	30	0
LT56BDAAGL	AE	MR113050	R1	CG7158DMT	121	0	168	30	0
LT56BDAAGL	AE	MR113050	R1	CG7158DMT	121	0	288	30	0
LQ48AAAAAL	RA	MR113059	R1	CG7415AF	121	0	168	30	0
LQ48AAAAAL	RA	MR113059	R1	CG7415AF	121	0	288	30	0
LQ36AAAAAL	L	MR113075	R1	CY8CTMA375-LQI-01	121	0	168	78	0
LQ36AAAAAL	L	MR113075	R1	CY8CTMA375-LQI-01	121	0	288	78	0
LQ48AAAAAL	RA	MR113075	R2	CY8CTMA340-48LQI-01T	121	0	168	80	0
LQ48AAAAAL	RA	MR113075	R2	CY8CTMA340-48LQI-01T	121	0	288	80	0
LQ36AAAAAN	MB	MR113075	R3	CY8CTMA300E-36LQXI	121	0	168	80	0
LQ36AAAAAN	MB	MR113075	R3	CY8CTMA300E-36LQXI	121	0	288	80	0
LQ48AAAAAL	RA	MR113075	R4	CY8CTMA340-48LQI-01T	121	0	168	80	0
LQ48AAAAAL	RA	MR113075	R4	CY8CTMA340-48LQI-01T	121	0	288	80	0
LQ48AAAAAL	RA	MR113075	R5	CY8CTMA340-48LQI-01T	121	0	168	80	0
LQ48AAAAAL	RA	MR113075	R5	CY8CTMA340-48LQI-01T	121	0	288	80	0



LT56BDAAGL	AE	MR114012	R1	CG7243AMT	121	0	168	30	0
LQ32CCAAL	CA	MR114013	R1	CP6745DMT	121	0	168	30	0
LQ32CCAAL	CA	MR114013	R1	CP6745DMT	121	0	288	30	0
LT48ABBAAL	MB	MR114014	R1	CP7408AT	121	0	168	30	0
LQ36AAAAAN	MB	MR114015	R1	CY8CTMA340-LQI-01T	121	0	168	30	0
LQ48AAAAAL	RA	MR114016	R1	CY8CTMA340-48LQI-09	121	0	168	30	0
LQ36AAAAAL	L	MR114031	R2	CP7340ATT	121	0	168	30	0
LT48AQAAAL	G	MR114071	R2	CY8C20636A-24LTXI	121	0	168	30	0
LQ48AQAAAL	G	MR121005	R1	CY8CTMA340-48LQI-01T	121	0	168	30	0
LT48CQAAAL	G	MR121009	R1	CYWUSB6935-48LTXIKG	121	0	168	30	0
LQ32EPDAGL	RA	MR121013	R1	CY8CTMG240-LQI-01	121	0	168	30	0
LT32BBAAAL	G	MR121014	R1	CY8C21434-24LTXIT	121	0	168	30	0
LT32BAABGL	RA	MR121015	R1	CY8C21434-24LTXI	121	0	168	30	0
LT56BDAAGL	AE	MR121038	R1	CG7243AMT	121	0	168	30	0
LQ36ABAAAL	RA	NR104002	R1A	CP7248AT	121	0	168	25	0
LQ36ABAAAL	RA	NR104002	R2A	CP7248AT	121	0	168	25	0
LQ36ABAAAL	RA	NR104002	R2A	CP7248AT	121	0	288	25	0
LQ36ABAAAL	RA	NR104002	R3A	CP7248AT	121	0	168	25	0
LQ48AAAAAL	RA	NR104003	R1A	CY8CTMA3405-48LQI-01	121	0	168	25	0
LQ48AAAAAL	RA	NR104003	R1A	CY8CTMA3405-48LQI-01	121	0	288	25	0
LQ48AAAAAL	RA	NR104003	R2A	CY8CTMA300E5-48LQXI	121	0	168	25	0
LQ48AAAAAL	RA	NR104003	R2A	CY8CTMA300E5-48LQXI	121	0	288	25	0
LQ48AAAAAL	RA	NR104003	R3A	CY8CTMA300E-48LQXI	121	0	168	25	0
LQ48AAAAAL	RA	NR104003	R3A	CY8CTMA300E-48LQXI	121	0	288	25	0
LQ56ABAAAL	MB	NR113001	R1	CY8C24794-24LQXIT	121	0	168	30	0
LQ56ABAAAL	MB	NR113001	R1	CY8C24794-24LQXIT	121	0	288	30	0
LQ56ABAAAL	MB	NR113001	R2	CY8C24794-24LQXIT	121	0	168	30	0
LQ56ABAAAL	MB	NR113001	R2	CY8C24794-24LQXIT	121	0	288	30	0
LQ56ABAAAL	MB	NR113001	R3	CY8C24794-24LQXIT	121	0	168	30	0



LQ56ABAAAL	MB	NR113001	R3	CY8C24794-24LQXIT	121	0	288	30	0
LQ56AAAAAL	RA	NR114002	R1	CY8C24794-24LQXIT	121	0	168	25	0
LQ56AAAAAL	RA	NR114002	R1	CY8C24794-24LQXIT	121	0	288	24	0
LQ56AAAAAL	RA	NR114002	R2	CY8C24794-24LQXIT	121	0	168	25	0
LQ56AAAAAL	RA	NR114002	R2	CY8C24794-24LQXIT	121	0	288	25	0
LQ56AAAAAL	RA	NR114002	R3	CY8C24794-24LQXIT	121	0	168	25	0
LQ56AAAAAL	RA	NR114002	R3	CY8C24794-24LQXIT	121	0	288	25	0



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

170 records

Sum 10549 0

QSOP (Pb-Free)

SQ2414ABGN	R	MR111076	R1	CY7C63743C-QXC	121	0	168	30	0
SQ2414ABGN	R	MR111076	R1	CY7C63743C-QXC	121	0	288	30	0
SQ2414ACGN	JT	MR114029	R2	CY7C63823-QXC	121	0	168	30	0
SQ2414ACGN	JT	MR121036	R1	CY7C63823-QXC	121	0	168	30	0
SQ2414ACGN	JT	NR113002	R1	CY7C63823-QXC	121	0	168	25	0
SQ2414ACGN	JT	NR113002	R1	CY7C63823-QXC	121	0	288	25	0

Summary for Package Family: QSOP (Pb-Free)

6 records

Sum 170 0

SNC (Pb-Free)

SY2831BBLN	R	MR112034	R1	CY62256NLL-55SNXI	121	0	288	30	0
SY2831BBLN	R	MR112034	R1	CY62256NLL-55SNXI	121	0	168	30	0
SY2831BBLN	R	MR113001	R1	CG6715AMT	121	0	168	30	0
SY2831BBLN	R	MR113001	R1	CG6715AMT	121	0	288	30	0
SY2831BCLN	JT	MR114017	R1	CY62256NLL-70SNXC	121	0	168	30	0
SY2831BCLN	JT	MR114017	R1	CY62256NLL-70SNXC	121	0	288	30	0

Summary for Package Family: SNC (Pb-Free)

6 records

Sum 180 0

SOIC (Pb Free)

SZ324513AN	JT	111411	R1	7A62128ZHC	121	0	96	80	0
SZ324513AN	JT	111411	R1	7A62128ZHC	121	0	168	80	0
SZ32457ALN	JT	111411	R2	7A62128KC	121	0	96	80	0
SZ32457ALN	JT	111411	R2	7A62128KC	121	0	168	80	0
SZ32457ALN	JT	111411	R3	7A62128KC	121	0	96	80	0
SZ32457ALN	JT	111411	R3	7A62128KC	121	0	168	80	0
SZ28327BGL	R	MR104070	R1	CY8C21345-24SXI	121	0	288	30	0



SZ323ACAGR	M	MR111038	R1A	STK14C88-3NF45ITR	121	0	168	30	0
SZ323ACAGR	M	MR111038	R1A	STK14C88-3NF45ITR	121	0	288	30	0
SZ28327BGL	R	MR111055	R1	CY8C27443-24SXIT	121	0	288	30	0
SZ324513N	R	MR111064	R1	CY62128BNLL-70SXET	121	0	96	30	0
SZ324513N	R	MR111064	R1	CY62128BNLL-70SXET	121	0	168	30	0
SZ324513N	R	MR111064	R1	CY62128BNLL-70SXET	121	0	288	30	0
SZ1615KDGN	RA	MR112010	R1	CY2292FXC	121	0	168	30	0
SZ1615KDGN	RA	MR112010	R1	CY2292FXC	121	0	288	30	0
SZ183CPEAN	RA	AR1131009	R1	CY7C63723C-SXC	121	0	168	22	0
SZ323AEGAS	M	MR112031	R1	CY14B256LA-SZ45XIT	121	0	168	30	0
SZ323AEGAS	M	MR112031	R1	CY14B256LA-SZ45XIT	121	0	288	30	0
SZ24315EGN	RA	MR112032	R1	CY7C63743C-SXC	121	0	168	30	0
SZ24315EGN	RA	MR112032	R1	CY7C63743C-SXC	121	0	288	30	0
SZ324513N	R	MR112035	R1	CY62128BNLL-70SXET	121	0	96	30	0
SZ324513N	R	MR112035	R1	CY62128BNLL-70SXET	121	0	168	30	0
SZ324513N	R	MR112035	R1	CY62128BNLL-70SXET	121	0	288	30	0
SZ815PAEGN	RA	MR114001	R1	CY2305SXI-1H	121	0	168	30	0
SZ815PAEGN	RA	MR114001	R1	CY2305SXI-1H	121	0	288	30	0
SZ0815TAGN	T	111403	R1	CY25402SXC-007	121	0	168	80	0
SZ0815TAGN	T	111403	R1	CY25402SXC-007	121	0	288	80	0
SZ0815TAGN	T	111403	R2	CY25402SXC-007	121	0	168	80	0
SZ0815TAGN	T	111403	R2	CY25402SXC-007	121	0	288	80	0
SZ28	JT	113907	R1	8C294665A	121	0	168	77	0
SZ28327BGL	JT	113907	R2	8C294665A	121	0	168	77	0
SZ28	JT	113907	R3	8C294665A	121	0	168	77	0
SZ324513AN	JT	115206	R1	CY62128BNLL-70SXE	121	0	96	80	0
SZ324513AN	JT	115206	R1	CY62128BNLL-70SXE	121	0	168	80	0
SZ324513AN	JT	115206	R2	CY62128BNLL-70SXE	121	0	96	80	0
SZ324513AN	JT	115206	R2	CY62128BNLL-70SXE	121	0	168	80	0



SZ324513AN	JT	115206	R3	CY62128BNLL-70SXE	121	0	96	80	0
SZ324513AN	JT	115206	R3	CY62128BNLL-70SXE	121	0	168	80	0
SZ324513AN	JT	120110	R1	CY62128BNLL-70SXE	121	0	96	80	0
SZ324513AN	JT	120110	R1	CY62128BNLL-70SXE	121	0	168	80	0
SZ324513AN	JT	120110	R2	CY62128BNLL-70SXE	121	0	96	80	0
SZ324513AN	JT	120110	R2	CY62128BNLL-70SXE	121	0	168	80	0
SZ324513AN	JT	120110	R3	CY62128BNLL-70SXE	121	0	96	80	0
SZ324513AN	JT	120110	R3	CY62128BNLL-70SXE	121	0	168	80	0
SZ323ACAGR	M	MR103055	R1A	STK14C88-3NF35TR	121	0	288	30	0
SZ323ACAGR	M	MR104062	R1A	STK14C88-3NF35TR	121	0	168	30	0
SZ323ACAGR	M	MR104062	R1A	STK14C88-3NF35TR	121	0	288	30	0
SZ815CGAAS	M	MR112007	R1	CY2305CSXA-1HT	121	0	96	29	0
SZ815CGAAS	M	MR112007	R1	CY2305CSXA-1HT	121	0	168	29	0
SZ815CGAAS	M	MR112007	R1	CY2305CSXA-1HT	121	0	288	29	0
SZ1615FAL	T	MR112065	R1	CY7C63803-SXC	121	0	168	30	0
SZ1615FAL	T	MR112065	R1	CY7C63803-SXC	121	0	288	30	0
SZ28327BGL	R	MR112066	R1	CY8C27443-24SXI	121	0	168	30	0
SZ28327BGL	R	MR112066	R1	CY8C27443-24SXI	121	0	288	30	0
SZ324513BN	R	MR113002	R1	CY62128BNLL-55SXI	121	0	168	30	0
SZ324513BN	R	MR113002	R1	CY62128BNLL-55SXI	121	0	288	30	0
SZ1615KDGN	RA	MR113009	R1	CY2292FXC	121	0	168	30	0
SZ1615KDGN	RA	MR113009	R1	CY2292FXC	121	0	288	30	0
SZ183CPEAN	RA	MR113016	R1	CY7C63723C-SXC	121	0	168	30	0
SZ183CPEAN	RA	MR113016	R1	CY7C63723C-SXC	121	0	288	30	0
SZ28327BGL	R	MR113017	R1	CY8C21345-24SXI	121	0	168	30	0
SZ28327BGL	R	MR113017	R1	CY8C21345-24SXI	121	0	288	30	0
SZ323AEGAS	M	MR113035	R1	CY14B101LA-SZ25XIT	121	0	168	30	0
SZ323AEGAS	M	MR113035	R1	CY14B101LA-SZ25XIT	121	0	288	30	0
SZ1615FAL	T	MR113045	R1	CY23EP09SXC-1HT	121	0	168	30	0



SZ1615EGN	M	MR113071	R1	CY2309SXI-1H	121	0	168	30	0
SZ1615EGN	M	MR113071	R1	CY2309SXI-1H	121	0	288	30	0
SZ32458CLN	JT	MR114002	R1	CY62128ELL-45SXIT	121	0	168	30	0
SZ32458CLN	JT	MR114002	R1	CY62128ELL-45SXIT	121	0	288	30	0
SZ1615FAL	T	MR114019	R1	CY7C63801-SXC	121	0	168	30	0
SZ1615FAL	T	MR114019	R1	CY7C63801-SXC	121	0	288	30	0
SZ24315EGN	RA	MR114020	R1	CY7C63743C-SXCT	121	0	168	30	0
SZ815CGAAS	M	MR114037	R1	CY2305CSXA-1H	121	0	96	30	0
SZ815CGAAS	M	MR114037	R1	CY2305CSXA-1H	121	0	168	30	0
SZ815CGAAS	M	MR114037	R1	CY2305CSXA-1H	121	0	288	30	0
SZ1615BKGN	RA	MR121006	R1	CY8C21234-24SXI	121	0	168	30	0
SZ32451BLN	JT	MR121010	R1	CY7C53120E2-10SXI	121	0	168	30	0
SZ24315DGN	RA	MR121011	R1	CY7C63823-SXC	121	0	168	30	0
SZ815CGAAS	M	MR121028	R1	CY2305CSXA-1HT	121	0	96	30	0
SZ815CGAAS	M	MR121028	R1	CY2305CSXA-1HT	121	0	168	30	0
SZ0815TAGN	T	MR121045	R1	CY25422FSXI	121	0	168	30	0
SZ0815TAGN	T	MR121045	R1	CY25422FSXI	121	0	288	30	0
Summary for Package Family: SOIC (Pb Free)			82	records				3690	0
Sum								3690	0
SOJ									
V243GAAAGN	X	MR112050	R1	CY7C197BN-15VCT	121	0	288	30	0
V243GAAAGN	X	MR112050	R1	CY7C197BN-15VCT	121	0	168	30	0
V243GAAAGN	X	MR113065	R1	CY7C197BN-15VC	121	0	168	30	0
Summary for Package Family: SOJ			3	records				90	0
Sum								90	0
SOJ (Pb-Free)									
VZ444YBLL	JT	111804	R1	7A134101FC	121	0	96	80	0
VZ444YBLL	JT	111804	R1	7A134101FC	121	0	168	80	0
VZ444WHGL	JT	111804	R2	7A1021SFC	121	0	96	80	0



VZ444WHGL	JT	111804	R2	7A1021SFC	121	0	168	80	0
VZ444ZCLL	JT	111804	R3	7A122101GC	121	0	96	80	0
VZ444ZCLL	JT	111804	R3	7A122101GC	121	0	168	80	0
VZ3649BALN	R	AR1131004	R1	CY7C1049DV33-10VXI	121	0	288	18	0
VZ3649BALN	R	AR1131004	R1	CY7C1049DV33-10VXI	121	0	168	18	0
VZ2847AAAR	OP	MR111047	R1	CY7C107D-10VXI	121	0	288	30	0
VZ444ACBLN	R	MR112008	R1	CY7C1021DV33-10VXI	121	0	168	30	0
VZ444ACBLN	R	MR112008	R1	CY7C1021DV33-10VXI	121	0	288	30	0
VZ32314BLL	R	MR112033	R1	CY7C1009D-10VXIT	121	0	168	30	0
VZ32314BLL	R	MR112033	R1	CY7C1009D-10VXIT	121	0	288	30	0
VZ2847AAAR	OP	MR112051	R1	CY7C107D-10VXI	121	0	168	30	0
VZ2847AAAR	OP	MR112051	R1	CY7C107D-10VXI	121	0	288	30	0
VZ444ACBLN	R	MR113049	R1	CG7109AM	121	0	168	30	0
VZ444ACBLN	R	MR113049	R1	CG7109AM	121	0	288	30	0
VZ28311KLL	R	MR113064	R1	CY7C1399BN-15VXAT	121	0	96	30	0
VZ28311KLL	R	MR113064	R1	CY7C1399BN-15VXAT	121	0	168	30	0
VZ32314CLL	JT	MR114044	R1	CY7C1018DV33-10VXIT	121	0	168	30	0
VZ32314CLL	JT	MR114044	R1	CY7C1018DV33-10VXIT	121	0	288	30	0
VZ32420DLL	JT	MR121023	R1	CY7C1019D-10VXI	121	0	168	30	0
VZ32314CLL	JT	MR121024	R1	CY7C1009D-10VXI	121	0	168	30	0
VZ32420DLL	JT	NR113003	R1	CY7C109D-10VXI	121	0	168	25	0
VZ32420DLL	JT	NR113003	R1	CY7C109D-10VXI	121	0	288	25	0
VZ32421CLL	JT	NR113003	R2	CY7C1046DV33-10VXI	121	0	168	25	0
VZ32421CLL	JT	NR113003	R2	CY7C1046DV33-10VXI	121	0	288	25	0
VZ3649BBLN	JT	NR114001	R1	CY7C1049D-10VXIKJ	121	0	168	25	0
VZ3649BBLN	JT	NR114001	R1	CY7C1049D-10VXIKJ	121	0	288	25	0
VZ444ADDLN	JT	NR114001	R2	CY7C1041DV33-10VXIKJ	121	0	168	25	0
VZ444ADDLN	JT	NR114001	R2	CY7C1041DV33-10VXIKJ	121	0	288	25	0

Summary for Package Family: SOJ (Pb-Free)

31

records



Sum

1166

0

SSOP (Pb-Free)

SP483JAAAL	R	104407	R1	CY8C20566A-12PVXE	121	0	96	80	0
SP483JAAAL	R	104407	R1	CY8C20566A-12PVXE	121	0	168	80	0
SP483JAAAL	R	104407	R2	CY8C20566A-12PVXE	121	0	96	80	0
SP483JAAAL	R	104407	R2	CY8C20566A-12PVXE	121	0	168	80	0
SP483JAAAL	R	104407	R3	CY8C20566A-12PVXE	121	0	96	80	0
SP483JAAAL	R	104407	R3	CY8C20566A-12PVXE	121	0	168	80	0
SP483JABLL	JT	105201	R1	CY8C29666-12PVXE	121	0	96	79	0
SP483JABLL	JT	105201	R1	CY8C29666-12PVXE	121	0	168	79	0
SP483JABLL	JT	105201	R2	CY8C21645-12PVXE	121	0	96	80	0
SP483JABLL	JT	105201	R2	CY8C21645-12PVXE	121	0	168	80	0
SP483JABAL	JT	105201	R3	CY8C20566A-12PVXE	121	0	96	80	0
SP483JABAL	JT	105201	R3	CY8C20566A-12PVXE	121	0	168	80	0
SP483HAAGR	M	MR104061	R1A	CY14B101L-SP35XI	121	0	168	30	0
SP483HAAGR	M	MR104061	R1A	CY14B101L-SP35XI	121	0	288	30	0
SP2023GAL	T	MR111012	R1A	CY8C21323-24PVXI	121	0	168	30	0
SP2023GAL	T	MR111012	R1A	CY8C21323-24PVXI	121	0	288	30	0
SP483FBKGN	RA	MR112011	R1	CY8C20536A-24PVXIT	121	0	168	30	0
SP483FBKGN	RA	MR112011	R1	CY8C20536A-24PVXIT	121	0	288	30	0
SP483FBKGN	RA	AR1131008	R1	CY8C20536A-24PVXIT	121	0	168	22	0
SP483FBKGN	RA	AR1131008	R1	CY8C20536A-24PVXIT	121	0	288	22	0
SP2822BGL	M	MR111057	R1	CY8C21534-24PVXAT	121	0	96	30	0
SP2822BGL	M	MR111057	R1	CY8C21534-24PVXAT	121	0	168	30	0
SP2822BGL	M	MR111057	R1	CY8C21534-24PVXAT	121	0	288	30	0
SP28214GL	T	MR113052	R1	CY8C21534-24PVXI	121	0	168	30	0
SP28214GL	T	MR113052	R1	CY8C21534-24PVXI	121	0	288	30	0
SP28213GL	T	111402	R1	CY8C29466-24PVXI	121	0	168	80	0
SP28213GL	T	111402	R1	CY8C29466-24PVXI	121	0	288	80	0



SP28213GL	T	111402	R2	CY8C29466-24PVXI	121	0	168	80	0
SP28213GL	T	111402	R2	CY8C29466-24PVXI	121	0	288	80	0
SP483JABLL	JT	105205	R1	CY8C29666-12PVXE	121	0	96	79	0
SP483JABLL	JT	105205	R2	CY8C21645-12PVXE	121	0	96	80	0
SP483JABAL	JT	105205	R3	CY8C20566A-12PVXE	121	0	96	80	0
SP483FBBGN	RA	MR111010	R1A	CY7C63413C-PVXCT	121	0	288	29	0
SP2822BGL	M	MR112009	R1	CY8C21534-24PVXAT	121	0	96	30	0
SP2822BGL	M	MR112009	R1	CY8C21534-24PVXAT	121	0	168	30	0
SP2822BGL	M	MR112009	R1	CY8C21534-24PVXAT	121	0	288	30	0
SP282ABBGN	RA	MR112024	R1	CY8C24533-24PVXI	121	0	168	30	0
SP282ABBGN	RA	MR112024	R1	CY8C24533-24PVXI	121	0	288	30	0
SP483JBALL	R	MR112029	R1	CY14B101LA-SP25XI	121	0	168	30	0
SP483JBALL	R	MR112029	R1	CY14B101LA-SP25XI	121	0	288	30	0
SP483ACGAN	R	MR113013	R1	CY8C20536A-24PVXIT	121	0	168	30	0
SP483ACGAN	R	MR113013	R1	CY8C20536A-24PVXIT	121	0	288	30	0
SP282ABBGN	RA	MR113014	R1	CY8C21534-24PVXI	121	0	168	30	0
SP282ABBGN	RA	MR113014	R1	CY8C21534-24PVXI	121	0	288	30	0
SP2822BGL	M	MR113037	R1	CY8C21534-24PVXA	121	0	96	30	0
SP2822BGL	M	MR113037	R1	CY8C21534-24PVXA	121	0	168	30	0
SP2822BGL	M	MR113037	R1	CY8C21534-24PVXA	121	0	288	29	0
SP2822BGL	M	MR114003	R1	CP7407ATT	121	0	96	30	0
SP2822BGL	M	MR114003	R1	CP7407ATT	121	0	168	30	0
SP2822BGL	M	MR114003	R1	CP7407ATT	121	0	288	30	0
SP282ABBGN	RA	MR114023	R1	CY8C24533-24PVXI	121	0	168	30	0
SP282ABBGN	RA	MR114023	R1	CY8C24533-24PVXI	121	0	288	30	0
SP563DBCNG	JT	MR121016	R1	CY7C68013A-56PVXC	121	0	168	30	0
SP483FBKGN	RA	MR121019	R1	CY8C20536A-24PVXIT	121	0	168	30	0
SP282ABBGN	RA	MR121043	R1	CY8C27443-24PVXIT	121	0	168	30	0
SP2824HAN	T	MR121052	R1	CY8C24533-24PVXI	121	0	168	30	0



SP483EBCAL	JT	NR113007	R1	CY8C27643-24PVXI	121	0	168	25	0
SP483EBCAL	JT	NR113007	R1	CY8C27643-24PVXI	121	0	288	25	0
SP563DBC GN	JT	NR113007	R2	CY7C68013A-56PVXC	121	0	168	25	0
SP563DBC GN	JT	NR113007	R2	CY7C68013A-56PVXC	121	0	288	25	0
SP563DBC GN	JT	NR113007	R3	CY7C68013A-56PVXC	121	0	168	25	0
SP563DBC GN	JT	NR113007	R3	CY7C68013A-56PVXC	121	0	288	25	0
Summary for Package Family: SSOP (Pb-Free)			62	records				2759	0
Sum								2759	0
TQFP									
A64IBAABL N	JT	NR113005	R3	CY7C144AV-25ACKJ			168	25	0
A64IBAABL N	JT	NR113005	R3	CY7C144AV-25ACKJ			168	25	0
Summary for Package Family: TQFP			2	records					
Sum								50	0
TQFP (Pb-Free)									
AZ100SFHAL	JT	110905	R4A	CY8C5568AXI-060	121	0	168	77	0
AZ100SFHAL	JT	110905	R4A	CY8C5568AXI-060	121	0	288	77	0
AZ100RVLN	JT	111803	R1	CY7C68320C-100AXA	121	0	96	80	0
AZ100RVLN	JT	111803	R1	CY7C68320C-100AXA	121	0	168	80	0
AZ100RVLN	JT	111803	R2	CY7C68320C-100AXA	121	0	96	80	0
AZ100RVLN	JT	111803	R2	CY7C68320C-100AXA	121	0	168	80	0
AZ100RVLN	JT	111803	R3	CY7C68320C-100AXA	121	0	96	80	0
AZ100RVLN	JT	111803	R3	CY7C68320C-100AXA	121	0	168	80	0
AZ100SFHAL	JT	111817	R4	CY8C5568AXI-060	121	0	168	77	0
AZ100SFHAL	JT	111817	R4	CY8C5568AXI-060	121	0	288	77	0
AZ100RJBL N	RA	112602	R1	CY7C1350G-200AXI	121	0	168	76	0
AZ100RJBL N	RA	112602	R1	CY7C1350G-200AXI	121	0	288	76	0
AZ100RJBL N	RA	112602	R3	CY7C1350G-200AXI	121	0	168	77	0



AZ100RJBLN	RA	112602	R3	CY7C1350G-200AXI	121	0	288	75	0
AZ100RJBLN	RA	112602	R6	CY7C1350G-200AXI	121	0	168	73	0
AZ100RJBLN	RA	112602	R6	CY7C1350G-200AXI	121	0	288	66	0
AZ160SBGAL	G	MR112037	R1	CY37256P160-83AXC	121	0	168	30	0
AZ160SBGAL	G	MR112037	R1	CY37256P160-83AXC	121	0	288	30	0
AZ32BXGAN	Q	MR112077	R1	CY7C4201V-15AXC	121	0	168	30	0
AZ32BXGAN	Q	MR112077	R1	CY7C4201V-15AXC	121	0	288	30	0
AZ44SGBGAN	R	MR111005	R1A	CY8C29566-24AXI	121	0	168	30	0
AZ44SGBGAN	R	MR111005	R1A	CY8C29566-24AXI	121	0	288	30	0
AZ44DGAGL	Q	MR112058	R1	CY7B995AXIT	121	0	168	30	0
AZ44DGAGL	Q	MR112058	R1	CY7B995AXIT	121	0	288	30	0
AZ32GXGAN	G	MR113046	R1	CY29940AXIT	121	0	168	30	0
AZ32GXGAN	G	MR113046	R1	CY29940AXIT	121	0	288	30	0
AZ100SFGAL	JT	RR114011	R1	CS7510AM	121	0	96	70	0
AZ100SFGAL	JT	RR114011	R1	CS7510AM	121	0	168	70	0
AZ100SFGAL	JT	RR114011	R1	CS7510AM	121	0	288	70	0
AZ100SFKAL	RA	112302	R1	CY8C5568AXI-060	121	0	168	77	0
AZ64JAAALL	M	113604	R4	CY7C144E-55JXC	121	0	168	79	0
AZ64JAAALL	M	113604	R4	CY7C144E-55JXC	121	0	288	79	0
AZ100SFHAL	JT	114110	R1B1	CY8C5568AXI-060	121	0	168	37	0
AZ100RRBLL	R	AR1131001	R1	CY7C1460AV33-200AXC	121	0	288	17	0
AZ100SFDAL	R	MR112003	R1	CY8C3245AXI-158	121	0	168	30	0
AZ100SFDAL	R	MR112003	R1	CY8C3245AXI-158	121	0	288	24	0
AZ100RUBLN	R	MR112043	R1	CY7C1350G-200AXC	121	0	168	28	0
AZ100RUBLN	R	MR112043	R1	CY7C1350G-200AXC	121	0	288	28	0
AZ32GXGAN	G	MR112054	R1	CY29940AXCT	121	0	168	30	0
AZ32GXGAN	G	MR112054	R1	CY29940AXCT	121	0	288	30	0
AZ100RUBLN	R	MR113022	R1	CY7C1350G-200AXC	121	0	168	30	0
AZ100RUBLN	R	MR113022	R1	CY7C1350G-200AXC	121	0	288	30	0



AZ52AAGAL	Q	MR113051	R1	CY29972AXI	121	0	168	30	0
AZ52AAGAL	Q	MR113051	R1	CY29972AXI	121	0	288	30	0
AZ100RBCLN	JT	MR114041	R1	CY7C1370D-167AXI	121	0	168	29	0
AZ100RBCLN	JT	MR114041	R1	CY7C1370D-167AXI	121	0	288	29	0
AZ100RJBLN	RA	MR114059	R1	CY7C68014A-100AXC	121	0	168	30	0
AZ100RJBLN	RA	MR114059	R1	CY7C68014A-100AXC	121	0	288	30	0
AZ100SFGAL	JT	MR114068	R1	CY8C3245AXI-158	121	0	168	30	0
AZ144AAAGR	Q	MR114081	R2	CY7C057V-12AXC	121	0	168	30	0
AZ144AAAGR	Q	MR114081	R2	CY7C057V-12AXC	121	0	288	30	0
AZ100RYCLN	JT	MR121021	R1	CY7C1360C-166AXI	121	0	168	30	0
AZ100RYCLN	JT	MR121021	R1	CY7C1360C-166AXI	121	0	288	30	0
AZ100RVLN	JT	MR121033	R1	CY7C68320C-100AXA	121	0	96	30	0
AZ100RVLN	JT	MR121033	R1	CY7C68320C-100AXA	121	0	168	30	0
AZ100RVLN	JT	MR121033	R1	CY7C68320C-100AXA	121	0	288	30	0
AZ64IBABLN	JT	NR113005	R2	CY7C4265-10AXIKJ	121	0	168	25	0
AZ44SFHAN	JT	NR113005	R1	CY37032VP44-100AXCKJ	121	0	168	25	0
AZ44SFHAN	JT	NR113005	R1	CY37032VP44-100AXCKJ	121	0	288	25	0
AZ64IBABLN	JT	NR113005	R2	CY7C4265-10AXIKJ	121	0	288	25	0
AZ100SFEAL	JT	NR113006	R3	CY7C026AV-25AXIKJ	121	0	168	25	0
AZ100RUCLN	JT	NR113006	R1	CY7C68013A-100AXCKJ	121	0	168	25	0
AZ100RUCLN	JT	NR113006	R2	CY7C68013A-100AXIKJ	121	0	168	25	0
AZ100RUCLN	JT	NR113006	R2	CY7C68013A-100AXIKJ	121	0	288	25	0
AZ100RUCLN	JT	NR113006	R1	CY7C68013A-100AXCKJ	121	0	288	25	0
AZ100SFEAL	JT	NR113006	R3	CY7C026AV-25AXIKJ	121	0	288	25	0
Summary for Package Family: TQFP (Pb-Free)			66	records					
Sum								2928	0
TSOP (Pb-free)									
ZT28R2BCLN	JT	NR113004	R3	CY62256VNLL-70ZXC	121	0	168	25	0
ZT28R2BCLN	JT	MR114004	R1	CY62256VNLL-70ZXI	121	0	168	30	0



ZT28R2BCLN	JT	NR113004	R3	CY62256VNLL-70ZXC	121	0	288	25	0
ZT28R2BCLN	JT	MR114004	R1	CY62256VNLL-70ZXI	121	0	288	30	0
ZT28R4BAGL	JT	NR113004	R2	CY7C1399BN-12ZXC	121	0	168	25	0
ZT28R4BAGL	JT	NR113004	R2	CY7C1399BN-12ZXC	121	0	288	25	0
ZT32RABALL	T	MR112026	R1	CY62128BNLL-55ZXIT	121	0	168	30	0
ZT32RABALL	T	MR112026	R1	CY62128BNLL-55ZXIT	121	0	288	30	0
ZT32RABALL	T	MR113036	R1	CY62128EV30LL-45ZXI	121	0	168	29	0
ZT32RABALL	T	MR113036	R1	CY62128EV30LL-45ZXI	121	0	288	29	0
ZT32RBBALL	T	MR114065	R1	CY62128ELL-45ZXA	121	0	96	30	0
ZT32RBBALL	T	MR121034	R1	CY62128ELL-45ZXA	121	0	96	30	0
ZT32RBBALL	T	MR121034	R1	CY62128ELL-45ZXA	121	0	168	30	0
ZT32RBBALL	T	MR114065	R1	CY62128ELL-45ZXA	121	0	168	30	0
Summary for Package Family: TSOP (Pb-Free)			14	records					
Sum								398	0
TSOP I (Pb-Free)									
ZB32RKALL	T	MR111069	R1	CY62128EV30LL-45ZAXI	121	0	168	30	0
ZB32RKALL	T	MR111069	R1	CY62128EV30LL-45ZAXI	121	0	288	30	0
ZB32RKALL	T	MR112006	R1	CY62128EV30LL-45ZAXI	121	0	168	30	0
ZB32RKALL	T	MR112006	R1	CY62128EV30LL-45ZAXI	121	0	288	30	0
ZB32RKALL	T	MR113003	R1	CY62128EV30LL-45ZAXI	121	0	168	30	0
ZB32RKALL	T	MR113003	R1	CY62128EV30LL-45ZAXI	121	0	288	30	0
ZB32RHCALN	JT	MR114008	R1	CY62138FV30LL-45ZAXI	121	0	168	30	0
ZB32RHCALN	JT	MR114008	R1	CY62138FV30LL-45ZAXI	121	0	288	30	0
ZB32RKALL	T	MR114011	R1	CY62128EV30LL-45ZAXI	121	0	288	30	0
ZB32RKALL	T	MR114011	R1	CY62128EV30LL-45ZAXI	121	0	168	30	0
ZB32RHCALN	JT	NR113004	R1	CY62138FV30LL-45ZAXI	121	0	168	25	0
ZB32RHCALN	JT	NR113004	R1	CY62138FV30LL-45ZAXI	121	0	288	25	0
Summary for Package Family: TSOP I (Pb-Free)			12	records					
Sum								350	0



TSOP II (Pb-Free)

ZW444PAALL	RA	110703	R1	CY14B101KA	121	0	288	80	0
ZW444AKDLN	JT	111410	R1	7A134101FC	121	0	96	80	0
ZW444AKDLN	JT	111410	R1	7A134101FC	121	0	168	80	0
ZW444AHILL	JT	111410	R2	7A62126FC	121	0	96	80	0
ZW444AHILL	JT	111410	R2	7A62126FC	121	0	168	80	0
ZW444VCLL	R	111810	R1	CY62136FV30LL	121	0	96	100	0
ZW444VCLL	R	111810	R1	CY62136FV30LL	121	0	168	90	0
ZW444VCLL	R	111810	R2	7A62136GC	121	0	96	100	0
ZW444VCLL	R	111810	R2	7A62136GC	121	0	168	90	0
ZW444VCLL	R	111810	R3	CY62136FV30LL	121	0	96	100	0
ZW444VCLL	R	111810	R3	CY62136FV30LL	121	0	168	90	0
ZW54BGALL	G	MR112042	R1	CY7C1061DV33-10ZSXI	121	0	168	30	0
ZW54BGALL	G	MR112042	R1	CY7C1061DV33-10ZSXI	121	0	288	30	0
ZW44AAAAGL	RA	MR112046	R1	CY62147EV30LL-45ZSXIT	121	0	168	30	0
ZW44AAAAGL	RA	MR112046	R1	CY62147EV30LL-45ZSXIT	121	0	288	30	0
ZW54BGALL	G	MR113032	R1	CY7C1061DV33-10ZSXIT	121	0	168	30	0
ZW54BGALL	G	MR113032	R1	CY7C1061DV33-10ZSXIT	121	0	288	30	0
ZW444YBLL	R	AR1131002	R1	CY7C1041BN-15ZXIT	121	0	168	20	0
ZW444YBLL	R	AR1131002	R1	CY7C1041BN-15ZXIT	121	0	288	19	0
ZW444YBLL	R	MR113006	R1	CY7C1041BN-15ZXIT	121	0	168	30	0
ZW444YBLL	R	MR113006	R1	CY7C1041BN-15ZXIT	121	0	288	30	0
ZW444ALLR	G	MR113047	R1	CY7C1051DV33-10ZSXI	121	0	168	30	0
ZW444ALLR	G	MR113047	R1	CY7C1051DV33-10ZSXI	121	0	288	30	0
ZW444AKDLN	JT	111409	R1	NA	121	0	96	100	0
ZW444AKDLN	JT	111409	R1	NA	121	0	168	84	0
ZW444AHILL	JT	111409	R2	7A62126FC-	121	0	96	100	0
ZW444AHILL	JT	111409	R2	7A62126FC-	121	0	168	90	0
ZW444AHILL	JT	111409	R3	7A62126FC	121	0	96	100	0



ZW444AHILL	JT	111409	R3	7A62126FC	121	0	168	90	0
ZW444AKDLN	JT	111409	R4	NA	121	0	96	100	0
ZW444AKDLN	JT	111409	R4	NA	121	0	168	90	0
ZW444AIGLL	R	113201	R11	7A1221NC	121	0	96	100	0
ZW444AIGLL	R	113201	R11	7A1221NC	121	0	168	100	0
ZW444AIGLL	R	113201	R12	7A1221NC-	121	0	96	100	0
ZW444AIGLL	R	113201	R12	7A1221NC-	121	0	168	100	0
ZW324GALL	T	MR112015	R1	CY7C1019DV33-10ZSXIT	121	0	168	30	0
ZW324GALL	T	MR112015	R1	CY7C1019DV33-10ZSXIT	121	0	288	30	0
ZW444AMLN	R	MR112016	R1	CY62146ELL-45ZSXA	121	0	96	30	0
ZW444AMLN	R	MR112016	R1	CY62146ELL-45ZSXA	121	0	168	30	0
ZW444AMLN	R	MR112016	R1	CY62146ELL-45ZSXA	121	0	288	30	0
ZW444WBCLN	R	MR112020	R1	CY7C1041DV33-10ZSXI	121	0	168	30	0
ZW444WBCLN	R	MR112020	R1	CY7C1041DV33-10ZSXI	121	0	288	30	0
ZW324CBLL	T	MR113004	R1	CY62148ELL-45ZSXIT	121	0	168	30	0
ZW324CBLL	T	MR113004	R1	CY62148ELL-45ZSXIT	121	0	288	30	0
ZW444AXAGL	RA	MR113031	R1	CY7C1020DV33-10ZSXI	121	0	168	30	0
ZW444AXAGL	RA	MR113031	R1	CY7C1020DV33-10ZSXI	121	0	288	30	0
ZW444AAGLL	T	MR113043	R1	CY71041DV33-10ZSXI	121	0	168	30	0
ZW444AAGLL	T	MR113043	R1	CY71041DV33-10ZSXI	121	0	288	29	0
ZW324CBALR	T	MR114057	R1	CY62148EV30LL-45ZSXAT	121	0	96	30	0
ZW324CBALR	T	MR114057	R1	CY62148EV30LL-45ZSXAT	121	0	168	25	0
ZW444AHHLL	R	MR114007	R1	CY62126EV30LL-55ZSXE	121	0	96	30	0
ZW444AHHLL	R	MR114007	R1	CY62126EV30LL-55ZSXE	121	0	168	30	0
ZW444AHHLL	R	MR114007	R1	CY62126EV30LL-55ZSXE	121	0	288	30	0
ZW444ALLR	G	MR114043	R1	CY7C1051DV33-10ZSXI	121	0	168	30	0
ZW444ALLR	G	MR114043	R1	CY7C1051DV33-10ZSXI	121	0	288	30	0
ZW444AXAGL	RA	MR121003	R1	CY7C1021D-10ZSXIT	121	0	168	30	0
ZW444ABXAGL	RA	MR114027	R1	CY62137EV30LL-45ZSXI	121	0	168	30	0



ZW44ABXAGL	RA	MR114027	R1	CY62137EV30LL-45ZSXI	121	0	288	30	0
ZW44ADXAGL	RA	MR121018	R1	CY14B104NA-ZS45XIT	121	0	168	30	0
ZW544AALL	G	MR121022	R1	CY7C1069AV33-10ZXCT	121	0	168	30	0
Summary for Package Family: TSOP II (Pb-Free)			60	records					
Sum								3207	0
RTSOP (Pb-free)									
ZY28R2CLN	JT	MR114009	R1	CY62256VNLL-70ZRXIT	121	0	168	30	0
ZY28R2CLN	JT	MR114009	R1	CY62256VNLL-70ZRXIT	121	0	288	30	0
Summary for Package Family: RTSOP (Pb-free)			2	records					
Sum								60	0
TSSOP (Pb-Free)									
ZZ2014BGN	T	MR112047	R1	CY25404ZXI-003T	121	0	168	30	0
ZZ2014BGN	T	MR112047	R1	CY25404ZXI-003T	121	0	288	30	0
ZZ1620GDAN	RA	MR113010	R1	CY24293ZXI	121	0	168	30	0
ZZ1620GDAN	RA	MR113010	R1	CY24293ZXI	121	0	288	29	0
ZZ2014BGN	T	MR113053	R1	CY25404ZXI-003T	121	0	288	30	0
ZZ2014BGN	T	MR113053	R1	CY25404ZXI-003T	121	0	168	30	0
ZZ1620GBAN	RA	RR113013	R1	CY22388ZXC-27T	121	0	168	60	0
ZZ1620GBAN	RA	RR113013	R1	CY22388ZXC-27T	121	0	96	60	0
ZZ1620GBAN	RA	RR113013	R1A	CY22388ZXC-27T	121	0	96	13	0
ZZ1620GBAN	RA	RR113013	R1A	CY22388ZXC-27T	121	0	168	13	0
ZZ1614HAN	T	111405	R1	CY23FS04ZXC	121	0	288	78	0
ZZ1614HAN	T	111405	R1	CY23FS04ZXC	121	0	168	79	0
ZZ1614HAN	T	111405	R2	CY23FS04ZXC	121	0	288	79	0
ZZ1614HAN	T	111405	R2	CY23FS04ZXC	121	0	168	80	0



ZZ2014BGN	T	111408	R1	CYISM530AZXC	121	0	168	80	0
ZZ2014BGN	T	111408	R1	CYISM530AZXC	121	0	288	80	0
ZZ2014BGN	T	111408	R2	CYISM530AZXC	121	0	168	79	0
ZZ2014BGN	T	111408	R2	CYISM530AZXC	121	0	288	79	0
ZZ1620GBAN	RA	MR112028	R1	CY22393FXCT	121	0	168	30	0
ZZ1620GBAN	RA	MR112028	R1	CY22393FXCT	121	0	288	30	0
ZZ1613HAN	T	MR113015	R1	CY2308ZXC-1H	121	0	168	30	0
ZZ1613HAN	T	MR113015	R1	CY2308ZXC-1H	121	0	288	30	0
ZZ1614HAN	T	MR114022	R1	CY22388ZXC-25T	121	0	168	30	0
ZZ1614HAN	T	MR114022	R1	CY22388ZXC-25T	121	0	288	30	0
ZZ1620GBAN	RA	MR114026	R1	CY22388ZXC-26T	121	0	168	30	0
ZZ1620GBAN	RA	MR114026	R1	CY22388ZXC-26T	121	0	288	30	0
ZZ1614HAN	T	MR121001	R1	CY25823ZXC	121	0	168	30	0
ZZ1614HAN	T	MR121001	R1	CY25823ZXC	121	0	288	30	0
ZZ1620GBAN	RA	MR121002	R1	CY22388ZXC-27T	121	0	168	30	0
ZZ1620GBAN	RA	MR121002	R1	CY22388ZXC-27T	121	0	288	30	0

Summary for Package Family: TSSOP (Pb-Free)

30

records

Sum

1319

0

VFBGA (0.75-0.8, 0.3mm)

BV48ATALE	RA	MR113030	R1	CY62157DV30LL-55BVIT	121	0	168	30	0
BV48ATALE	RA	MR113030	R1	CY62157DV30LL-55BVIT	121	0	288	30	0
BV48BNALE	G	MR112040	R1	CY62167DV30LL-70BVI	121	0	168	30	0
BV48BNALE	G	MR112040	R1	CY62167DV30LL-70BVI	121	0	288	30	0
BV48BNALE	G	MR113066	R1	CY62167DV30LL-70BVI	121	0	168	30	0
BV48BNALE	G	MR113066	R1	CY62167DV30LL-70BVI	121	0	288	29	0
BV48ATALE	RA	MR114066	R1	CY62157DV30LL-55BVIT	121	0	168	30	0
BV48CFAALE	G	MR114078	R1	CY62157EV30LL-45BVIT	121	0	168	30	0
BV48DAAALE	RA	MR114010	R1	CY62137FV30LL-45BVIT	121	0	168	30	0
BV48ZEALE	RA	MR112004	R1	CY62157EV30LL-45BVI	121	0	288	30	0



BV48ZEAAL	RA	MR112004	R1	CY62157EV30LL-45BVI	121	0	168	30	0
Summary for Package Family: VFBGA (0.75-0.8, 0.3mm)			11	records					
Sum								329	0
VFBGA (0.75-0.8, 0.3mm, Pb-Free)									
BZ48ZBAALL	RA	091206	R3	CY621675EV30LL-45BVXI	121	0	288	38	0
BZ48ZBAALL	RA	111701	R3B	CY621675EV30LL-45BVXI	121	0	168	78	0
BZ48CQAALL	G	MR111065	R1	CY62136FV30LL-45BVXI	121	0	288	27	0
BZ48ABBBLL	AT	MR111070	RI	CY62127DV30LL-55BVXIT	121	0	168	30	0
BZ48ABBBLL	AT	MR111070	RI	CY62127DV30LL-55BVXIT	121	0	288	30	0
BZ100HAALL	RA	MR112001	R1	CYWB0224ABS-BVXI	121	0	168	30	0
BZ100HAALL	RA	MR112001	R1	CYWB0224ABS-BVXI	121	0	288	30	0
BZ48CMAALL	G	MR112039	R1	CY7C1021DV33-10BVXI	121	0	168	29	0
BZ48CMAALL	G	MR112039	R1	CY7C1021DV33-10BVXI	121	0	288	28	0
BZ48ABCALL	AT	MR112064	R1	CY62126EV30LL-45BVXIT	121	0	168	30	0
BZ48ABCALL	AT	MR112064	R1	CY62126EV30LL-45BVXIT	121	0	288	30	0
BZ48CFAALL	G	MR113007	R1	CY62157EV30LL-45BVXIT	121	0	168	30	0
BZ48CFAALL	G	MR113007	R1	CY62157EV30LL-45BVXIT	121	0	288	30	0
BZ100HAALL	RA	MR113008	R1	CYWB0226ABS-BVXI	121	0	168	30	0
BZ100HAALL	RA	MR113008	R1	CYWB0226ABS-BVXI	121	0	288	30	0
BZ48ZEAAL	RA	MR113089	R1	CY62157EV18LL-55BVXIT	121	0	96	80	0
BZ48ZEAAL	RA	MR113089	R1	CY62157EV18LL-55BVXIT	121	0	168	79	0
BZ48ZEAAL	RA	MR113089	R1	CY62157EV18LL-55BVXIT	121	0	288	79	0
BZ48CRALL	G	MR113088	R1	CY62167EV30LL-45BVXI	121	0	96	80	0
BZ48CRALL	G	MR113088	R1	CY62167EV30LL-45BVXI	121	0	168	79	0
BZ48CRALL	G	MR113088	R1	CY62167EV30LL-45BVXI	121	0	288	79	0
BZ48CNAALL	G	MR113090	R1	CY62167DV30LL-55BVXI	121	0	96	80	0
BZ48CNAALL	G	MR113090	R1	CY62167DV30LL-55BVXI	121	0	168	6	0
BZ48CNAALL	G	MR113090	R1	CY62167DV30LL-55BVXI	121	0	168	73	0



BZ48CNAALL	G	MR113090	R1	CY62167DV30LL-55BVXI	121	0	288	79	0
BZ48CNAALL	G	MR113091	R1	CY62167DV30LL-55BVXI	121	0	96	80	0
BZ48CNAALL	G	MR113091	R1	CY62167DV30LL-55BVXI	121	0	168	74	0
BZ48CNAALL	G	MR113091	R1	CY62167DV30LL-55BVXI	121	0	168	6	0
BZ48CNAALL	G	MR113091	R1	CY62167DV30LL-55BVXI	121	0	288	77	0
BZ48ZBAALL	RA	111605	R1	CY621675EV30LL-45BVXI	121	0	168	78	0
BZ48CRALL	G	111605	R2	CY62167EV30LL-45BVXI	121	0	168	80	0
BZ48CRALL	G	111605	R2	CY62167EV30LL-45BVXI	121	0	288	78	0
BZ84AAAAAL	RA	112210	R1	CY8CTMA1036BZI-13ES	121	0	168	80	0
BZ84AAAAAL	RA	112210	R1	CY8CTMA1036BZI-13ES	121	0	288	80	0
BZ48ZEAAL	RA	MR112005	R1	CY62157EV30LL-45BVXI	121	0	168	30	0
BZ48ZEAAL	RA	MR112005	R1	CY62157EV30LL-45BVXI	121	0	288	30	0
BZ48DAGLL	RA	MR113028	R1	CY62137FV30LL-45BVXIT	121	0	168	26	0
BZ48DAGLL	RA	MR113028	R1	CY62137FV30LL-45BVXIT	121	0	288	26	0
BZ48CEAALL	G	MR113057	R1	CY62147EV30LL-45BVXA	121	0	96	30	0
BZ48CEAALL	G	MR113057	R1	CY62147EV30LL-45BVXA	121	0	168	28	0
BZ48CEAALL	G	MR113057	R1	CY62147EV30LL-45BVXA	121	0	288	26	0
BZ48CNAALL	G	MR114018	R1	CY62167DV30LL-55BVXI	121	0	168	30	0
BZ48DAGLL	RA	MR121004	R1	CY62137FV30LL-45BVXIT	121	0	168	30	0
BZ100BABLL	RA	MR121008	R1	CYDMX128A16-65BVXIT	121	0	168	30	0
Summary for Package Family: VFBGA (0.75-0.8, 0.3mm, Pb-Free)			44	records					
Sum								2133	0



Summary Detail -- TCT Performance Over Time

BUILDKIT	ASSY SITE	EVALNUM	TV	DEVICE	TEMP	VOLT	READOUT	SS	REJECT	FA	COMMENTS
UFBGA (Pb-free)											
BU84AAAAAL	G	121302	R2	CY8CTMA1036BUI-33ES2	150/-65	0	500	77	0		
BU84AAAAAL	G	121302	R1	CY8CTMA1036BUI-33ES2	150/-65	0	500	76	0		
BU84AAAAAL	G	121302	R3	CY8CTMA1036BUI-33ES2	150/-65	0	500	77	0		
Summary for Package Family: UFBGA (Pb-free)			3	records							
Sum								230	0		
FBGA (0.75-0.8, 0.3mm)											
BA48ZGALE	G	MR113048	R1	CY7C1021BNV33L-15BAI	150/-65	0	500	30	0		
Summary for Package Family: FBGA (0.75-0.8, 0.3mm)			1	records							
Sum								30	0		
FBGA (0.75-0.8, 0.3mm, Pb-free)											
BK121AGAGL	RA	110501	R1	7C07101B	150/-65	0	1000	82	0		
BK121AGAGL	RA	110501	R1	7C07101B	150/-65	0	500	82	0		
BK121AGAGL	RA	110501	R2	7C07101B	150/-65	0	500	77	0		
BK121AGAGL	RA	110501	R2	7C07101B	150/-65	0	1000	77	0		
BK121AGAGL	RA	110501	R3	7C07101B	150/-65	0	500	82	0		
BK121AGAGL	RA	110501	R3	7C07101B	150/-65	0	1000	82	0		
BK48CPBGL	G	MR111028	R1	CY7C67200-48BAXIT	150/-65	0	1000	30	0		
BK48DJALL	G	MR112036	R1	CY62177DV30LL-55BAXI	150/-65	0	1000	30	0		
BK48DJALL	G	MR112036	R1	CY62177DV30LL-55BAXI	150/-65	0	500	30	0		
BK121BGAGL	RA	102402	R2	CYUSB3014-BZXIES	150/-65	0	500	77	0		
BK121BGAGL	RA	102402	R1	CYUSB3014-BZXIES	150/-65	0	1000	81	0		
BK121BGAGL	RA	102402	R1	CYUSB3014-BZXIES	150/-65	0	750	81	0		
BK121BGAGL	RA	102402	R2	CYUSB3014-BZXIES	150/-65	0	1000	77	0		



BK121BGAGL	RA	102402	R1	CYUSB3014-BZXIES	150/-65	0	500	81	0
BK121CGAGL	GQ	102402	R3	CYUSB3014-BZXIES	150/-65	0	500	80	0
BK121CGAGL	GQ	102402	R3	CYUSB3014-BZXIES	150/-65	0	1000	80	0
BK48DZAAAL	G	113205	R1	CY7C1081DV33-12BAXI	150/-65	0	500	79	0
BK48DZAAAL	G	113205	R2	CY7C1081DV33-12BAXI	150/-65	0	500	77	0
BK48DZAAAL	G	113205	R3	CY7C1081DV33-12BAXI	150/-65	0	500	77	0
BK48DZAAAL	G	113205	R1	CY7C1081DV33-12BAXI	150/-65	0	500	80	0
BK48DZAAAL	G	113303	R1	CY7C1081DV33-12BAXI	150/-65	0	500	79	0
BK48DZAAAL	G	113303	R1	CY7C1081DV33-12BAXI	150/-65	0	1000	79	0
BK48DZAAAL	G	113303	R3	CY7C1081DV33-12BAXI	150/-65	0	500	77	0
BK48DZAAAL	G	113303	R2	CY7C1081DV33-12BAXI	150/-65	0	500	77	0
BK48DZAAAL	G	113303	R2	CY7C1081DV33-12BAXI	150/-65	0	1000	77	0
BK48DZAAAL	G	113303	R3	CY7C1081DV33-12BAXI	150/-65	0	1000	76	0
BK48DZAAAL	G	113303	R1	CY7C1081DV33-12BAXI	150/-65	0	500	80	0
BK121BGAGL	RA	104607	R2	CYUSB3014-BZXIES	150/-65	0	500	77	0
BK121BGAGL	RA	104607	R1	CYUSB3014-BZXIES	150/-65	0	1000	81	0
BK121BGAGL	RA	104607	R3	CYUSB3014-BZXI	150/-65	0	500	82	0
BK121BGAGL	RA	104607	R1	CYUSB3014-BZXIES	150/-65	0	750	81	0
BK121BGAGL	RA	104607	R2	CYUSB3014-BZXIES	150/-65	0	1000	77	0
BK121BGAGL	RA	104607	R3	CYUSB3014-BZXI	150/-65	0	1000	82	0
BK121BGAGL	RA	104607	R1	CYUSB3014-BZXIES	150/-65	0	500	81	0
BK48DLBLL	G	MR113033	R1	CY62187EV30LL-55BAXI	150/-65	0	500	30	0
BK48JAAALL	G	MR121088	R1	CY7C1071DV33-12BAXIT	150/-65	0	400	12	0
BK48JAAALL	G	MR121088	R1	CY7C1071DV33-12BAXIT	150/-65	0	500	12	0
BK48JAAALL	G	MR121088	R1	CY7C1071DV33-12BAXIT	150/-65	0	590	12	0

Summary for Package Family: FBGA (0.75-0.8, 0.3mm, Pb-free)

38 records

Sum

2614 0



FBGA (1.0-1.27)

BB165DELLE	GQ	110402	R1	CY7C14141KV18	150/-65	0	1000	80	0
BB165GABLE	RA	MR104057	R1	CY7C1518KV18-333BZC	150/-65	0	500	30	0
BB165GABLE	RA	MR104057	R1	CY7C1518KV18-333BZC	150/-65	0	1000	30	0
BB165AHLE	G	MR112063	R1	CY7C1420SV18-250BZC	150/-65	0	500	30	0
BB165AHLE	G	MR112063	R1	CY7C1420SV18-250BZC	150/-65	0	1000	30	0
BB165UALE	G	MR111072	R1	CG6607BT	150/-65	0	500	26	0
BB165UALE	G	MR111072	R1	CG6607BT	150/-65	0	1000	16	0
BB165GABLE	RA	MR111071	R1	CY7C1518KV18-333BZC	150/-65	0	500	29	0
BB165GABLE	RA	MR111071	R1	CY7C1518KV18-333BZC	150/-65	0	1000	28	0
BB165AHLE	G	MR113034	R1	CY7C1420SV18-250BZC	150/-65	0	500	30	0
BB165AVLE	RA	MR114038	R1	CY7C1305TV25-167BZC	150/-65	0	500	30	0
BB165AVLE	RA	MR114038	R1	CY7C1305TV25-167BZC	150/-65	0	1000	30	0
BB165RNALE	RA	MR114058	R1	CY7C1312KV18-250BZC	150/-65	0	500	30	0
BB165RNALE	RA	MR114058	R1	CY7C1312KV18-250BZC	150/-65	0	1000	30	0
BB165RNALE	RA	MR121017	R1	CY7C1313KV18-250BZC	150/-65	0	500	30	0
BB165RNALE	RA	MR121017	R1	CY7C1313KV18-250BZC	150/-65	0	1000	30	0
BB165AHLE	G	MR121020	R1	CY7C1420BV18-200BZC	150/-65	0	500	30	0
BB165AHLE	G	MR121020	R1	CY7C1420BV18-200BZC	150/-65	0	1000	29	0
BB165RBBLE	RA	NR112001	R1	CY7C1570KV18-400BZC	150/-65	0	500	75	0
BB165RBBLE	RA	NR112001	R1	CY7C1570KV18-400BZC	150/-65	0	1000	75	0
BB165GABLE	RA	NR112001	R2	CY7C1512KV18-350BZC	150/-65	0	500	77	0
BB165GABLE	RA	NR112001	R2	CY7C1512KV18-350BZC	150/-65	0	1000	77	0
BB165GABLE	RA	NR112001	R3	CY7C1518KV18-250BZC	150/-65	0	500	77	0
BB165GABLE	RA	NR112001	R3	CY7C1518KV18-250BZC	150/-65	0	1000	77	0

Summary for Package Family: FBGA (1.0-1.27)

24

records

Sum

1026

0



FBGA (1.0-1.27, Pb-free)

BW209FAALL	GQ	102201	R3	7C4S1472AO	125/-55	0	500	75	0
BW209FAALL	GQ	102201	R3	7C4S1472AO	125/-55	0	1000	74	0
BW209FAALL	GQ	102201	R4	7C4S1472AO	125/-55	0	500	77	0
BW209FAALL	GQ	102201	R4	7C4S1472AO	125/-55	0	1000	77	0
BW209FAALL	GQ	102505	R5	CYF0072V33L-133BGXI	150/-65	0	55	74	0
BW209FAALL	GQ	102505	R5	CYF0072V33L-133BGXI	150/-65	0	500	73	0
BW209FAALL	GQ	102505	R5	CYF0072V33L-133BGXI	150/-65	0	1000	73	0
BW165RTALL	RA	105103	R1	7C1614KO	125/-55	0	1500	80	0
BW165RTALL	RA	105103	R2	7C1614KO	150/-65	0	1000	75	0
BW165RTALL	RA	105103	R2	7C1614KO	150/-65	0	1300	74	0
BW165RTALL	RA	105103	R2	7C1614KO	125/-55	0	1500	80	0
BW165RTALL	RA	105103	R3	7C1614KO	150/-65	0	1300	76	0
BW165RTALL	RA	105103	R3	7C1614KO	125/-55	0	1500	79	0
BW165GAALL	RA	MR112045	R1	CY7C1512KV18-250BZXC	150/-65	0	500	30	0
BW165GAALL	RA	MR112045	R1	CY7C1512KV18-250BZXC	150/-65	0	1000	30	0
BW165GAALL	RA	MR113018	R1	CY7C1512KV18-250BZXI	150/-65	0	500	30	0
BW165GAALL	RA	MR113018	R1	CY7C1512KV18-250BZXI	150/-65	0	1000	30	0
BW165RJALL	RA	MR113074	R1	CY7C1412KV18-250BZXI	150/-65	0	500	30	0
BW165RJALL	RA	MR113074	R1	CY7C1412KV18-250BZXI	150/-65	0	1000	30	0
BW165BUALL	G	113007	R1	CY7C1512KO	150/-65	0	500	80	0
BW165BUALL	G	113007	R2	CY7C1512KO	150/-65	0	500	80	0
BW165BUALL	G	113007	R3	CY7C1512KO	150/-65	0	500	80	0
BW165BUALL	G	113007	R3	CY7C1512KO	150/-65	0	1000	62	0
BW165RBALL	RA	112604	R1	7C1570QXO	150/-65	0	500	77	0
BW165RBALL	RA	112604	R1	7C1570QXO	150/-65	0	1000	77	0
BW165RTALL	RA	MR111086	R1	7C1614KO-**RABWC	150/-65	0	500	12	0



BW165RTALL	RA	MR111086	R1	7C1614KO-**RABWC	150/-65	0	1000	10	0
BW165RTALL	RA	MR111086	R2	7C1614KO-**RABWC	150/-65	0	500	12	0
BW165RTALL	RA	MR111086	R2	7C1614KO-**RABWC	150/-65	0	1000	10	0
BW165RTALL	RA	MR111086	R3	7C1614KO-**RABWC	150/-65	0	500	12	0
BW165RTALL	RA	MR111086	R3	7C1614KO-**RABWC	150/-65	0	1000	10	0
BW100EAGL	G	MR112044	R1	CYP15G0101DXB-BBXI	150/-65	0	500	30	0
BW100EAGL	G	MR112044	R1	CYP15G0101DXB-BBXI	150/-65	0	1000	30	0
BW100EAGL	G	MR113025	R1	cyv15g0101dx-bbxc	150/-65	0	500	30	0
BW100EAGL	G	MR113025	R1	cyv15g0101dx-bbxc	150/-65	0	1000	30	0
BW165RJALL	RA	MR114039	R1	CY7C1414KV18-250BZXI	150/-65	0	500	30	0
BW165RJALL	RA	MR114039	R1	CY7C1414KV18-250BZXI	150/-65	0	1000	30	0
BW165RJALL	RA	MR121035	R1	CY7C1414KV18-250BZXC	150/-65	0	500	29	0
BW165RJALL	RA	MR121035	R1	CY7C1414KV18-250BZXC	150/-65	0	1000	29	0
Summary for Package Family: FBGA (1.0-1.27, Pb-free)			39	records					
Sum								1927	0
PBGA (1.27)									
BG119SALE	G	MR114040	R1	CY7C1366C-166BGC	150/-65	0	500	30	
Summary for Package Family: PBGA (1.27)			1	records					
Sum								30	0
FLIPCHIP CSP (Pb-Free)									
FN81AGAN	AU	MR112068	R1	CYWB0124ABX-FDXI	125/-55	0	1000	30	0
FN81AGAN	AU	MR112068	R1	CYWB0124ABX-FDXI	125/-55	0	500	30	0
FN81AAKRCD	GQ	MR112069	R1	CYWB0124ABX-FDXI	125/-55	0	500	30	0
FN81AAKRCD	GQ	MR112069	R1	CYWB0124ABX-FDXI	125/-55	0	1000	30	0
FN49	AU	113211	R0	8C20324DC	125/-55	0	500	59	0
FN49	AU	113211	R0	8C20324DC	125/-55	0	500	80	0
FN49	AU	113211	R0	8C20324DC	125/-55	0	1000	78	0
FN49	AU	113211	R0B	8C20324DC	125/-55	0	500	75	0



FN49ABAAAL	AU	113211	R1A	CY8CTMA300E-49FNXIT	125/-55	0	500	79	0
FN49ABAAAL	AU	113211	R1AB	CY8CTMA300E-49FNXIT	125/-55	0	500	75	0
FN49	AU	113211	R3	CY8CTMA340-FN1-09	125/-55	0	500	79	0
FN49	AU	113211	R3B	CY8CTMA340-FN1-09	125/-55	0	500	78	0
FN49ABAAAL	AU	113211	R4	CP7457KTF	125/-55	0	500	78	0
FN49ABAAAL	AU	113211	R4B	CP7457KTF	125/-55	0	500	75	0
FN49AADRC	DT	114104	R1	CY8CTMA340-FNI-09KD	125/-55	0	1000	98	0
FN49AADRC	DT	114104	R2	CY8CTMA340-FNI-09KD	125/-55	0	1000	89	0
FN49AADRC	DT	114104	R3	CY8CTMA340-FNI-09KD	125/-55	0	1000	90	0
FN49ABDRCD	DT	114105	R1	CY8CTMA3405-FNI-09KD	125/-55	0	1000	89	0
FN49ABDRCD	DT	114105	R2	CY8CTMA3405-FNI-09KD	125/-55	0	1000	88	0
FN49ABDRCD	DT	114105	R3	CY8CTMA3405-FNI-09KD	125/-55	0	1000	90	0
FB131ATBCD	AU	103501	R1	CYWB0263BB-FBXIES	125/-55	0	500	82	0
FB131ATBCD	AU	103501	R2	CYWB0263BB-FBXIES	125/-55	0	500	85	0
FB131ATBCD	AU	103501	R3	CYWB0263BB-FBXIES	125/-55	0	500	85	0
FB131ATBCD	AU	103501	R3	CYWB0263BB-FBXIES	125/-55	0	1000	85	0
FB131ATBCD	AU	103501	R2	CYWB0263BB-FBXIES	125/-55	0	1000	85	0
FB131ATBCD	AU	103501	R1	CYWB0263BB-FBXIES	125/-55	0	1000	81	0
FN49BATRC	AU	112211	R3	CY8CTMA443-49FNIES2	125/-55	0	500	80	0
FN49BATRC	AU	112211	R1	CY8CTMA443-49FNIES2	125/-55	0	500	80	0
FN49BATRC	AU	112211	R2	CY8CTMA443-49FNIES2	125/-55	0	500	80	0
FN49BATRC	AU	112211	R3	CY8CTMA443-49FNIES2	125/-55	0	1000	79	0
FN49BATRC	AU	112211	R1	CY8CTMA443-49FNIES2	125/-55	0	1000	80	0
FN49BATRC	AU	112211	R2	CY8CTMA443-49FNIES2	125/-55	0	1000	80	0
FN60AATRC	AU	112212	R1	CY8CTMA443-60FNIES2	125/-55	0	500	80	0
FN60AATRC	AU	112212	R2	CY8CTMA443-60FNIES2	125/-55	0	500	80	0
FN60AATRC	AU	112212	R3	CY8CTMA443-60FNIES2	125/-55	0	500	80	0
FN60AATRC	AU	112212	R3	CY8CTMA443-60FNIES2	125/-55	0	1000	80	0
FN60AATRC	AU	112212	R1	CY8CTMA443-60FNIES2	125/-55	0	1000	80	0



FN49	DT	113102	R3	CY8CTMA340-FNI-09	125/-55	0	500	87	0
FN49	DT	113102	R2	CY8CTMA340-FNI-09	125/-55	0	500	87	0
FN49	DT	113102	R1	CY8CTMA340-FNI-09	125/-55	0	1000	88	0
FN49	DT	113102	R2	CY8CTMA340-FNI-09	125/-55	0	1000	87	0
FN49	DT	113102	R1	CY8CTMA340-FNI-09	125/-55	0	500	88	0
FN49	DT	113102	R3	CY8CTMA340-FNI-09	125/-55	0	1000	85	0
FN30BBTRFP	AU	114003	R1	CY8C20767-24FDXCES	125/-55	0	500	76	0
FN49	AU	114103	R1	CY8CTMA340-FNI-09	125/-55	0	500	79	0
FN49ABAAAL	AU	114103	R2A	CP7457KTF	125/-55	0	500	78	0
FN49	AU	114103	R1	CY8CTMA340-FNI-09	125/-55	0	500	78	0
FN49ABAAAL	AU	114103	R2A	CP7457KTF	125/-55	0	500	75	0
FN49ABAAAL	AU	MR112078	R1	CG7411AMT	125/-55	0	1000	25	0
FN49ABAAAL	AU	MR112078	R1	CG7411AMT	125/-55	0	500	29	0
FN81AGAN	AU	MR113060	R1	CYWB0124ABX-FDXIT	125/-55	0	500	30	0
FN81AGAN	AU	MR113060	R1	CYWB0124ABX-FDXIT	125/-55	0	1000	30	0
FN49ABAAAL	AU	MR113068	R1	CY8CTMA340-FNI-11T	125/-55	0	500	30	0
FN49ACAAAL	GQ	MR113072	R1	CY8CTMA340-FNI-09T	125/-55	0	500	25	0
FN81AGAN	AU	MR114061	R1	CYWB0124ABX-FDXI	125/-55	0	1000	30	0
FN81AGAN	AU	MR114061	R1	CYWB0124ABX-FDXI	125/-55	0	500	30	0

Summary for Package Family: FLIPCHIP CSP (Pb-Free)

56 records

Sum

3939 0

PBGA (Cavity/Heat Sink)

BL256L2GE	G	MR111039	R1	CYP15G0401DXB-BGC	150/-65	0	1000	26	0
BL256L2GE	G	MR111039	R2	CYP15G0401DXB-BGC	150/-65	0	500	80	0
BL256L2GE	G	MR111039	R2A	CYP15G0401DXB-BGC	150/-65	0	500	75	0
BL256L2GE	G	MR111039	R3	CYP15G0401DXB-BGC	150/-65	0	500	78	0
BL256L2GE	G	MR111039	R3A	CYP15G0401DXB-BGC	150/-65	0	500	75	0



Summary for Package Family: PBGA (Cavity/Heat Sink)

5 records

Sum 334 0

PBGA (Cavity/Heat Sink, Pb-free)

BJ256L2GL	G	113003	R1	CYP15G0401DXB-BGXC	150/-65	0	500	77	0
BJ256L2GL	G	113003	R1	CYP15G0401DXB-BGXC	150/-65	0	1000	77	0
BJ256L2GL	G	113003	R2	CYP15G0401DXB-BGXC	150/-65	0	500	77	0
BJ256L2GL	G	113003	R2	CYP15G0401DXB-BGXC	150/-65	0	1000	77	0
BJ256L2GL	G	113003	R3	CYP15G0401DXB-BGXC	150/-65	0	500	77	0
BJ256L2GL	G	113003	R3	CYP15G0401DXB-BGXC	150/-65	0	1000	77	0
BJ256L2GL	G	MR112057	R1	CYV15G0104TRB-BGXC	150/-65	0	500	30	0
BJ256L2GL	G	MR112057	R1	CYV15G0104TRB-BGXC	150/-65	0	1000	30	0
BJ256L2GL	G	MR121007	R1	CYP15G0401DXB-BGXI	150/-65	0	500	30	0
BJ256L2GL	G	MR121007	R1	CYP15G0401DXB-BGXI	150/-65	0	1000	30	0

Summary for Package Family: PBGA (Cavity/Heat Sink, Pb-free)

10 records

Sum 582 0

PDIP (Pb-Free)

PZ286EAAGN	X	MR112049	R1	CY62256NLL-70PXC	150/-65	0	500	30	0
PZ286EAAGN	X	MR112049	R1	CY62256NLL-70PXC	150/-65	0	1000	30	0
PZ283ACAGL	X	MR111052	R1	CY7C199CN-15PXC	150/-65	0	1000	22	0
PZ243AAAGN	X	MR113012	R1	CY7C63743C-PXC	150/-65	0	500	30	0
PZ243AAAGN	X	MR113012	R1	CY7C63743C-PXC	150/-65	0	1000	30	0
PZ183DPBGN	RA	MR111054	R1	CS6632AF	150/-65	0	1000	30	0
PZ183DPDGN	RA	MR112048	R1	CY7C63723C-PXC	150/-65	0	500	30	0
PZ183DPDGN	RA	MR112048	R1	CY7C63723C-PXC	150/-65	0	1000	30	0
PZ183DPDGN	RA	MR113011	R1	CY7C63723C-PXC	150/-65	0	500	30	0
PZ183DPDGN	RA	MR113011	R1	CY7C63723C-PXC	150/-65	0	1000	30	0
PZ183DPBGN	RA	MR113087	R1	CS6632AF	150/-65	0	500	30	0



PZ183DPBGN	RA	MR113087	R1	CS6632AF	150/-65	0	1000	30	0
PZ183EAAGN	X	MR114021	R1	CY7C63723C-PXC	150/-65	0	500	30	0
PZ183EAAGN	X	MR114021	R1	CY7C63723C-PXC	150/-65	0	1000	29	0
PZ183DPDGN	RA	MR121012	R1	CP6238BM	150/-65	0	500	30	0
PZ183DPDGN	RA	MR121012	R1	CP6238BM	150/-65	0	1000	30	0
PZ286EAAGN	X	MR121053	R1	CY62256NLL-70PXC	150/-65	0	500	30	0
PZ283ACAGL	X	RR112018	R1	CY7C199CN-15PXC	150/-65	0	300	30	0
PZ283ACAGL	X	RR112018	R1	CY7C199CN-15PXC	150/-65	0	1000	7	0
PZ283ACAGL	X	RR114001	R1	CY7C199CN-15PXC	150/-65	0	500	84	0
PZ283ACAGL	X	RR114001	R1	CY7C199CN-15PXC	150/-65	0	1000	84	0

Summary for Package Family: PDIP (Pb-Free)

21 records

Sum

706 0

PLCC (Pb-Free)

JZ84SBGAN	M	111501	R1	CY7C024-55JXC	150/-65	0	500	77	0
JZ84SBGAN	M	111501	R1	CY7C024-55JXC	150/-65	0	1000	77	0
JZ84SBGAN	M	111501	R2	CY7C024-55JXC	150/-65	0	500	77	0
JZ84SBGAN	M	111501	R2	CY7C024-55JXC	150/-65	0	1000	77	0
JZ44SDGAN	M	111501	R3	CY37064P44-125JXC	150/-65	0	500	80	0
JZ44SDGAN	M	111501	R3	CY37064P44-125JXC	150/-65	0	1000	80	0
JZ84SBGAN	M	111501	R4	CY7C024-55JXC	150/-65	0	500	77	0
JZ84SBGAN	M	111501	R4	CY7C024-55JXC	150/-65	0	1000	77	0
JZ32RBGAN	M	MR112030	R1	CY7B991V-2JXCT	150/-65	0	500	30	0
JZ32RBGAN	M	MR112030	R1	CY7B991V-2JXCT	150/-65	0	1000	28	0
JZ32RBGAN	M	MR113005	R1	CY7B991V-5JXC	150/-65	0	500	30	0
JZ32RBGAN	M	MR113005	R1	CY7B991V-5JXC	150/-65	0	1000	30	0
JZ52SGGAAN	M	113405	R1	CY7C136E-55JXC	150/-65	0	500	79	0
JZ52SGGAAN	M	113405	R1	CY7C136E-55JXC	150/-65	0	758	79	3
JZ52SGGAAN	M	113405	R2	CY7C136E-55JXC	150/-65	0	500	78	0

CAR#
201140020 Cut Wedge



Part Number	Material	Quantity	Revision	Description	Size	Count	Weight	Volume	Area	Length	CAR#	Notes
JZ52SGGAAN	M	113405	R2	CY7C136E-55JXC	150/-65	0	758	79	8		201140020	Cut Wedge
JZ68SDAALL	M	113604	R3	CY7C144E-55JXC	125/-55	0	500	77	0			
JZ68SDAALL	M	113604	R3	CY7C144E-55JXC	125/-55	0	1000	77	0			
JZ52SGGAAN	M	113405	R1	CY7C136E-55JXC	150/-65	0	1000	73	0			
JZ52SGGAAN	M	113405	R2	CY7C136E-55JXC	150/-65	0	1000	62	0			
JZ52SFGAN	M	MR114045	R1	CY7C136-25JXC	150/-65	0	500	30	0			
Summary for Package Family: PLCC (Pb-Free)			21	records				1374	11			
Sum												
PQFP (Pb-free)												
NZ52DXGAN	G	MR112060	R1	CY7C136-55NXCT	150/-65	0	1000	30	0			
NZ52DXGAN	G	MR112060	R1	CY7C136-55NXCT	150/-65	0	500	30	0			
NZ52EAALL	M	113405	R3	CY7C136E-55JXC	150/-65	0	500	79	0			
NZ52EAALL	M	113405	R3	CY7C136E-55JXC	150/-65	0	1000	79	0			
NZ52EAALL	M	113405	R4	CY7C136E-55JXC	150/-65	0	500	76	0			
NZ52EAALL	M	113405	R4	CY7C136E-55JXC	150/-65	0	1000	76	0			
NZ52DXGAN	G	MR113056	R1	CY7C136A-55NXI	150/-65	0	500	30	0			
NZ52DXGAN	G	MR113056	R1	CY7C136A-55NXI	150/-65	0	1000	30	0			
NZ52DXGAN	G	MR114028	R1	CY7C136A-55NXI	150/-65	0	500	30	0			
NZ52DXGAN	G	MR114028	R1	CY7C136A-55NXI	150/-65	0	1000	30	0			
NZ52DXGAN	G	MR121041	R1	CY7C131-55NXC	150/-65	0	500	30	0			
Summary for Package Family: PQFP (Pb-free)			11	records				520	0			
Sum												
QFN (COL, 0.6mm, Saw Type, Pb-free)												
LG16AQAAAL	G	112603	R1	CY8C20236A-24LKXI	150/-65	0	500	80	0			
LG16AQAAAL	G	112603	R1	CY8C20236A-24LKXI	150/-65	0	1000	80	0			
LG16AQAAAL	G	112603	R2	CY8C20236A-24LKXI	150/-65	0	500	80	0			
LG16AQAAAL	G	112603	R2	CY8C20236A-24LKXI	150/-65	0	1000	80	0			
LG16AQAAAL	G	112603	R3	CY8C20236A-24LKXI	150/-65	0	500	80	0			



LG16AQAAAL	G	112603	R3	CY8C20236A-24LKXI	150/-65	0	1000	80	0
LG16ABAALL	L	113302	R1	CY8C20236A-24LKXA	150/-65	0	500	80	0
LG16ABAALL	L	113302	R1	CY8C20236A-24LKXA	150/-65	0	1000	80	0
LG16ABAALL	L	113302	R2	CY8C20236A-24LKXA	150/-65	0	500	80	0
LG16ABAALL	L	113302	R2	CY8C20236A-24LKXA	150/-65	0	1000	80	0
LG16ABAALL	L	113302	R3	CY8C20236A-24LKXA	150/-65	0	500	80	0
LG16ABAALL	L	113302	R3	CY8C20236A-24LKXA	150/-65	0	1000	80	0
LG16AAAAL	MB	AR1043042	R1	CY8C20236A-24LKXIT	150/-65	0	1000	20	0
LG16AAAAL	MB	AR1050032	R1	CY8C20236A-24LKXIT	150/-65	0	1000	19	0
LG16AAAAL	MB	MR112021	R1	CY8C20236A-24LKXIT	150/-65	0	500	30	0
LG16AAAAL	MB	MR112021	R1	CY8C20236A-24LKXIT	150/-65	0	1000	30	0
LG16ABAALL	L	NR111001	R1	CY8C20236A-24LKXIKL	150/-65	0	500	30	0
LG16ABAALL	L	NR111001	R1	CY8C20236A-24LKXIKL	150/-65	0	1000	30	0
LG16ABAALL	L	NR111001	R2	CY8C20236A-24LKXIKL	150/-65	0	500	30	0
LG16ABAALL	L	NR111001	R2	CY8C20236A-24LKXIKL	150/-65	0	1000	30	0
LG16ABAALL	L	NR111001	R3	CY8C20236A-24LKXIKL	150/-65	0	500	30	0
LG16ABAALL	L	NR111001	R3	CY8C20236A-24LKXIKL	150/-65	0	1000	30	0
LG16AAAAL	MB	NR111002	R1	CY8C20236A-24LKXI	150/-65	0	500	30	0
LG16AAAAL	MB	NR111002	R1	CY8C20236A-24LKXI	150/-65	0	1000	30	0
LG16AAAAL	MB	NR111002	R2	CY8C20236A-24LKXI	150/-65	0	500	30	0
LG16AAAAL	MB	NR111002	R2	CY8C20236A-24LKXI	150/-65	0	1000	30	0
LG16AAAAL	MB	NR111002	R3	CY8C20236A-24LKXI	150/-65	0	500	30	0
LG16AAAAL	MB	NR111002	R3	CY8C20236A-24LKXI	150/-65	0	1000	30	0
LG16AQAAAL	G	114903	R1	CY8C20236A-24LKXI	150/-65	0	500	120	0
LG16AQAAAL	G	114903	R2	CY8C20236A-24LKXI	150/-65	0	500	119	0
LG16AQAAAL	G	114903	R3	CY8C20236A-24LKXI	150/-65	0	500	120	0
LG16AQAAAL	G	114903	R4	CY8C20224-12LKXI	150/-65	0	500	120	0
LG16AQAAAL	G	114903	R4	CY8C20224-12LKXI	150/-65	0	1000	110	0
LG16AQAAAL	G	114903	R5	CY8C20110-LDX2I	150/-65	0	500	120	0
LG16AQAAAL	G	114903	R5	CY8C20110-LDX2I	150/-65	0	1000	109	0



LG16ABAALL	L	MR112052	R1	CP7194FT	150/-65	0	1000	30	0
LG16AEAAAL	MB	MR113019	R1	CY8C20236A-24LKXIT	150/-65	0	500	30	0
LG16AEAAAL	MB	MR113019	R1	CY8C20236A-24LKXIT	150/-65	0	1000	30	0
LG16ABAALL	L	MR113029	R1	CS7412AT	150/-65	0	500	30	0
LG16ABAALL	L	MR113029	R1	CS7412AT	150/-65	0	1000	30	0
LG16AAAAL	MB	NR102001	R8	CS7148AT	150/-65	0	1000	56	0
LG16AAAAL	MB	RR114002	R1	CY8C20110-LDX2I	150/-65	0	200	100	0
LG16AAAAL	MB	RR114002	R1	CY8C20110-LDX2I	150/-65	0	500	100	0
LG16AAAAL	MB	RR114002	R2	CY8C20110-LDX2IT	150/-65	0	200	100	0
LG16AAAAL	MB	RR114002	R2	CY8C20110-LDX2IT	150/-65	0	500	100	0
LG16AAAAL	MB	RR114002	R3	CY8C20110-LDX2IT	150/-65	0	200	125	0
LG16AAAAL	MB	RR114002	R3	CY8C20110-LDX2IT	150/-65	0	500	125	0
LG16AAAAL	MB	RR121001	R1	CG7216AM	150/-65	0	500	80	0

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

48 records
Sum 3173 0

QFN (Punch Type, Pb-Free)

LY40CGAGR	L	MR111027	R1	CYRF69213-40LFXC	150/-65	0	1000	30	0
LY56DGAGL	L	MR111040	R1	CY8C24894-24LFXIT	150/-65	0	1000	30	0
LY40CGAGR	L	MR112018	R1	CYRF69213-40LFXC	150/-65	0	1000	30	0
LY40CGAGR	L	MR112018	R1	CYRF69213-40LFXC	150/-65	0	500	30	0
LY24BGAGL	L	MR112059	R1	CY8C21323-24LFXIT	150/-65	0	500	30	0
LY24BGAGL	L	MR112059	R1	CY8C21323-24LFXIT	150/-65	0	1000	30	0
LY40CGAGR	L	MR113023	R1	CYRF69213-40LFXC	150/-65	0	500	30	0
LY24BGAGL	L	MR113040	R1	CY8C21323-24LFXIT	150/-65	0	500	30	0
LY56AGAGL	L	MR114036	R1	CY7C65630-56LFXA	150/-65	0	1000	30	0
LY56AGAGL	L	MR114036	R1	CY7C65630-56LFXA	150/-65	0	500	30	0

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

10 records
Sum 300 0



QFN (Saw Type, Pb-Free)

LQ56ABAAAL	MB	110707	R1	CY8C24794-24LQXI	150/-65	0	500	77	0
LQ56ABAAAL	MB	110707	R1	CY8C24794-24LQXI	150/-65	0	1000	77	0
LQ56ABAAAL	MB	110707	R2	CY8C24794-24LQXI	150/-65	0	500	77	0
LQ56ABAAAL	MB	110707	R2	CY8C24794-24LQXI	150/-65	0	1000	77	0
LQ56ABAAAL	MB	110707	R3	CY8C24794-24LQXI	150/-65	0	500	77	0
LQ56ABAAAL	MB	110707	R3	CY8C24794-24LQXI	150/-65	0	1000	77	0
LT40ABAAAL	G	111812	R1	CYRF6936B-40LTXC	150/-65	0	500	77	0
LT40ABAAAL	G	111812	R1	CYRF6936B-40LTXC	150/-65	0	1000	77	0
LT32BBAAAL	G	111812	R2	CY7C60323-LTXC	150/-65	0	500	80	0
LT32BBAAAL	G	111812	R2	CY7C60323-LTXC	150/-65	0	1000	80	0
LT40ABAAAL	G	111812	R3	CYRF6936B-40LTXC	150/-65	0	500	80	0
LT40ABAAAL	G	111812	R3	CYRF6936B-40LTXC	150/-65	0	1000	80	0
LT56YAAAAL	G	111816	R1	CY7C65640A-LSXC	150/-65	0	500	80	0
LT56YAAAAL	G	111816	R1	CY7C65640A-LSXC	150/-65	0	1000	80	0
LT68YAAAAL	G	111816	R2	CY8CLED04-68LTXI	150/-65	0	500	79	0
LT68YAAAAL	G	111816	R2	CY8CLED04-68LTXI	150/-65	0	1000	79	0
LT56BAAAAL	G	111816	R3	CP6241DMT	150/-65	0	500	80	0
LT56BAAAAL	G	111816	R3	CP6241DMT	150/-65	0	1000	80	0
LQ32AQAAAAL	G	112104	R1	CY8C21434B-24LQXI	150/-65	0	500	80	0
LQ32QAAAAL	G	112104	R2	CY8C23533-24LQXI	150/-65	0	500	80	0
LQ36AQAAAAL	G	112104	R3	CY8CTMA340-LQI-01	150/-65	0	500	80	0
LQ56AQAAAAL	G	112105	R1	CY8C24794-24LQXI	150/-65	0	500	80	0
LQ56AQAAAAL	G	112105	R1	CY8C24794-24LQXI	150/-65	0	1000	80	0
LQ56AQAAAAL	G	112105	R2	CY8C24794-24LQXI	150/-65	0	500	80	0
LQ56AQAAAAL	G	112105	R2	CY8C24794-24LQXI	150/-65	0	1000	80	0
LQ48AQAAAAL	G	112105	R3	CY8CTMA301E5-48LQXI	150/-65	0	500	79	0
LQ48AQAAAAL	G	112105	R3	CY8CTMA301E5-48LQXI	150/-65	0	1000	79	0
LT40BQAAAAL	G	112106	R1	CYRF69103-40LTXCES	150/-65	0	1000	79	0
LT48EQAAAAL	G	112106	R2	CYWUSB6953-48LTXC	150/-65	0	1000	79	0



LT40BQAAAL	G	112106	R3	CYRF69103-40LTXCES	150/-65	0	1000	80	0
LT48AQAAAL	G	112107	R1	CY8CLED16-48LTXI	150/-65	0	500	80	0
LT48CQAAAL	G	112107	R2	CYWUSB6934-48LTXC	150/-65	0	500	77	0
LT48DQAAAL	G	112107	R3	CY8C3866LTI-068	150/-65	0	500	80	0
LT48DQAAAL	G	112107	R3	CY8C3866LTI-068	150/-65	0	1000	80	0
LQ24AQAAAL	G	112108	R1	CY7C68003-24LQXI	150/-65	0	500	80	0
LQ24AQAAAL	G	112108	R2	CY7C68003-24LQXI	150/-65	0	500	80	0
LQ24AQAAAL	G	112108	R3	CY7C68003-24LQXI	150/-65	0	500	80	0
LT88AAAAAL	RA	113002	R1A	CY8CTMA884LTI-13ES	150/-65	0	200	77	0
LT88AAAAAL	RA	113002	R1A	CY8CTMA884LTI-13ES	150/-65	0	500	75	0
LT88AAAAAL	RA	113002	R1A	CY8CTMA884LTI-13ES	150/-65	0	1000	72	0
LT88AAAAAL	RA	113002	R1B	CY8CTMA884LTI-13ES	150/-65	0	500	77	0
LT88AAAAAL	RA	113002	R1B	CY8CTMA884LTI-13ES	150/-65	0	1000	76	0
LT88AAAAAL	RA	113002	R1C	CY8CTMA884LTI-13ES	150/-65	0	200	77	0
LT88AAAAAL	RA	113002	R1C	CY8CTMA884LTI-13ES	150/-65	0	500	74	0
LT88AAAAAL	RA	113002	R2	CY8CTMA884LTI-13ES	150/-65	0	500	77	0
LT88AAAAAL	RA	113002	R2	CY8CTMA884LTI-13ES	150/-65	0	1000	76	0
LT88AAAAAL	RA	113002	R2A	CY8CTMA884LTI-13ES	150/-65	0	200	77	0
LT88AAAAAL	RA	113002	R2A	CY8CTMA884LTI-13ES	150/-65	0	500	76	0
LT88AAAAAL	RA	113002	R3A	CY8CTMA884LTI-13ES	150/-65	0	200	77	0
LT88AAAAAL	RA	113002	R3A	CY8CTMA884LTI-13ES	150/-65	0	500	74	0
LT88ABAAAL	LG	113802	R1	CY8CTMA884LTI-13ES	150/-65	0	200	77	0
LT88ABAAAL	LG	113802	R1	CY8CTMA884LTI-13ES	150/-65	0	500	75	0
LT88ABAAAL	L	113802	R2	CY8CTMA884LTI-13ES	150/-65	0	200	76	0
LT88ABAAAL	L	113802	R2	CY8CTMA884LTI-13ES	150/-65	0	500	74	0
LT88ABAAAL	L	113802	R3	CY8CTMA884LTI-13ES	150/-65	0	200	77	0
LT88ABAAAL	L	113802	R3	CY8CTMA884LTI-13ES	150/-65	0	500	75	0
LQ24ABAAL	AT	MR111002	R1	CP7262ATT	150/-65	0	1000	30	0
LQ36ABAAL	RA	MR111009	R1	CY8CTMA340-LQI-01T	150/-65	0	1000	30	0
LT32BAAAGL	CA	MR111044	R1	CY8C21434-24LTXI	150/-65	0	1000	30	0



LQ36AAAAAN	MB	MR111045	R1	CY8CTMA3405-LQI-01	150/-65	0	1000	30	0
LT48ABBAAL	MB	MR112022	R1	CP7245BT	150/-65	0	500	30	0
LT48ABBAAL	MB	MR112022	R1	CP7245BT	150/-65	0	1000	30	0
LQ32EPDAGL	RA	MR112023	R1	CY8C20446A-24LQXIT	150/-65	0	500	30	0
LQ32EPDAGL	RA	MR112023	R1	CY8C20446A-24LQXIT	150/-65	0	1000	30	0
LT56BDAAGL	AE	MR112027	R1	CY7C64215-56LTXC	150/-65	0	500	30	0
LT56BDAAGL	AE	MR112027	R1	CY7C64215-56LTXC	150/-65	0	1000	30	0
LQ48AAAAAL	R	MR113039	R1	CY8CTMA340-48LQI-01	150/-65	0	500	30	0
LQ48AAAAAL	R	MR113039	R1	CY8CTMA340-48LQI-01	150/-65	0	1000	30	0
LT32BAAAGL	CA	MR112014	R1	CY8C21434-24LTXI	150/-65	0	500	30	0
LT32BAAAGL	CA	MR112014	R1	CY8C21434-24LTXI	150/-65	0	1000	30	0
LQ32DAGLL	CA	MR112017	R1	CY8C20446A-24LQXIT	150/-65	0	500	30	0
LQ32DAGLL	CA	MR112017	R1	CY8C20446A-24LQXIT	150/-65	0	1000	30	0
LQ32DAGLL	CA	MR113038	R1	CY8C20446A-24LQXIT	150/-65	0	500	29	0
LQ32DAGLL	CA	MR113038	R1	CY8C20446A-24LQXIT	150/-65	0	1000	29	0
LT32BAABGL	RA	MR111034	R1	CY8C21434-24LTXIT	150/-65	0	1000	30	0
LQ24AAAAAL	RA	MR111042	R1	CY8C20324-12LQXI	150/-65	0	1000	30	0
LT68ADAAGL	RA	100401	R1	CY8C3866LTI-030ES2	150/-65	0	1000	2	0
LT68ADAAGL	RA	100401	R2	CY8C3866LTI-030ES2	150/-65	0	1000	10	0
LT88AAAAAL	RA	113002	R1C	CY8CTMA884LTI-13ES	150/-65	0	1000	72	0
LT88AAAAAL	RA	113002	R3	CY8CTMA884LTI-13ES	150/-65	0	500	76	0
LT88AAAAAL	RA	113002	R3	CY8CTMA884LTI-13ES	150/-65	0	1000	65	0
LQ48AAAAAL	RA	113211	R1	CY8CTMA340-48LQI-09	150/-65	0	500	80	0
LQ48AAAAAL	RA	113211	R1	CY8CTMA340-48LQI-09	150/-65	0	500	80	0
LQ48AAAAAL	RA	113211	R1	CY8CTMA340-48LQI-09	150/-65	0	1000	79	0
LQ48AAAAAL	RA	113211	R1B	CY8CTMA340-48LQI-09	150/-65	0	500	78	0
LQ48AAAAGL	RA	113905	R1	CY8CTMA443-48LQIES2	150/-65	0	500	83	0
LQ48AAAAGL	RA	113905	R1	CY8CTMA443-48LQIES2	150/-65	0	1000	83	0
LQ48AQAAAL	G	113905	R3	CY8CTMA443-48LQIES	150/-65	0	500	79	0
LQ48AQAAAL	G	113905	R3	CY8CTMA443-48LQIES	150/-65	0	1000	79	0



LQ48AQAAAL	G	113905	R4	CY8CTMA443-48LQIES	150/-65	0	500	80	0
LQ48AQAAAL	G	113905	R4	CY8CTMA443-48LQIES	150/-65	0	1000	80	0
LQ48AQAAAL	G	113905	R5	CY8CTMA443-48LQIES	150/-65	0	500	80	0
LQ48AQAAAL	G	113905	R5	CY8CTMA443-48LQIES	150/-65	0	1000	80	0
LQ36ABAAAL	RA	114301	R1A	CY8CTMA300E-36LQXI	150/-65	0	500	80	0
LQ36ABAAAL	RA	114301	R2A	CY8CTMA300E-36LQXI	150/-65	0	500	80	0
LQ36ABAAAL	RA	114301	R3A	CY8CTMA300E-36LQXI	150/-65	0	500	80	0
LQ48AAAAGL	RA	112207	R1	CY8CTMA443-48LQIES	150/-65	0	500	76	0
LQ48AAAAGL	RA	112207	R1	CY8CTMA443-48LQIES	150/-65	0	1000	76	0
LQ48AAAAGL	RA	112207	R2	CY8CTMA443-48LQIES	150/-65	0	500	77	0
LQ48AAAAGL	RA	112207	R2	CY8CTMA443-48LQIES	150/-65	0	1000	77	0
LQ48AAAAGL	RA	112207	R3	CY8CTMA443-48LQIES	150/-65	0	500	76	0
LQ48AAAAGL	RA	112207	R3	CY8CTMA443-48LQIES	150/-65	0	1000	20	0
LT88AAAAAL	RA	113002	R2A	CY8CTMA884LTI-13ES	150/-65	0	1000	73	0
LT88AAAAAL	RA	113002	R3A-Split 1	CY8CTMA884LTI-13ES	150/-65	0	500	1	0
LT88AAAAAL	RA	113002	R3A	CY8CTMA884LTI-13ES	150/-65	0	1000	69	0
LT88AAAAAL	RA	113002	R3A-Split 1	CY8CTMA884LTI-13ES	150/-65	0	1000 split 1	1	0
LT68YAAAAL	G	113603	R1	CY8C3865LTI-014	150/-65	0	500	77	0
LT68YAAAAL	G	113603	R2	CY8C3865LTI-014	150/-65	0	500	77	0
LT68YAAAAL	G	113603	R3	CY8C3865LTI-014	150/-65	0	500	80	0
LT88AAAAAL	RA	113804	R1	CY8CTMA884LTI-13ES	150/-65	0	1000	78	0
LT88AAAAAL	RA	113804	R1	CY8CTMA884LTI-13ES	150/-65	0	500	79	0
LT88AAAAAL	RA	113804	R2	CY8CTMA884LTI-13ES	150/-65	0	500	79	0
LT88AAAAAL	RA	113804	R2	CY8CTMA884LTI-13ES	150/-65	0	1000	78	0
LT88AAAAAL	RA	113804	R3	CY8CTMA884LTI-13ES	150/-65	0	500	79	0
LT88AAAAAL	RA	113804	R3	CY8CTMA884LTI-13ES	150/-65	0	1000	78	0
LT68ADAAGL	RA	114110	R1A	CY8C5568LTI-114	150/-65	0	500	80	0
LT68ADAAGL	RA	114110	R1A	CY8C5568LTI-114	150/-65	0	1000	74	0
LT68ADAAGL	RA	114110	R2A	CY8C5568LTI-114	150/-65	0	274	77	0
LT68ADAAGL	RA	114110	R2A	CY8C5568LTI-114	150/-65	0	500	77	0



LT68ADAAGL	RA	114110	R3	CY8C5568LTI-114	150/-65	0	500	84	0
LQ48AQAAAL	G	114101	R1	CY8CTMA443-48LQIES	150/-65	0	500	79	0
LQ48AQAAAL	G	114101	R2	CY8CTMA443-48LQIES	150/-65	0	500	80	0
LQ48AQAAAL	G	114101	R3	CY8CTMA443-48LQIES	150/-65	0	500	80	0
LQ24AQAAAL	G	114401	R1	CY7C63803-LQXC	150/-65	0	500	220	0
LQ24AQAAAL	G	114401	R2	CY8C20324-12LQXI	150/-65	0	500	220	0
LQ32QAAAAAL	G	114401	R3	CY8CTMG240-LQI-01	150/-65	0	500	220	0
LQ48AQAAAL	G	114403	R1	CY8CTMA300E-48LQXI	150/-65	0	1000	208	0
LQ48AQAAAL	G	114403	R1	CY8CTMA300E-48LQXI	150/-65	0	500	220	0
LQ48AQAAAL	G	114403	R2	CY8CTMA300E-48LQXI	150/-65	0	500	220	0
LQ48AQAAAL	G	114403	R2	CY8CTMA300E-48LQXI	150/-65	0	1000	209	0
LQ48AQAAAL	G	114403	R3	CY8CTMA300E-48LQXI	150/-65	0	500	220	0
LQ48AQAAAL	G	114403	R3	CY8CTMA300E-48LQXI	150/-65	0	1000	210	0
LQ56AQAAAL	G	114404	R1	CY8C24794-24LQXI	150/-65	0	500	220	0
LQ56AQAAAL	G	114404	R2	CY8C24794-24LQXI	150/-65	0	500	220	0
LQ56AQAAAL	G	114404	R3	CY8C24794-24LQXI	150/-65	0	500	220	0
LT68ADAAGL	RA	114407	R1	CY8C5568LTI-114	150/-65	0	500	77	0
LT68ADAAGL	RA	114407	R2	CY8C5568LTI-114	150/-65	0	500	80	0
LT68ADAAGL	RA	114407	R2	CY8C5568LTI-114	150/-65	0	1000	74	0
LT68ADAAGL	RA	114407	R3	CY8C5568LTI-114	150/-65	0	500	84	0
LT40ABAAAL	G	114904	R1	CYRF6986-40LTXC	150/-65	0	500	120	0
LT40ABAAAL	G	114904	R2	CYRF6986-40LTXC	150/-65	0	500	126	0
LT40ABAAAL	G	114904	R3	CYRF6986-40LTXC	150/-65	0	500	125	0
LT48AQAAAL	G	114905	R1	CY8C27643-24LTXI	150/-65	0	500	120	0
LT48AQAAAL	G	114905	R1	CY8C27643-24LTXI	150/-65	0	1000	120	0
LT48CQAAAL	G	114905	R2	CYWUSB6934-48LTXC	150/-65	0	500	120	0
LT48DQAAAL	G	114905	R3	CY8C3866LTI-068	150/-65	0	500	120	0
LT56YAAAAL	G	114906	R1	CY7C65630-56LTXC	150/-65	0	500	120	0
LT56YAAAAL	G	114906	R1	CY7C65630-56LTXC	150/-65	0	1000	108	0
LT68YAAAAL	G	114906	R2	CY8C3866LTI-030	150/-65	0	500	120	0



LT68YAAAAL	G	114906	R2	CY8C3866LTI-030	150/-65	0	1000	108	0
LT68YAAAAL	G	114906	R3	CY8C3866LTI-030	150/-65	0	500	120	0
LT32BBAAAL	G	114907	R1	CY8C21434-24LTXI	150/-65	0	500	120	0
LT32BBAAAL	G	114907	R2	CY22391LTXC-06	150/-65	0	500	126	0
LT32BBAAAL	G	114907	R3	CY7C63833-LTXC	150/-65	0	500	120	0
LQ48AAAAGL	RA	115106	R1	CY8CTMA443-48LQIES2	150/-65	0	500	80	0
LQ48AAAAGL	RA	115106	R1	CY8CTMA443-48LQIES2	150/-65	0	1000	78	0
LQ48AQAAAL	G	115108	R1	CY8CTMA443-48LQIES2	150/-65	0	500	77	0
LQ48AQAAAL	G	115108	R1	CY8CTMA443-48LQIES2	150/-65	0	1000	77	0
LQ44AAAALN	G	120104	R1	CY8CTMA443-44LQIES2	150/-65	0	500	80	0
LQ44AAAALN	G	120407	R1	CY8CTMA443-44LQIES	150/-65	0	500	77	0
LQ44AAAALN	G	120407	R1	CY8CTMA443-44LQIES	150/-65	0	1000	30	0
LQ44AAAALN	G	120407	R2	CY8CTMA443-44LQIES	150/-65	0	500	62	0
LQ44AAAALN	G	120407	R2	CY8CTMA443-44LQIES	150/-65	0	1000	30	0
LQ44AAAALN	G	120407	R2A	CY8CTMA443-44LQIES	150/-65	0	500	15	0
LQ44AAAALN	G	120407	R2A	CY8CTMA443-44LQIES	150/-65	0	1000	15	0
LQ44AAAALN	G	120407	R2A	CY8CTMA443-44LQIES	150/-65	0	500	15	0
LQ44AAAALN	G	120407	R3	CY8CTMA443-44LQIES	150/-65	0	500	77	0
LQ44AAAALN	G	120407	R3	CY8CTMA443-44LQIES	150/-65	0	1000	30	0
LQ36ABAAAL	RA	MR104014	R1	CP7248AT	150/-65	0	1000	27	0
LQ32CCAAL	CA	MR111032	R1	CP6745DMT	150/-65	0	1000	30	0
LT48ACBAAL	MB	MR111035	R1	CY8C27643-24LTXIT	150/-65	0	1000	30	0
LQ24ADAAGL	CA	MR111043	R1	CY8CTST200A-24LQXI	150/-65	0	1000	30	0
LT68ADAAGL	RA	MR112002	R1	CY8C3446LTI-085	150/-65	0	1000	7	0
LQ32ACBAGL	MB	MR112012	R1	CP6745DMT	150/-65	0	1000	30	0
LQ32ACBAGL	MB	MR112012	R1	CP6745DMT	150/-65	0	500	30	0
LQ24ADAAGL	CA	MR112013	R1	CY8CTST200A-24LQXIT	150/-65	0	500	30	0
LQ24ADAAGL	CA	MR112013	R1	CY8CTST200A-24LQXIT	150/-65	0	1000	30	0
LQ48AAAAAL	RA	MR112019	R1	CG7394AMT	150/-65	0	500	30	0
LQ48AAAAAL	RA	MR112019	R1	CG7394AMT	150/-65	0	1000	30	0



LQ36AAAAAN	MB	MR113020	R1	CY8CTMA300E-36LQXI	150/-65	0	500	30	0
LQ36AAAAAN	MB	MR113020	R1	CY8CTMA300E-36LQXI	150/-65	0	1000	30	0
LT32BAAAGL	CA	MR113021	R1	CY8C21434-24LTXT	150/-65	0	500	30	0
LQ32DAGLL	CA	MR113038	R1	CY8C20446A-24LQXIT	150/-65	0	500	29	0
LQ32DAGLL	CA	MR113038	R1	CY8C20446A-24LQXIT	150/-65	0	1000	29	0
LQ48AAAAAL	RA	MR113059	R1	CG7415AF	150/-65	0	500	30	0
LQ36AAAAAL	L	MR113075	R1	CY8CTMA375-LQI-01	150/-65	0	500	80	0
LQ48AAAAAL	RA	MR113075	R2	CY8CTMA340-48LQI-01T	150/-65	0	500	79	0
LQ36AAAAAN	MB	MR113075	R3	CY8CTMA300E-36LQXI	150/-65	0	500	80	0
LQ48AAAAAL	RA	MR113075	R5	CY8CTMA340-48LQI-01T	150/-65	0	1000	76	0
LQ36AAAAAL	L	MR113075	R1	CY8CTMA375-LQI-01	150/-65	0	1000	80	0
LQ36AAAAAN	MB	MR113075	R3	CY8CTMA300E-36LQXI	150/-65	0	1000	80	0
LQ32CCAAL	CA	MR114013	R1	CP6745DMT	150/-65	0	500	30	0
LQ32CCAAL	CA	MR114013	R1	CP6745DMT	150/-65	0	1000	30	0
LQ48AAAAAL	RA	MR114016	R1	CY8CTMA340-48LQI-09	150/-65	0	500	30	0
LQ48AAAAAL	RA	MR114016	R1	CY8CTMA340-48LQI-09	150/-65	0	1000	30	0
LQ48AQAAAL	G	MR114025	R1	CY8CTMA340-48LQI-01T	150/-65	0	500	30	0
LQ48AQAAAL	G	MR114025	R1	CY8CTMA340-48LQI-01T	150/-65	0	1000	30	0
LQ56ABAAAL	MB	NR113001	R1	CY8C24794-24LQXIT	150/-65	0	500	30	0
LQ56ABAAAL	MB	NR113001	R1	CY8C24794-24LQXIT	150/-65	0	1000	30	0
LQ56ABAAAL	MB	NR113001	R2	CY8C24794-24LQXIT	150/-65	0	500	30	0
LQ56ABAAAL	MB	NR113001	R2	CY8C24794-24LQXIT	150/-65	0	1000	30	0
LQ56ABAAAL	MB	NR113001	R3	CY8C24794-24LQXIT	150/-65	0	500	30	0
LQ56ABAAAL	MB	NR113001	R3	CY8C24794-24LQXIT	150/-65	0	1000	30	0
LQ56AAAAAL	RA	NR114002	R1	CY8C24794-24LQXIT	150/-65	0	500	25	0
LQ56AAAAAL	RA	NR114002	R1	CY8C24794-24LQXIT	150/-65	0	1000	25	0
LQ56AAAAAL	RA	NR114002	R2	CY8C24794-24LQXIT	150/-65	0	500	25	0
LQ56AAAAAL	RA	NR114002	R2	CY8C24794-24LQXIT	150/-65	0	1000	25	0

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

210

records

Sum

15147

0



QSOP (Pb-Free)

SQ2414ABGN	R	MR111076	R1	CY7C63743C-QXC	150/-65	0	500	30	0
SQ2414ABGN	R	MR111076	R1	CY7C63743C-QXC	150/-65	0	1000	30	0
SQ2414ACGN	JT	110908	R1	CY7C63743C-QXC	150/-65	0	1000	80	0
SQ2414ACGN	JT	110908	R3	CY7C60223-QXC	150/-65	0	1000	73	0
SQ2414ACGN	JT	110908	R2	CY7C63101C-QXC	150/-65	0	1000	80	0
SQ2414ACGN	JT	NR113002	R1	CY7C63823-QXC	150/-65	0	1000	25	0

Summary for Package Family: QSOP (Pb-Free)

6 records

Sum

318 0

SNC (Pb-Free)

SY2831BHN	JT	111401	R1	7A622574NDC	150/-65	0	1000	89	0
SY2831BHN	JT	111401	R2	CY62256NLL-70SNXA	150/-65	0	1000	90	0
SY2831BHN	JT	111401	R3	CY6264-70SNXA	150/-65	0	1000	90	0
SY2831BBLN	R	MR112034	R1	CY62256NLL-55SNXI	150/-65	0	500	30	0
SY2831BBLN	R	MR112034	R1	CY62256NLL-55SNXI	150/-65	0	1000	30	0
SY2831BBLN	R	MR113001	R1	CG6715AMT	150/-65	0	500	30	0
SY2831BBLN	R	MR113001	R1	CG6715AMT	150/-65	0	1000	30	0
SY2831BBLN	R	MR111020	R1	CY62256NLL-70SNXCT	150/-65	0	1000	30	0
SY2831BCLN	JT	MR114017	R1	CY62256NLL-70SNXC	150/-65	0	500	30	0
SY2831BCLN	JT	MR114017	R1	CY62256NLL-70SNXC	150/-65	0	1000	30	0

Summary for Package Family: SNC (Pb-Free)

10 records

Sum

479 0

SOIC

S0815KAGB	M	AR1112032	R1	IMIFS741BZBT	150/-65	0	500	20	0
S0815KAGB	M	AR1112032	R1	IMIFS741BZBT	150/-65	0	1000	20	0
S1615KDAGN	RA	MR111051	R1	CY2309SC-1H	150/-65	0	1000	30	0

Summary for Package Family: SOIC

3 records



Sum

70 0

SOIC (Pb Free)

SZ32451ALL	JT	110902	R1	CY62148BNLL-70SXI	150/-65	0	1000	79	0
SZ32451DLL	JT	110902	R2	CG6713AM	150/-65	0	1000	80	0
SZ32457CLN	JT	110902	R3	CG6707AM	150/-65	0	1000	79	0
SZ324513AN	JT	111411	R1	7A62128ZHC	150/-65	0	500	85	0
SZ324513AN	JT	111411	R1	7A62128ZHC	150/-65	0	1000	80	0
SZ32457ALN	JT	111411	R2	7A62128KC	150/-65	0	500	80	0
SZ32457ALN	JT	111411	R2	7A62128KC	150/-65	0	1000	80	0
SZ32457ALN	JT	111411	R3	7A62128KC	150/-65	0	500	80	0
SZ32457ALN	JT	111411	R3	7A62128KC	150/-65	0	1000	80	0
SZ324513AN	JT	111412	R1	CY62128BNLL-70SXA	150/-65	0	1000	90	0
SZ32457ALN	JT	111412	R2	CY62128ELL-55ZAXE	150/-65	0	1000	90	0
SZ32457ALN	JT	111412	R3	CY62128ELL-55ZAXE	150/-65	0	1000	90	0
SZ815CGAN	M	AR1032019	R1	CP7263ATT	150/-65	0	1000	15	0
SZ815CGAN	M	AR1043020	R1	CY8C21123-24SXI	150/-65	0	500	20	0
SZ815CGAN	M	AR1043020	R1	CY8C21123-24SXI	150/-65	0	1000	20	0
SZ1615DGN	M	AR1043021	R1	CY8C21234-24SXI	150/-65	0	500	20	0
SZ1615DGN	M	AR1043021	R1	CY8C21234-24SXI	150/-65	0	1000	20	0
SZ815KAGN	M	AR1050040	R1	CY25100SXI-050T	150/-65	0	500	20	0
SZ815KAGN	M	AR1050040	R1	CY25100SXI-050T	150/-65	0	1000	19	0
SZ815PADGN	RA	AR1105010	R1	CY2305CSXC-1T	150/-65	0	500	16	0
SZ815KAGN	M	AR1105019	R1	CYIFS731SXCT	150/-65	0	500	20	0
SZ815KAGN	M	AR1105019	R1	CYIFS731SXCT	150/-65	0	1000	20	0
SZ815CGAN	M	AR1105021	R1	CP6789AMT	150/-65	0	500	20	0
SZ815CGAN	M	AR1105021	R1	CP6789AMT	150/-65	0	1000	20	0
SZ815CGAN	M	AR1105022	R1	CP7202ATT	150/-65	0	1000	20	0
SZ815CGAN	M	AR1105023	R1	CY8C21123-24SXI	150/-65	0	500	20	0
SZ815CGAN	M	AR1105023	R1	CY8C21123-24SXI	150/-65	0	1000	20	0
SZ815CGAN	M	AR1105024	R1	CY8C21123-24SXI	150/-65	0	500	20	0



SZ815CGAN	M	AR1105024	R1	CY8C21123-24SXI	150/-65	0	1000	20	0		
SZ815CGAN	M	AR1105025	R1	CY8C21123-24SXI	150/-65	0	500	20	0		
SZ815CGAN	M	AR1105025	R1	CY8C21123-24SXI	150/-65	0	1000	20	0		
SZ815CGAN	M	AR1105027	R1	CP6789AMT	150/-65	0	500	20	0		
SZ815CGAN	M	AR1105027	R1	CP6789AMT	150/-65	0	1000	20	0		
SZ815CGAN	M	AR1105028	R1	CY8C21123-24SXI	150/-65	0	500	19	0		
SZ815CGAN	M	AR1105028	R1	CY8C21123-24SXI	150/-65	0	1000	19	0		
SZ323AEGAS	M	AR1111024	R1	CY14B256LA-SZ45XIT	150/-65	0	500	20	0		
SZ323AEGAS	M	AR1111024	R1	CY14B256LA-SZ45XIT	150/-65	0	1000	18	0		
SZ815CGAN	M	AR1112024	R1	CY8C24123A-24SXIT	150/-65	0	500	20	0		
SZ815CGAN	M	AR1112025	R1	CY8C24123A-24SXIT	150/-65	0	500	20	0		
SZ815CGAN	M	AR1112027	R1	CY8C24123A-24SXI	150/-65	0	500	20	0		
SZ815KAGN	M	AR1112029	R1	CY25100SXI-050T	150/-65	0	500	20	0		
SZ815KAGN	M	AR1112029	R1	CY25100SXI-050T	150/-65	0	1000	20	0		
SZ815CGAAS	M	AR1112030	R1	CY2305CSXA-1HT	150/-65	0	500	20	0		
SZ815CGAAS	M	AR1112030	R1	CY2305CSXA-1HT	150/-65	0	1000	20	0		
SZ815CGAAS	M	AR1115029	R1	CY2305CSXA-1HT	150/-65	0	500	20	0		
SZ815CGAAS	M	AR1115029	R1	CY2305CSXA-1HT	150/-65	0	1000	20	0		
SZ0815TAGN	T	AR1118024	R1	CY25402SXC-007T	150/-65	0	500	19	0		
SZ0815TAGN	T	AR1118024	R1	CY25402SXC-007T	150/-65	0	1000	19	0		
SZ28327BGL	R	MR104070	R1	CY8C21345-24SXI	150/-65	0	500	30	0		
SZ28327BGL	R	MR104070	R1	CY8C21345-24SXI	150/-65	0	1000	30	0		
SZ28327BGL	R	MR111003	R1	CY8C27443-24SXIT	150/-65	0	1000	30	0		
SZ24315EGN	RA	MR111006	R1	CY7C63743C-SXCT	150/-65	0	1000	30	9	MR111006-1T2	Cut wedge.
SZ815PAEGN	RA	MR111030	R1	CY2305SXC-1HT	150/-65	0	1000	30	0		
SZ323ACAGR	M	MR111038	R1	STK14C88-3NF45TR	150/-65	0	500	30	0		
SZ323ACAGR	M	MR111038	R1	STK14C88-3NF45TR	150/-65	0	1000	30	0		
SZ1615FAL	T	MR111046	R1	CY2309CSXC-1	150/-65	0	1000	30	0		
SZ815CGAN	M	MR111053	R1	CY8C24123A-24SXI	150/-65	0	1000	30	0		
SZ28327BGL	R	MR111055	R1	CY8C27443-24SXIT	150/-65	0	1000	30	0		



SZ324513N	R	MR111064	R1	CY62128BNLL-70SXET	150/-65	0	500	29	0
SZ324513N	R	MR111064	R1	CY62128BNLL-70SXET	150/-65	0	1000	28	0
SZ1615KDGDN	RA	MR112010	R1	CY2292FXC	150/-65	0	500	30	0
SZ1615KDGDN	RA	MR112010	R1	CY2292FXC	150/-65	0	1000	30	0
SZ815DAGN	M	AR1121026	R1	CY2907FX8T	150/-65	0	500	20	0
SZ815DAGN	M	AR1121026	R1	CY2907FX8T	150/-65	0	1000	20	0
SZ323ABAGS	M	MR101047	R1	CY14B101L-SZ45XC	150/-65	0	500	28	0
SZ323ABAGS	M	MR101047	R1	CY14B101L-SZ45XC	150/-65	0	1000	26	0
SZ323AEGAS	M	MR112031	R1	CY14B256LA-SZ45XIT	150/-65	0	500	30	0
SZ323AEGAS	M	MR112031	R1	CY14B256LA-SZ45XIT	150/-65	0	1000	29	0
SZ24315EGN	RA	MR112032	R1	CY7C63743C-SXC	150/-65	0	500	30	0
SZ24315EGN	RA	MR112032	R1	CY7C63743C-SXC	150/-65	0	1000	29	0
SZ324513N	R	MR112035	R1	CY62128BNLL-70SXET	150/-65	0	500	30	0
SZ324513N	R	MR112035	R1	CY62128BNLL-70SXET	150/-65	0	1000	29	0
SZ815PAEGN	RA	MR114001	R1	CY2305SXI-1H	150/-65	0	500	30	0
SZ815PAEGN	RA	MR114001	R1	CY2305SXI-1H	150/-65	0	1000	30	0
SZ0815TAGN	T	111403	R1	CY25402SXC-007	150/-65	0	500	80	0
SZ0815TAGN	T	111403	R1	CY25402SXC-007	150/-65	0	1000	80	0
SZ0815TAGN	T	111403	R2	CY25402SXC-007	150/-65	0	500	80	0
SZ0815TAGN	T	111403	R2	CY25402SXC-007	150/-65	0	1000	80	0
SZ0815TAGN	T	111403	R3	CY25402SXC-007	150/-65	0	500	80	0
SZ0815TAGN	T	111403	R3	CY25402SXC-007	150/-65	0	1000	80	0
SZ28	JT	113907	R1	8C294665A	150/-65	0	500	77	0
SZ28327BGL	JT	113907	R2	8C294665A	150/-65	0	500	77	0
SZ28	JT	113907	R3	8C294665A	150/-65	0	500	77	0
SZ324513AN	JT	115206	R1	CY62128BNLL-70SXE	150/-65	0	500	80	0
SZ324513AN	JT	115206	R1	CY62128BNLL-70SXE	150/-65	0	1000	80	0
SZ324513AN	JT	115206	R2	CY62128BNLL-70SXE	150/-65	0	500	80	0
SZ324513AN	JT	115206	R2	CY62128BNLL-70SXE	150/-65	0	1000	80	0
SZ324513AN	JT	115206	R3	CY62128BNLL-70SXE	150/-65	0	500	80	0



SZ324513AN	JT	115206	R3	CY62128BNLL-70SXE	150/-65	0	1000	80	0
SZ324513AN	JT	120110	R1	CY62128BNLL-70SXE	150/-65	0	500	80	0
SZ324513AN	JT	120110	R2	CY62128BNLL-70SXE	150/-65	0	500	80	0
SZ324513AN	JT	120110	R3	CY62128BNLL-70SXE	150/-65	0	500	80	0
SZ24315EGN	RA	AR1119008	R1	CY7C63743C-SXC	150/-65	0	500	17	0
SZ24315EGN	RA	AR1119008	R1	CY7C63743C-SXC	150/-65	0	1000	17	0
SZ323ACAGR	M	MR104062	R1A	STK14C88-3NF35TR	150/-65	0	500	29	0
SZ323ACAGR	M	MR104062	R1A	STK14C88-3NF35TR	150/-65	0	1000	29	0
SZ815CGAAS	M	MR112007	R1	CY2305CSXA-1HT	150/-65	0	500	30	0
SZ815CGAAS	M	MR112007	R1	CY2305CSXA-1HT	150/-65	0	1000	29	0
SZ1615FAL	T	MR112065	R1	CY7C63803-SXC	150/-65	0	500	30	0
SZ1615FAL	T	MR112065	R1	CY7C63803-SXC	150/-65	0	1000	30	0
SZ28327BGL	R	MR112066	R1	CY8C27443-24SXI	150/-65	0	500	30	0
SZ28327BGL	R	MR112066	R1	CY8C27443-24SXI	150/-65	0	1000	30	0
SZ324513BN	R	MR113002	R1	CY62128BNLL-55SXI	150/-65	0	500	30	0
SZ324513BN	R	MR113002	R1	CY62128BNLL-55SXI	150/-65	0	1000	30	0
SZ1615KDG	RA	MR113009	R1	CY2292FXC	150/-65	0	500	30	0
SZ1615KDG	RA	MR113009	R1	CY2292FXC	150/-65	0	1000	29	0
SZ28327BGL	R	MR113017	R1	CY8C21345-24SXI	150/-65	0	500	30	0
SZ28327BGL	R	MR113017	R1	CY8C21345-24SXI	150/-65	0	1000	30	0
SZ323AEGAS	M	MR113035	R1	CY14B101LA-SZ25XIT	150/-65	0	500	30	0
SZ1615FAL	T	MR113045	R1	CY23EP09SXC-1HT	150/-65	0	500	30	0
SZ1615FAL	T	MR113045	R1	CY23EP09SXC-1HT	150/-65	0	1000	29	0
SZ1615EGN	M	MR113071	R1	CY2309SXI-1H	150/-65	0	500	29	0
SZ1615EGN	M	MR113071	R1	CY2309SXI-1H	150/-65	0	1000	29	0
SZ32458CLN	JT	MR114002	R1	CY62128ELL-45SXIT	150/-65	0	500	30	0
SZ1615FAL	T	MR114019	R1	CY7C63801-SXC	150/-65	0	500	30	0
SZ1615FAL	T	MR114019	R1	CY7C63801-SXC	150/-65	0	1000	30	0
SZ24315EGN	RA	MR114020	R1	CY7C63743C-SXCT	150/-65	0	500	30	0
SZ815CGAAS	M	MR114037	R1	CY2305CSXA-1H	150/-65	0	500	27	0



SZ815CGAAS	M	MR114037	R1	CY2305CSXA-1H	150/-65	0	1000	27	0
SZ0815TAGN	T	MR121045	R1	CY25422FSXI	150/-65	0	500	30	0
Summary for Package Family: SOIC (Pb Free)			120	records					
Sum								4677	9
SOJ									
V3645BGBLN	JT	110907	R1	7C1549SCC	150/-65	0	1000	80	0
V243GAAAGN	X	MR112050	R1	CY7C197BN-15VCT	150/-65	0	500	30	0
V243GAAAGN	X	MR112050	R1	CY7C197BN-15VCT	150/-65	0	1000	30	0
Summary for Package Family: SOJ			3	records					
Sum								140	0
SOJ (Pb-Free)									
VZ444ADCLN	JT	110907	R2	CY7C1041DV33-10VXI	150/-65	0	1000	79	0
VZ444ACCLN	JT	110907	R3	CY7C1021D-10VXI	150/-65	0	1000	80	0
VZ444YBLL	JT	111804	R1	7A134101FC	150/-65	0	500	84	0
VZ444YBLL	JT	111804	R1	7A134101FC	150/-65	0	1000	79	0
VZ444WHGL	JT	111804	R2	7A1021SFC	150/-65	0	500	80	0
VZ444WHGL	JT	111804	R2	7A1021SFC	150/-65	0	1000	80	0
VZ444ZCLL	JT	111804	R3	7A122101GC	150/-65	0	500	84	0
VZ444ZCLL	JT	111804	R3	7A122101GC	150/-65	0	1000	82	0
VZ2439ABGS	X	AR1108023	R1	CY7C128A-20VXCT	150/-65	0	500	20	0
VZ32314BLL	R	MR111050	R1	CY7C1018DV33-10VXIT	150/-65	0	1000	30	0
VZ2847AAAR	OP	MR111047	R1	CY7C107D-10VXI	150/-65	0	1000	30	0
VZ444ACBLN	R	MR112008	R1	CY7C1021DV33-10VXI	150/-65	0	500	30	0
VZ444ACBLN	R	MR112008	R1	CY7C1021DV33-10VXI	150/-65	0	1000	30	0
VZ2439ABGS	X	AR1108023	R1	CY7C128A-20VXCT	150/-65	0	1000	20	0
VZ3649BALN	R	MR111021	R1	CY7C1049DV33-10VXIT	150/-65	0	1000	30	0
VZ32314BLL	R	MR112033	R1	CY7C1009D-10VXIT	150/-65	0	500	30	0
VZ2847AAAR	OP	MR112051	R1	CY7C107D-10VXI	150/-65	0	500	30	0
VZ2847AAAR	OP	MR112051	R1	CY7C107D-10VXI	150/-65	0	1000	30	0



VZ444ACBLN	R	MR113049	R1	CG7109AM	150/-65	0	500	30	0
VZ444ACBLN	R	MR113049	R1	CG7109AM	150/-65	0	1000	30	0
VZ28311KLL	R	MR113064	R1	CY7C1399BN-15VXAT	150/-65	0	500	30	0
VZ32314CLL	JT	MR114044	R1	CY7C1018DV33-10VXIT	150/-65	0	500	30	0
VZ32420DLL	JT	MR121023	R1	CY7C1019D-10VXI	150/-65	0	500	30	0
VZ32420DLL	JT	NR113003	R1	CY7C109D-10VXI	150/-65	0	500	25	0
VZ32420DLL	JT	NR113003	R1	CY7C109D-10VXI	150/-65	0	1000	25	0
VZ32421CLL	JT	NR113003	R2	CY7C1046DV33-10VXI	150/-65	0	500	25	0
VZ32421CLL	JT	NR113003	R2	CY7C1046DV33-10VXI	150/-65	0	1000	25	0
VZ3649BBLN	JT	NR114001	R1	CY7C1049D-10VXIKJ	150/-65	0	500	25	0
VZ3649BBLN	JT	NR114001	R1	CY7C1049D-10VXIKJ	150/-65	0	1000	25	0
VZ444ADDLN	JT	NR114001	R2	CY7C1041DV33-10VXIKJ	150/-65	0	500	25	0
VZ444ADDLN	JT	NR114001	R2	CY7C1041DV33-10VXIKJ	150/-65	0	1000	25	0
Summary for Package Family: SOJ (Pb-Free)			31	records				1278	0
Sum								1278	0
SSOP (Pb-Free)									
SP483JAAAL	R	104407	R1	CY8C20566A-12PVXE	150/-65	0	500	85	0
SP483JAAAL	R	104407	R2	CY8C20566A-12PVXE	150/-65	0	500	80	0
SP483JAAAL	R	104407	R3	CY8C20566A-12PVXE	150/-65	0	500	80	0
SP563DBCNG	JT	104802	R1	CY7C68001-56PVXC	150/-65	0	1000	80	0
SP483JBCLL	JT	104802	R2	CY14B101KA-SP45XI	150/-65	0	1000	80	0
SP563DBCNG	JT	104802	R3	CY7C68013A-56PVXC	150/-65	0	1000	80	0
SP563DBCNG	JT	104810	R1	CY7C68001-56PVXC	150/-65	0	1000	80	0
SP483JBCLL	JT	104810	R2	CY14B101KA-SP45XI	150/-65	0	1000	80	0
SP563DBCNG	JT	104810	R3	CY7C68013A-56PVXC	150/-65	0	1000	80	0
SP483JABLL	JT	105201	R1	CY8C29666-12PVXE	150/-65	0	500	84	0
SP483JABLL	JT	105201	R1	CY8C29666-12PVXE	150/-65	0	1000	80	0
SP483JABLL	JT	105201	R2	CY8C21645-12PVXE	150/-65	0	500	85	0
SP483JABLL	JT	105201	R2	CY8C21645-12PVXE	150/-65	0	1000	85	0
SP483JABAL	JT	105201	R3	CY8C20566A-12PVXE	150/-65	0	500	80	0



SP483JABAL	JT	105201	R3	CY8C20566A-12PVXE	150/-65	0	1000	80	0
SP282ABBGN	RA	AR1037013	R1	CY8C21534-24PVXI	150/-65	0	1000	19	0
SP483EBBAL	R	AR1045003	R1	CY8C29666-24PVXI	150/-65	0	1000	19	0
SP483EBBAL	R	AR1051003	R1	CY8C29666-24PVXIT	150/-65	0	500	20	0
SP483EBBAL	R	AR1051003	R1	CY8C29666-24PVXIT	150/-65	0	1000	20	0
SP483EBBAL	R	AR1052003	R1	CY8C29666-24PVXI	150/-65	0	500	19	0
SP483EBBAL	R	AR1052003	R1	CY8C29666-24PVXI	150/-65	0	1000	19	0
SP483EBBAL	R	AR1103003	R1	CY8C29666-24PVXI	150/-65	0	500	13	0
SP483EBBAL	R	AR1103003	R1	CY8C29666-24PVXI	150/-65	0	1000	13	0
SP483EBBAL	R	AR1105003	R1	CY8C29666-24PVXI	150/-65	0	1000	17	0
SP483EBBAL	R	AR1108003	R1	CY8C29666-24PVXI	150/-65	0	500	19	0
SP483EBBAL	R	AR1108003	R1	CY8C29666-24PVXI	150/-65	0	1000	17	0
SP483EBBAL	R	AR1109003	R1	CY8C29666-24PVXIT	150/-65	0	500	17	0
SP483EBBAL	R	AR1109003	R1	CY8C29666-24PVXIT	150/-65	0	1000	14	0
SP483EBBAL	R	AR1116003	R1	CY8C29666-24PVXI	150/-65	0	500	17	0
SP483EBBAL	R	AR1116003	R1	CY8C29666-24PVXI	150/-65	0	1000	17	0
SP483EBBAL	R	AR1117003	R1	CY8C29666-24PVXIT	150/-65	0	500	18	0
SP483EBBAL	R	AR1117003	R1	CY8C29666-24PVXIT	150/-65	0	1000	17	0
SP2822BGL	M	AR1117023	R1	CP7407ATT	150/-65	0	500	20	0
SP2822BGL	M	AR1117023	R1	CP7407ATT	150/-65	0	1000	20	0
SP483EBBAL	R	AR1118003	R1	CY8C29666-24PVXIT	150/-65	0	500	20	0
SP483EBBAL	R	AR1118003	R1	CY8C29666-24PVXIT	150/-65	0	1000	18	0
SP483EBCAL	JT	AR1126030	R1	CY8C29666-24PVXIT	150/-65	0	100	20	0
SP483EBCAL	JT	AR1126030	R1	CY8C29666-24PVXIT	150/-65	0	300	19	0
SP483EBCAL	JT	AR1126030	R1	CY8C29666-24PVXIT	150/-65	0	500	19	0
SP483EBCAL	JT	AR1126031	R1	CY8C29666-24PVXIT	150/-65	0	100	17	0
SP483EBCAL	JT	AR1126031	R1	CY8C29666-24PVXIT	150/-65	0	300	17	0
SP483EBCAL	JT	AR1126031	R1	CY8C29666-24PVXIT	150/-65	0	500	15	0
SP483EBCAL	JT	AR1126032	R1	CY8C29666-24PVXIT	150/-65	0	100	20	0
SP483EBCAL	JT	AR1126032	R1	CY8C29666-24PVXIT	150/-65	0	300	20	0



SP483EBCAL	JT	AR1126032	R1	CY8C29666-24PVXIT	150/-65	0	500	20	0
SP483EBCAL	JT	AR1126033	R1	CY8C29666-24PVXIT	150/-65	0	100	20	0
SP483EBCAL	JT	AR1126033	R1	CY8C29666-24PVXIT	150/-65	0	300	20	0
SP483EBCAL	JT	AR1126033	R1	CY8C29666-24PVXIT	150/-65	0	500	20	0
SP483EBCAL	JT	AR1126034	R1	CY8C29666-24PVXIT	150/-65	0	100	19	0
SP483EBCAL	JT	AR1126034	R1	CY8C29666-24PVXIT	150/-65	0	300	19	0
SP483EBCAL	JT	AR1126034	R1	CY8C29666-24PVXIT	150/-65	0	500	19	0
SP483EBCAL	JT	AR1126035	R1	CY8C29666-24PVXIT	150/-65	0	100	20	0
SP483EBCAL	JT	AR1126035	R1	CY8C29666-24PVXIT	150/-65	0	300	20	0
SP483EBCAL	JT	AR1126035	R1	CY8C29666-24PVXIT	150/-65	0	500	14	0
SP483EBCAL	JT	AR1126036	R1	CY8C29666-24PVXIT	150/-65	0	100	20	0
SP483EBCAL	JT	AR1126036	R1	CY8C29666-24PVXIT	150/-65	0	300	20	0
SP483EBCAL	JT	AR1126036	R1	CY8C29666-24PVXIT	150/-65	0	500	17	0
SP483EBCAL	JT	AR1127022	R1	CY8C29666-24PVXI	150/-65	0	100	20	0
SP483EBCAL	JT	AR1127022	R1	CY8C29666-24PVXI	150/-65	0	300	20	0
SP483EBCAL	JT	AR1127022	R1	CY8C29666-24PVXI	150/-65	0	500	20	0
SP483EBCAL	JT	AR1127023	R1	CY8C27643-24PVXI	150/-65	0	500	20	0
SP483EBCAL	JT	AR1128022	R1	CY8C27643-24PVXI	150/-65	0	500	20	0
SP483EBCAL	JT	AR1128023	R1	CY8C29666-24PVXIT	150/-65	0	100	20	0
SP483EBCAL	JT	AR1128023	R1	CY8C29666-24PVXIT	150/-65	0	300	20	0
SP483EBCAL	JT	AR1128023	R1	CY8C29666-24PVXIT	150/-65	0	500	18	0
SP483EBCAL	JT	AR1128024	R1	CY8C29666-24PVXIT	150/-65	0	100	16	0
SP483EBCAL	JT	AR1128024	R1	CY8C29666-24PVXIT	150/-65	0	300	16	0
SP483EBCAL	JT	AR1128024	R1	CY8C29666-24PVXIT	150/-65	0	500	16	0
SP483EBCAL	JT	AR1131037	R1	CY8C27643-24PVXI	150/-65	0	500	20	0
SP483EBCAL	JT	AR1132023	R1	CY8C29666-24PVXI	150/-65	0	500	20	0
SP483EBCAL	JT	AR1133020	R1	CY8C29666-24PVXIT	150/-65	0	100	20	0
SP483EBCAL	JT	AR1133020	R1	CY8C29666-24PVXIT	150/-65	0	300	18	0
SP483EBCAL	JT	AR1133020	R1	CY8C29666-24PVXIT	150/-65	0	500	18	0
SP483EBCAL	JT	AR1134049	R1	CY8C27643-24PVXI	150/-65	0	500	20	0



SP483EBCAL	JT	AR1134050	R1	CY8C27643-24PVXIT	150/-65	0	500	20	0
SP483EBCAL	JT	AR1134050	R1	CY8C27643-24PVXIT	150/-65	0	1000	20	0
SP483EBCAL	JT	AR1134051	R1	CY8C29666-24PVXI	150/-65	0	100	19	0
SP483EBCAL	JT	AR1134051	R1	CY8C29666-24PVXI	150/-65	0	300	19	0
SP483EBCAL	JT	AR1136058	R1	CY8C29666-24PVXI	150/-65	0	100	20	0
SP483EBCAL	JT	AR1136058	R1	CY8C29666-24PVXI	150/-65	0	300	20	0
SP483EBCAL	JT	AR1136059	R1	CY8C29666-24PVXIT	150/-65	0	100	19	0
SP483EBCAL	JT	AR1136059	R1	CY8C29666-24PVXIT	150/-65	0	300	19	0
SP483EBCAL	JT	AR1136060	R1	CY8C29666-24PVXI	150/-65	0	100	19	0
SP483EBCAL	JT	AR1136060	R1	CY8C29666-24PVXI	150/-65	0	300	19	0
SP483EBCAL	JT	AR1136061	R1	CY8C29666-24PVXIT	150/-65	0	100	16	0
SP483EBCAL	JT	AR1136061	R1	CY8C29666-24PVXIT	150/-65	0	300	16	0
SP28213GL	T	111402	R1	CY8C29466-24PVXI	150/-65	0	500	80	0
SP28213GL	T	111402	R1	CY8C29466-24PVXI	150/-65	0	1000	80	0
SP28213GL	T	111402	R2	CY8C29466-24PVXI	150/-65	0	500	80	0
SP28213GL	T	111402	R2	CY8C29466-24PVXI	150/-65	0	1000	80	0
SP28213GL	T	111402	R3	CY8C29466-24PVXI	150/-65	0	500	80	0
SP28213GL	T	111402	R3	CY8C29466-24PVXI	150/-65	0	1000	80	0
SP483HAAGR	M	MR104061	R1A	CY14B101L-SP35XI	150/-65	0	1000	30	0
SP483EBBAL	R	MR111004	R1	CY8C29666-24PVXIT	150/-65	0	1000	30	0
SP2023GAL	T	MR111012	R1	CY8C21323-24PVXIT	150/-65	0	1000	30	0
SP483FBKGN	RA	MR112011	R1	CY8C20536A-24PVXIT	150/-65	0	500	30	0
SP483FBKGN	RA	MR112011	R1	CY8C20536A-24PVXIT	150/-65	0	1000	28	0
SP2822BGL	M	RR112001	R1	CY8C21534-12PVXET	150/-65	0	500	20	0
SP2822BGL	M	RR112001	R1	CY8C21534-12PVXET	150/-65	0	1000	20	0
SP2822BGL	M	RR112001	R10	CY8C21534-12PVXET	150/-65	0	500	20	0
SP2822BGL	M	RR112001	R10	CY8C21534-12PVXET	150/-65	0	1000	20	0
SP2822BGL	M	RR112001	R13	CP7407ATT	150/-65	0	500	20	0
SP2822BGL	M	RR112001	R13	CP7407ATT	150/-65	0	1000	20	0
SP2822BGL	M	RR112001	R14	CP7407ATT	150/-65	0	500	20	0



SP2822BGL	M	RR112001	R14	CP7407ATT	150/-65	0	1000	20	0
SP2822BGL	M	RR112001	R15	CP7407ATT	150/-65	0	500	20	0
SP2822BGL	M	RR112001	R2	CY8C21534-12PVXE	150/-65	0	100	20	0
SP2822BGL	M	RR112001	R20	CY8C29466-12PVXET	150/-65	0	500	20	0
SP2822BGL	M	RR112001	R20	CY8C29466-12PVXET	150/-65	0	1000	20	0
SP2822BGL	M	RR112001	R21	CY8C21534-12PVXET	150/-65	0	500	20	0
SP2822BGL	M	RR112001	R21	CY8C21534-12PVXET	150/-65	0	1000	20	0
SP2822BGL	M	RR112001	R22	CY8C21534-12PVXET	150/-65	0	500	20	0
SP2822BGL	M	RR112001	R22	CY8C21534-12PVXET	150/-65	0	1000	20	0
SP2822BGL	M	RR112001	R27	CY8C29466-12PVXE	150/-65	0	500	20	0
SP2822BGL	M	RR112001	R27	CY8C29466-12PVXE	150/-65	0	1000	19	0
SP2822BGL	M	RR112001	R28	CY8C29466-12PVXE	150/-65	0	500	20	0
SP2822BGL	M	RR112001	R28	CY8C29466-12PVXE	150/-65	0	1000	20	0
SP483EBCAL	JT	RR113011	R1	CY8C29666-24PVXI	150/-65	0	100	13	0
SP483EBCAL	JT	RR113011	R10	CY8C29666-24PVXI	150/-65	0	100	100	0
SP483EBCAL	JT	RR113011	R2	CY8C29666-24PVXI	150/-65	0	100	35	0
SP483EBCAL	JT	RR113011	R3	CY8C29666-24PVXI	150/-65	0	100	50	0
SP483EBCAL	JT	RR113011	R4	CY8C29666-24PVXI	150/-65	0	100	67	0
SP483EBCAL	JT	RR113011	R5	CY8C29666-24PVXIT	150/-65	0	100	11	0
SP483EBCAL	JT	RR113011	R6	CY8C29666-24PVXI	150/-65	0	100	100	0
SP483EBCAL	JT	RR113011	R7	CY8C29666-24PVXI	150/-65	0	100	100	0
SP483EBCAL	JT	RR113011	R8	CY8C29666-24PVXI	150/-65	0	100	100	0
SP483EBCAL	JT	RR113011	R9	CY8C29666-24PVXI	150/-65	0	100	100	0
SP2822BGL	M	AR112019	R1	CP7407AT	150/-65	0	500	19	0
SP2822BGL	M	AR1121043	R1	CP7407ATT	150/-65	0	500	20	0
SP2822BGL	M	AR1121044	R1	CP7407ATT	150/-65	0	500	20	0
SP2814HAL	M	AR1126020	R1	CS6250AM	150/-65	0	500	20	0
SP2814HAL	M	AR1126020	R1	CS6250AM	150/-65	0	1000	20	0
SP483EBCAL	JT	AR1126030	R1	CY8C29666-24PVXIT	150/-65	0	1000	19	0
SP483EBCAL	JT	AR1126031	R1	CY8C29666-24PVXIT	150/-65	0	1000	13	0



SP483EBCAL	JT	AR1126032	R1	CY8C29666-24PVXIT	150/-65	0	1000	20	0
SP483EBCAL	JT	AR1126033	R1	CY8C29666-24PVXIT	150/-65	0	1000	19	0
SP483EBCAL	JT	AR1126034	R1	CY8C29666-24PVXIT	150/-65	0	1000	19	0
SP483EBCAL	JT	AR1126035	R1	CY8C29666-24PVXIT	150/-65	0	1000	13	0
SP483EBCAL	JT	AR1126036	R1	CY8C29666-24PVXIT	150/-65	0	1000	17	0
SP483EBCAL	JT	AR1127022	R1	CY8C29666-24PVXI	150/-65	0	1000	20	0
SP483EBCAL	JT	AR1127023	R1	CY8C27643-24PVXI	150/-65	0	1000	20	0
SP483EBCAL	JT	AR1128022	R1	CY8C27643-24PVXI	150/-65	0	1000	20	0
SP483EBCAL	JT	AR1128023	R1	CY8C29666-24PVXIT	150/-65	0	1000	18	0
SP483EBCAL	JT	AR1128024	R1	CY8C29666-24PVXIT	150/-65	0	1000	16	0
SP483EBCAL	JT	AR1131037	R1	CY8C27643-24PVXI	150/-65	0	1000	20	0
SP483EBCAL	JT	AR1132023	R1	CY8C29666-24PVXI	150/-65	0	1000	20	0
SP483EBCAL	JT	AR1133020	R1	CY8C29666-24PVXIT	150/-65	0	1000	18	0
SP483EBCAL	JT	AR1134047	R1	CY8C27643-24PVXIT	150/-65	0	500	20	0
SP483EBCAL	JT	AR1134047	R1	CY8C27643-24PVXIT	150/-65	0	1000	20	0
SP483EBCAL	JT	AR1134049	R1	CY8C27643-24PVXI	150/-65	0	1000	20	0
SP483EBCAL	JT	AR1134051	R1	CY8C29666-24PVXI	150/-65	0	500	19	0
SP483EBCAL	JT	AR1134051	R1	CY8C29666-24PVXI	150/-65	0	1000	19	0
SP483EBCAL	JT	AR1134053	R1	CY8C27643-24PVXIT	150/-65	0	500	20	0
SP483EBCAL	JT	AR1134053	R1	CY8C27643-24PVXIT	150/-65	0	1000	20	0
SP483EBCAL	JT	AR1134054	R1	CY8C27643-24PVXI	150/-65	0	500	20	0
SP483EBCAL	JT	AR1134054	R1	CY8C27643-24PVXI	150/-65	0	1000	20	0
SP483EBCAL	JT	AR1134055	R1	CY8C27643-24PVXIT	150/-65	0	500	20	0
SP483EBCAL	JT	AR1134055	R1	CY8C27643-24PVXIT	150/-65	0	1000	20	0
SP483EBCAL	JT	AR1135044	R1	CY8C29666-24PVXIT	150/-65	0	500	19	0
SP483EBCAL	JT	AR1135044	R1	CY8C29666-24PVXIT	150/-65	0	1000	19	0
SP483EBCAL	JT	AR1135046	R1	CY8C29666-24PVXI	150/-65	0	500	15	0
SP483EBCAL	JT	AR1135046	R1	CY8C29666-24PVXI	150/-65	0	1000	15	0
SP483EBCAL	JT	AR1136058	R1	CY8C29666-24PVXI	150/-65	0	500	20	0
SP483EBCAL	JT	AR1136058	R1	CY8C29666-24PVXI	150/-65	0	1000	20	0



SP483EBCAL	JT	AR1136059	R1	CY8C29666-24PVXIT	150/-65	0	500	19	0
SP483EBCAL	JT	AR1136059	R1	CY8C29666-24PVXIT	150/-65	0	1000	19	0
SP483EBCAL	JT	AR1136060	R1	CY8C29666-24PVXI	150/-65	0	500	19	0
SP483EBCAL	JT	AR1136060	R1	CY8C29666-24PVXI	150/-65	0	1000	19	0
SP483EBCAL	JT	AR1136061	R1	CY8C29666-24PVXIT	150/-65	0	500	16	0
SP483EBCAL	JT	AR1136061	R1	CY8C29666-24PVXIT	150/-65	0	1000	16	0
SP483EBCAL	JT	AR1137024	R1	CY8C29666-24PVXIT	150/-65	0	100	20	0
SP483EBCAL	JT	AR1137024	R1	CY8C29666-24PVXIT	150/-65	0	300	20	0
SP483EBCAL	JT	AR1137024	R1	CY8C29666-24PVXIT	150/-65	0	500	20	0
SP483EBCAL	JT	AR1137024	R1	CY8C29666-24PVXIT	150/-65	0	1000	20	0
SP483EBCAL	JT	AR1137025	R1	CY8C29666-24PVXI	150/-65	0	100	18	0
SP483EBCAL	JT	AR1137025	R1	CY8C29666-24PVXI	150/-65	0	300	18	0
SP483EBCAL	JT	AR1137025	R1	CY8C29666-24PVXI	150/-65	0	500	18	0
SP483EBCAL	JT	AR1137025	R1	CY8C29666-24PVXI	150/-65	0	1000	18	0
SP483EBCAL	JT	AR1137026	R1	CY8C29666-24PVXI	150/-65	0	100	20	0
SP483EBCAL	JT	AR1137026	R1	CY8C29666-24PVXI	150/-65	0	300	20	0
SP483EBCAL	JT	AR1137026	R1	CY8C29666-24PVXI	150/-65	0	500	20	0
SP483EBCAL	JT	AR1137026	R1	CY8C29666-24PVXI	150/-65	0	1000	20	0
SP282ABBGN	RA	MR111008	R1	CY8C21534-24PVXIT	150/-65	0	1000	29	0
SP2822BGL	M	MR111057	R1	CY8C21534-24PVXAT	150/-65	0	500	30	0
SP2822BGL	M	MR111057	R1	CY8C21534-24PVXAT	150/-65	0	1000	29	0
SP28214GL	T	MR113052	R1	CY8C21534-24PVXI	150/-65	0	500	30	0
SP28214GL	T	MR113052	R1	CY8C21534-24PVXI	150/-65	0	1000	30	0
SP202AACGN	RA	AR1105013	R1	CY8C21334-24PVXI	150/-65	0	500	16	0
SP2822BGL	M	AR1112019	R1	CP7407AT	150/-65	0	1000	19	0
SP2822BGL	M	AR1121043	R1	CP7407ATT	150/-65	0	1000	20	0
SP2822BGL	M	AR1121044	R1	CP7407ATT	150/-65	0	1000	20	0
SP2822BGL	M	AR1126021	R1	CY8C21534-12PVXET	150/-65	0	500	20	0
SP2822BGL	M	AR1126021	R1	CY8C21534-12PVXET	150/-65	0	1000	20	0
SP483HAAGR	M	MR104061	R1A	CY14B101L-SP35XI	150/-65	0	1000	30	0



SP483FBBGN	RA	MR111010	R1	CY7C63413C-PVXCT	150/-65	0	500	30	0
SP483FBBGN	RA	MR111010	R1	CY7C63413C-PVXCT	150/-65	0	1000	30	0
SP2822BGL	M	MR112009	R1	CY8C21534-24PVXAT	150/-65	0	500	29	0
SP2822BGL	M	MR112009	R1	CY8C21534-24PVXAT	150/-65	0	1000	29	0
SP282ABBGN	RA	MR112024	R1	CY8C24533-24PVXI	150/-65	0	500	30	0
SP282ABBGN	RA	MR112024	R1	CY8C24533-24PVXI	150/-65	0	1000	30	0
SP483JBALL	R	MR112029	R1	CY14B101LA-SP25XI	150/-65	0	500	30	0
SP483JBALL	R	MR112029	R1	CY14B101LA-SP25XI	150/-65	0	1000	30	0
SP483ACGAN	R	MR113013	R1	CY8C20536A-24PVXIT	150/-65	0	1000	29	0
SP483ACGAN	R	MR113013	R1	CY8C20536A-24PVXIT	150/-65	0	500	29	0
SP282ABBGN	RA	MR113014	R1	CY8C21534-24PVXI	150/-65	0	500	30	0
SP282ABBGN	RA	MR113014	R1	CY8C21534-24PVXI	150/-65	0	1000	30	0
SP2822BGL	M	MR113037	R1	CY8C21534-24PVXA	150/-65	0	500	30	0
SP2822BGL	M	MR113037	R1	CY8C21534-24PVXA	150/-65	0	1000	30	0
SP2822BGL	M	MR114003	R1	CP7407ATT	150/-65	0	500	30	0
SP2822BGL	M	MR114003	R1	CP7407ATT	150/-65	0	1000	30	0
SP282ABBGN	RA	MR114023	R1	CY8C24533-24PVXI	150/-65	0	500	30	0
SP282ABBGN	RA	MR114023	R1	CY8C24533-24PVXI	150/-65	0	1000	30	0
SP483EBCAL	JT	NR113007	R1	CY8C27643-24PVXI	150/-65	0	500	25	0
SP483EBCAL	JT	NR113007	R1	CY8C27643-24PVXI	150/-65	0	1000	25	0
SP563DBCNG	JT	NR113007	R2	CY7C68013A-56PVXC	150/-65	0	1000	23	0
SP563DBCNG	JT	NR113007	R3	CY7C68013A-56PVXC	150/-65	0	500	25	0
SP563DBCNG	JT	NR113007	R3	CY7C68013A-56PVXC	150/-65	0	1000	25	0
Summary for Package Family: SSOP (Pb-Free)			217	records					
Sum								6227	0
TQFP									
A64IBAABL	JT	110901	R1	CY7C144-25AC	150/-65	0	1000	80	0
Summary for Package Family: TQFP			1	records					
Sum								80	0



TQFP (Pb-Free)

AZ44SFHAN	JT	110901	R2	CY37032VP44-100AXC	150/-65	0	1000	80	0
AZ100SFHAL	JT	110905	R1B	CY8C5588AXI-060ES1	150/-65	0	500	77	0
AZ100SFHAL	JT	110905	R1B	CY8C5588AXI-060ES1	150/-65	0	1000	74	0
AZ100SFLAL	R	110905	R3	CY8C5588AXI-060ES1	150/-65	0	500	78	0
AZ100SFLAL	R	110905	R3	CY8C5588AXI-060ES1	150/-65	0	1000	78	0
AZ100SFLAL	R	110905	R4	CY8C5568AXI-060	150/-65	0	500	77	0
AZ100SFLAL	R	110905	R4	CY8C5568AXI-060	150/-65	0	1000	76	0
AZ100RVLN	JT	111803	R1	CY7C68320C-100AXA	150/-65	0	500	85	0
AZ100RVLN	JT	111803	R1	CY7C68320C-100AXA	150/-65	0	1000	80	0
AZ100RVLN	JT	111803	R2	CY7C68320C-100AXA	150/-65	0	500	80	0
AZ100RVLN	JT	111803	R2	CY7C68320C-100AXA	150/-65	0	1000	79	0
AZ100RVLN	JT	111803	R3	CY7C68320C-100AXA	150/-65	0	500	80	0
AZ100RVLN	JT	111803	R3	CY7C68320C-100AXA	150/-65	0	1000	80	0
AZ100SFHAL	JT	111817	R1	CY8C5588AXI-060ES1	150/-65	0	500	77	0
AZ100SFHAL	JT	111817	R1	CY8C5588AXI-060ES1	150/-65	0	1000	74	0
AZ100SFHAL	JT	111817	R2	CY8C5588AXI-060ES1	150/-65	0	500	92	0
AZ100SFHAL	JT	111817	R2	CY8C5588AXI-060ES1	150/-65	0	1000	92	0
AZ100SFHAL	JT	111817	R3	CY8C5588AXI-060ES1	150/-65	0	500	92	0
AZ100SFHAL	JT	111817	R3	CY8C5588AXI-060ES1	150/-65	0	1000	92	0
AZ100RJBLN	RA	112602	R1	CY7C1350G-200AXI	150/-65	0	500	77	0
AZ100RJBLN	RA	112602	R1	CY7C1350G-200AXI	150/-65	0	1000	77	0
AZ100RJBLN	RA	112602	R2	CY7C1350G-200AXI	150/-65	0	500	74	0
AZ100RJBLN	RA	112602	R2	CY7C1350G-200AXI	150/-65	0	1000	74	0
AZ100RJBLN	RA	112602	R3	CY7C1350G-200AXI	150/-65	0	500	74	0
AZ100RJBLN	RA	112602	R3	CY7C1350G-200AXI	150/-65	0	1000	74	0



AZ100RJBLN	RA	112602	R4	CY7C1350G-200AXI	150/-65	0	500	77	0
AZ100RJBLN	RA	112602	R4	CY7C1350G-200AXI	150/-65	0	1000	77	0
AZ100RJBLN	RA	112602	R5	CY7C1350G-200AXI	150/-65	0	500	73	0
AZ100RJBLN	RA	112602	R5	CY7C1350G-200AXI	150/-65	0	1000	73	0
AZ100RJBLN	RA	112602	R6	CY7C1350G-200AXI	150/-65	0	500	74	0
AZ100RJBLN	RA	112602	R6	CY7C1350G-200AXI	150/-65	0	1000	74	0
AZ32LXGAN	Q	MR111025	R1	CY29946AXI	150/-65	0	1000	30	0
AZ32GXGAN	G	MR111026	R1	CY29940AXC	150/-65	0	1000	30	0
AZ160SBGAL	G	MR112037	R1	CY37256P160-83AXC	150/-65	0	500	30	0
AZ160SBGAL	G	MR112037	R1	CY37256P160-83AXC	150/-65	0	1000	30	0
AZ32BXGAN	Q	MR112077	R1	CY7C4201V-15AXC	150/-65	0	500	29	0
AZ32BXGAN	Q	MR112077	R1	CY7C4201V-15AXC	150/-65	0	1000	28	0
AZ44SGBGAN	R	MR111005	R1	CY8C29566-24AXI	150/-65	0	1000	30	0
AZ44DGAGL	Q	MR112058	R1	CY7B995AXIT	150/-65	0	500	28	0
AZ44DGAGL	Q	MR112058	R1	CY7B995AXIT	150/-65	0	1000	28	0
AZ32GXGAN	G	MR113046	R1	CY29940AXIT	150/-65	0	500	30	0
AZ100SFGAL	JT	RR114011	R1	CS7510AM	150/-65	0	500	78	0
AZ100SFKAL	RA	112302	R1	CY8C5568AXI-060	150/-65	0	500	77	0
AZ100SFKAL	RA	112302	R2	CY8C5568AXI-060	150/-65	0	500	77	0
AZ100SFKAL	RA	112302	R2	CY8C5568AXI-060	150/-65	0	1000	75	0
AZ100SFKAL	R	112302	R3	CY8C5568AXI-060	150/-65	0	500	77	0
AZ100SFKAL	R	112302	R3	CY8C5568AXI-060	150/-65	0	1000	48	0
AZ100SFKAL	RA	112302	R4	CY8C5568AXI-060	150/-65	0	500	77	0
AZ100SFKAL	RA	112302	R4	CY8C5568AXI-060	150/-65	0	1000	48	0
AZ100SFKAL	RA	112302	R5	CY8C5568AXI-060	150/-65	0	500	77	0
AZ100SFKAL	RA	112302	R6	CY8C5568AXI-060	150/-65	0	500	76	0



AZ100RRDLL	JT	110909	R1	7C14702BC	150/-65	0	1000	72	0
AZ100RYCLN	JT	110909	R2	7C13540XC	150/-65	0	1000	79	0
AZ100RUCLN	JT	110909	R3	CY7C68013A-100AXC	150/-65	0	1000	80	0
AZ64JAAALL	M	113604	R1	CY7C144E-55JXC	150/-65	0	500	80	0
AZ64JAAALL	M	113604	R1	CY7C144E-55JXC	150/-65	0	1000	80	0
AZ64JAAALL	M	113604	R4	CY7C144E-55JXC	150/-65	0	500	79	0
AZ64JAAALL	M	113604	R4	CY7C144E-55JXC	150/-65	0	1000	79	0
AZ100SFHAL	JT	114110	R1B	CY8C5568AXI-060	150/-65	0	500	80	0
AZ100RUBLN	R	MR111022	R1	CY7C1350G-200AXC	150/-65	0	1000	30	0
AZ100SFDAL	R	MR112003	R1	CY8C3245AXI-158	150/-65	0	500	19	0
AZ100SFDAL	R	MR112003	R1	CY8C3245AXI-158	150/-65	0	1000	18	0
AZ100RUBLN	R	MR112043	R1	CY7C1350G-200AXC	150/-65	0	500	30	0
AZ100RUBLN	R	MR112043	R1	CY7C1350G-200AXC	150/-65	0	1000	30	0
AZ32GXGAN	G	MR112054	R1	CY29940AXCT	150/-65	0	500	30	0
AZ32GXGAN	G	MR112054	R1	CY29940AXCT	150/-65	0	1000	30	0
AZ100RUBLN	R	MR113022	R1	CY7C1350G-200AXC	150/-65	0	500	30	0
AZ100RUBLN	R	MR113022	R1	CY7C1350G-200AXC	150/-65	0	1000	30	0
AZ32GXGAN	G	MR113046	R1	CY29940AXIT	150/-65	0	1000	30	0
AZ52AAGAL	Q	MR113051	R1	CY29972AXI	150/-65	0	500	30	0
AZ32GXGAN	G	MR114034	R1	CY29942AXCT	150/-65	0	500	30	0
AZ100RBCLN	JT	MR114041	R1	CY7C1370D-167AXI	150/-65	0	500	30	0
AZ100RBCLN	JT	MR114041	R1	CY7C1370D-167AXI	150/-65	0	1000	30	0
AZ100RJBLN	RA	MR114059	R1	CY7C68014A-100AXC	150/-65	0	1000	27	0
AZ144AAAGR	Q	MR114081	R1	CY7C057V-15AXI	150/-65	0	500	29	0
AZ100RYCLN	JT	MR121021	R1	CY7C1360C-166AXI	150/-65	0	500	30	0
AZ100KGAN	G	MR121040	R1	CY7C024AV-25AXCT	150/-65	0	500	30	0



AZ100RJBLN	R	MR121042	R1	CY7C1350G-200AXCT	150/-65	0	500	30	0
AZ44SFHAN	JT	NR113005	R1	CY37032VP44-100AXCKJ	150/-65	0	500	25	0
AZ44SFHAN	JT	NR113005	R1	CY37032VP44-100AXCKJ	150/-65	0	1000	25	0
AZ64IBABLN	JT	NR113005	R2	CY7C4265-10AXIKJ	150/-65	0	500	25	0
AZ64IBABLN	JT	NR113005	R2	CY7C4265-10AXIKJ	150/-65	0	1000	25	0
AZ100RUCLN	JT	NR113006	R1	CY7C68013A-100AXCKJ	150/-65	0	500	25	0
AZ100RUCLN	JT	NR113006	R2	CY7C68013A-100AXIKJ	150/-65	0	500	25	0
AZ100RUCLN	JT	NR113006	R2	CY7C68013A-100AXIKJ	150/-65	0	1000	25	0
AZ100RUCLN	JT	NR113006	R1	CY7C68013A-100AXCKJ	150/-65	0	1000	25	0
AZ100SFEAL	JT	NR113006	R3	CY7C026AV-25AXIKJ	150/-65	0	500	25	0
AZ100SFEAL	JT	NR113006	R3	CY7C026AV-25AXIKJ	150/-65	0	1000	25	0
AZ100SFGAL	JT	RR114011	R1	CS7510AM	150/-65	0	1000	78	0

Summary for Package Family: TQFP (Pb-Free)

89 records

Sum

4944 0

TSOP (Pb-free)

ZT32RABALL	T	MR111049	R1	CY62138FV30LL-45ZXI	150/-65	0	1000	30	0
ZT32RABALL	T	MR112026	R1	CY62128BNLL-55ZXIT	150/-65	0	1000	30	0
ZT32RABALL	T	MR112026	R1	CY62128BNLL-55ZXIT	150/-65	0	500	30	0
ZT32RABALL	T	MR113036	R1	CY62128EV30LL-45ZXI	150/-65	0	500	30	0
ZT32RABALL	T	MR113036	R1	CY62128EV30LL-45ZXI	150/-65	0	1000	30	0
ZT28R2BCLN	JT	MR114004	R1	CY62256VNLL-70ZXI	150/-65	0	500	30	0
ZT28R2BCLN	JT	MR114004	R1	CY62256VNLL-70ZXI	150/-65	0	1000	30	0
ZT32RBBALL	T	MR114065	R1	CY62128ELL-45ZXA	150/-65	0	500	30	0
ZT32RBBALL	T	MR121034	R1	CY62128ELL-45ZXA	150/-65	0	500	30	0
ZT28R4BAGL	JT	NR113004	R2	CY7C1399BN-12ZXC	150/-65	0	500	25	0
ZT28R2BCLN	JT	NR113004	R3	CY62256VNLL-70ZXC	150/-65	0	500	25	0



ZT28R2BCLN	JT	NR113004	R3	CY62256VNLL-70ZXC	150/-65	0	1000	25	0
ZT28R4BAGL	JT	NR113004	R2	CY7C1399BN-12ZXC	150/-65	0	1000	25	0

Summary for Package Family: TSOP (Pb-free)

13 records

Sum 370 0

TSOP I (Pb-Free)

ZB32RKALL	T	MR111069	R1	CY62128EV30LL-45ZAXI	150/-65	0	1000	30	0
ZB32RKALL	T	MR112006	R1	CY62128EV30LL-45ZAXI	150/-65	0	500	30	0
ZB32RKALL	T	MR112006	R1	CY62128EV30LL-45ZAXI	150/-65	0	1000	30	0
ZB32RKALL	T	MR113003	R1	CY62128EV30LL-45ZAXI	150/-65	0	500	30	0
ZB32RKALL	T	MR113003	R1	CY62128EV30LL-45ZAXI	150/-65	0	1000	30	0
ZB32RHCALN	JT	MR114008	R1	CY62138FV30LL-45ZAXI	150/-65	0	500	30	0
ZB32RHCALN	JT	MR114008	R1	CY62138FV30LL-45ZAXI	150/-65	0	1000	30	0
ZB32RKALL	T	MR114011	R1	CY62128EV30LL-45ZAXI	150/-65	0	500	30	0
ZB32RKALL	T	MR114011	R1	CY62128EV30LL-45ZAXI	150/-65	0	1000	30	0
ZB32RHCALN	JT	NR113004	R1	CY62138FV30LL-45ZAXI	150/-65	0	500	25	0
ZB32RHCALN	JT	NR113004	R1	CY62138FV30LL-45ZAXI	150/-65	0	1000	25	0

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

11 records

Sum 320 0

TSOP II (Pb-Free)

ZW444AKCLN	R	104907	R1	CY7C1041CV33	150/-65	0	1000	85	0
ZW444AKCLN	R	104907	R2	CY7C1041CV33	150/-65	0	1000	88	0
ZW444AKCLN	R	104907	R3	CY7C1041CV33	150/-65	0	1000	82	0
ZW444PAALL	RA	110703	R1	CY14B101KA	150/-65	0	1000	80	0
ZW444PAALL	RA	110703	R3	CY14B101KA	150/-65	0	100	80	0
ZW444AKDLN	JT	111410	R1	7A134101FC	150/-65	0	500	85	0
ZW444AKDLN	JT	111410	R1	7A134101FC	150/-65	0	1000	80	0



ZW444AHILL	JT	111410	R2	7A62126FC	150/-65	0	500	85	0
ZW444AHILL	JT	111410	R2	7A62126FC	150/-65	0	1000	85	0
ZW444AHILL	JT	111410	R3	7A62126FC	150/-65	0	1000	85	0
ZW444AHILL	JT	111410	R3	7A62126FC	150/-65	0	500	85	0
ZW444VCLL	R	111810	R1	CY62136FV30LL	150/-65	0	500	100	0
ZW444VCLL	R	111810	R1	CY62136FV30LL	150/-65	0	1000	90	0
ZW444VCLL	R	111810	R2	7A62136GC	150/-65	0	500	100	0
ZW444VCLL	R	111810	R2	7A62136GC	150/-65	0	1000	90	0
ZW444VCLL	R	111810	R3	CY62136FV30LL	150/-65	0	1000	90	0
ZW444VCLL	R	111810	R3	CY62136FV30LL	150/-65	0	500	100	0
ZW54BGALL	G	MR112042	R1	CY7C1061DV33-10ZSXI	150/-65	0	500	30	0
ZW54BGALL	G	MR112042	R1	CY7C1061DV33-10ZSXI	150/-65	0	1000	30	0
ZW54BGALL	G	MR113032	R1	CY7C1061DV33-10ZSXIT	150/-65	0	500	30	0
ZW54BGALL	G	MR113032	R1	CY7C1061DV33-10ZSXIT	150/-65	0	1000	30	0
ZW44AAAAGL	RA	MR112046	R1	CY62147EV30LL-45ZSXIT	150/-65	0	500	30	0
ZW44AAAAGL	RA	MR112046	R1	CY62147EV30LL-45ZSXIT	150/-65	0	1000	30	0
ZW444VCLL	R	AR1122002	R1	CY62137FV30LL-55ZSXE	150/-65	0	500	20	0
ZW444VCLL	R	AR1122002	R1	CY62137FV30LL-55ZSXE	150/-65	0	1000	20	0
ZW444VCLL	R	AR1124002	R1	CY62137FV30LL-55ZSXE	150/-65	0	500	20	0
ZW444VCLL	R	AR1124002	R1	CY62137FV30LL-55ZSXE	150/-65	0	1000	20	0
ZW444AMLN	R	AR1126002	R1	CY62146ELL-45ZSXA	150/-65	0	500	20	0
ZW444YBLL	R	MR113006	R1	CY7C1041BN-15ZXIT	150/-65	0	500	30	0
ZW444YBLL	R	MR113006	R1	CY7C1041BN-15ZXIT	150/-65	0	1000	30	0
ZW444ALLR	G	MR113047	R1	CY7C1051DV33-10ZSXI	150/-65	0	1000	30	0
ZW444ALLR	G	MR113047	R1	CY7C1051DV33-10ZSXI	150/-65	0	500	30	0
ZW444WBCLN	R	104606	R2	CYRS1049DV33	150/-65	0	500	77	0



ZW444WBCLN	R	104606	R2	CYRS1049DV33	150/-65	0	1000	77	0
ZW444AAGLL	T	113210	R1	CY7C1011DV33-10ZSXI	150/-65	0	500	80	0
ZW444AAGLL	T	113210	R2	CY7C1041DV33-10ZSXIT	150/-65	0	500	80	0
ZW444AIGLL	R	113201	R11	7A1221NC	150/-65	0	500	100	0
ZW444AIGLL	R	113201	R12	7A1221NC-	150/-65	0	500	100	0
ZW444AKDLN	JT	111409	R1	NA	150/-65	0	500	100	0
ZW444AKDLN	JT	111409	R1	NA	150/-65	0	1000	89	0
ZW444AHILL	JT	111409	R2	7A62126FC-	150/-65	0	570	100	0
ZW444AHILL	JT	111409	R2	7A62126FC-	150/-65	0	1000	90	0
ZW444AHILL	JT	111409	R3	7A62126FC	150/-65	0	1000	90	0
ZW444AHILL	JT	111409	R3	7A62126FC	150/-65	0	500	100	0
ZW444AKDLN	JT	111409	R4	NA	150/-65	0	500	100	0
ZW444AKDLN	JT	111409	R4	NA	150/-65	0	1000	90	0
ZW54BGALL	G	MR111024	R1	CG7116AM	150/-65	0	1000	30	0
ZW324GALL	T	MR112015	R1	CY7C1019DV33-10ZSXIT	150/-65	0	500	30	0
ZW324GALL	T	MR112015	R1	CY7C1019DV33-10ZSXIT	150/-65	0	1000	30	0
ZW444AMLN	R	MR112016	R1	CY62146ELL-45ZSXA	150/-65	0	500	30	0
ZW444AMLN	R	MR112016	R1	CY62146ELL-45ZSXA	150/-65	0	1000	30	0
ZW444WBCLN	R	MR112020	R1	CY7C1041DV33-10ZSXI	150/-65	0	1000	30	0
ZW444WBCLN	R	MR112020	R1	CY7C1041DV33-10ZSXI	150/-65	0	500	30	0
ZW324CBLL	T	MR113004	R1	CY62148ELL-45ZSXIT	150/-65	0	500	30	0
ZW324CBLL	T	MR113004	R1	CY62148ELL-45ZSXIT	150/-65	0	1000	30	0
ZW444AXAGL	RA	MR113031	R1	CY7C1020DV33-10ZSXI	150/-65	0	500	30	0
ZW444AXAGL	RA	MR113031	R1	CY7C1020DV33-10ZSXI	150/-65	0	1000	30	0
ZW444AAGLL	T	MR113043	R1	CY71041DV33-10ZSXI	150/-65	0	500	30	0
ZW444AAGLL	T	MR113043	R1	CY71041DV33-10ZSXI	150/-65	0	1000	30	0



ZW444AHLL	R	MR114007	R1	CY62126EV30LL-55ZSXE	150/-65	0	500	30	0
ZW444ABXAGL	RA	MR114027	R1	CY62137EV30LL-45ZSXI	150/-65	0	500	30	0
ZW444ALLR	G	MR114043	R1	CY7C1051DV33-10ZSXI	150/-65	0	500	30	0
Summary for Package Family: TSOP II (Pb-Free)			62	records					
Sum								3643	0
RTSOP (Pb-free)									
ZY28R2CLN	JT	MR114009	R1	CY62256VNLL-70ZRXT	150/-65	0	500	30	
ZY28R2CLN	JT	MR114009	R1	CY62256VNLL-70ZRXT	150/-65	0	1000	30	
Summary for Package Family: RTSOP (Pb-free)			2	records					
Sum								60	0
TSSOP (Pb-Free)									
ZZ1620GBAN	RA	MR111029	R1	CY22393FXCT	150/-65	0	1000	30	0
ZZ2014BGN	T	MR111031	R1	CY25404ZXI-003T	150/-65	0	1000	30	0
ZZ2014BGN	T	MR112047	R1	CY25404ZXI-003T	150/-65	0	500	30	0
ZZ2014BGN	T	MR112047	R1	CY25404ZXI-003T	150/-65	0	1000	30	0
ZZ1614HAN	T	RR112027	R1	CY25823ZXCT	150/-65	0	100	379	0
ZZ1614HAN	T	RR112027	R2	CY25823ZXC	150/-65	0	100	26	0
ZZ1620GDAN	RA	MR113010	R1	CY24293ZXI	150/-65	0	1000	24	0
ZZ1620GDAN	RA	MR113010	R1	CY24293ZXI	150/-65	0	500	30	0
ZZ2014BGN	T	MR113053	R1	CY25404ZXI-003T	150/-65	0	500	30	0
ZZ2014BGN	T	MR113053	R1	CY25404ZXI-003T	150/-65	0	1000	30	0
ZZ1614HAN	T	111405	R1	CY23FS04ZXC	150/-65	0	1000	80	0
ZZ1614HAN	T	111405	R1	CY23FS04ZXC	150/-65	0	500	80	0
ZZ1614HAN	T	111405	R2	CY23FS04ZXC	150/-65	0	1000	80	0
ZZ1614HAN	T	111405	R3	CY23FS04ZXC	150/-65	0	1000	80	0
ZZ1614HAN	T	111405	R3	CY23FS04ZXC	150/-65	0	500	80	0



ZZ2014BGN	T	111408	R1	CYISM530AZXC	150/-65	0	1000	80	0
ZZ2014BGN	T	111408	R1	CYISM530AZXC	150/-65	0	500	80	0
ZZ2014BGN	T	111408	R2	CYISM530AZXC	150/-65	0	500	80	0
ZZ2014BGN	T	111408	R2	CYISM530AZXC	150/-65	0	1000	80	0
ZZ2014BGN	T	111408	R3	CYISM530AZXC	150/-65	0	1000	80	0
ZZ2014BGN	T	111408	R3	CYISM530AZXC	150/-65	0	500	80	0
ZZ1620GBAN	RA	MR112028	R1	CY22393FXCT	150/-65	0	500	30	0
ZZ1613HAN	T	MR113015	R1	CY2308ZXC-1H	150/-65	0	500	30	0
ZZ1613HAN	T	MR113015	R1	CY2308ZXC-1H	150/-65	0	1000	29	0
ZZ1614HAN	T	MR114022	R1	CY22388ZXC-25T	150/-65	0	500	30	0
ZZ1614HAN	T	MR114022	R1	CY22388ZXC-25T	150/-65	0	1000	30	0
ZZ1620GBAN	RA	MR114026	R1	CY22388ZXC-26T	150/-65	0	500	30	0
ZZ1620GBAN	RA	MR114026	R1	CY22388ZXC-26T	150/-65	0	1000	30	0
ZZ1614HAN	T	MR121001	R1	CY25823ZXC	150/-65	0	1000	29	0
ZZ1614HAN	T	MR121001	R1	CY25823ZXC	150/-65	0	500	29	0
ZZ1620GBAN	RA	MR121002	R1	CY22388ZXC-27T	150/-65	0	500	30	0
ZZ1620GBAN	RA	MR121002	R1	CY22388ZXC-27T	150/-65	0	1000	30	0

Summary for Package Family: TSSOP (Pb-Free)

32 records

Sum

1846 0

VFBGA (0.75-0.8, 0.3mm)

BV48ZEAAL	RA	MR112004	R1	CY62157EV30LL-45BVI	150/-65	0	500	30	0
BV48ZEAAL	RA	MR112004	R1	CY62157EV30LL-45BVI	150/-65	0	1000	30	0
BV48BNALE	G	MR112040	R1	CY62167DV30LL-70BVI	150/-65	0	500	30	0
BV48BNALE	G	MR112040	R1	CY62167DV30LL-70BVI	150/-65	0	1000	30	0
BV48ATALE	RA	MR113030	R1	CY62157DV30LL-55BVIT	150/-65	0	1000	27	0
BV48BNALE	G	MR113066	R1	CY62167DV30LL-70BVI	150/-65	0	500	30	0



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

6

records

Sum

177

0

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

BZ48ZBAALL	RA	091206	R3	CY621675EV30LL-45BVXI	150/-65	0	1000	77	0
BZ48CJALL	RA	104406	R1	CY62167DV30LL-55BVXI	150/-65	0	1000	79	0
BZ48CJALL	RA	104406	R2	CY62167DV30LL-55BVXI	150/-65	0	1000	80	0
BZ48CJALL	RA	104406	R3	CY62167DV30LL-55BVXI	150/-65	0	1000	80	0
BZ48ZBAALL	RA	111605	R1	CY621675EV30LL-45BVXI	150/-65	0	500	80	0
BZ48ZBAALL	RA	111605	R1	CY621675EV30LL-45BVXI	150/-65	0	1000	79	0
BZ48ZBAALL	RA	111701	R3B	CY621675EV30LL-45BVXI	150/-65	0	1000	79	0
BZ48ZBAALL	RA	111701	R3B	CY621675EV30LL-45BVXI	150/-65	0	500	79	0
BZ48CQAALL	G	MR111065	R1	CY62136FV30LL-45BVXI	150/-65	0	500	30	0
BZ48CQAALL	G	MR111065	R1	CY62136FV30LL-45BVXI	150/-65	0	1000	30	0
BZ48ABBBLL	AT	MR111070	RI	CY62127DV30LL-55BVXIT	150/-65	0	500	30	0
BZ48ABBBLL	AT	MR111070	RI	CY62127DV30LL-55BVXIT	150/-65	0	1000	30	0
BZ100HAALL	RA	MR112001	R1	CYWB0224ABS-BVXI	150/-65	0	500	30	0
BZ100HAALL	RA	MR112001	R1	CYWB0224ABS-BVXI	150/-65	0	1000	29	0
BZ48CMAALL	G	MR112039	R1	CY7C1021DV33-10BVXI	150/-65	0	1000	29	0
BZ48CMAALL	G	MR112039	R1	CY7C1021DV33-10BVXI	150/-65	0	500	29	0
BZ48ABCALL	AT	MR112064	R1	CY62126EV30LL-45BVXIT	150/-65	0	1000	30	0
BZ48ABCALL	AT	MR112064	R1	CY62126EV30LL-45BVXIT	150/-65	0	500	30	0
BZ48CFAALL	G	MR113007	R1	CY62157EV30LL-45BVXIT	150/-65	0	500	29	0
BZ48CFAALL	G	MR113007	R1	CY62157EV30LL-45BVXIT	150/-65	0	1000	29	0
BZ100HAALL	RA	MR113008	R1	CYWB0226ABS-BVXI	150/-65	0	1000	17	0
BZ100HAALL	RA	MR113008	R1	CYWB0226ABS-BVXI	150/-65	0	500	30	0
BZ48ZEAALE	RA	MR113089	R1	CY62157EV18LL-55BVXIT	150/-65	0	1000	79	0



BZ48ZEAAL	RA	MR113089	R1	CY62157EV18LL-55BVXIT	150/-65	0	500	79	0
BZ48CRALL	G	MR113088	R1	CY62167EV30LL-45BVXI	150/-65	0	1000	80	0
BZ48CRALL	G	MR113088	R1	CY62167EV30LL-45BVXI	150/-65	0	500	80	0
BZ48CNAALL	G	MR113090	R1	CY62167DV30LL-55BVXI	150/-65	0	500	79	0
BZ48CNAALL	G	MR113090	R1	CY62167DV30LL-55BVXI	150/-65	0	1000	78	0
BZ48CNAALL	G	MR113091	R1	CY62167DV30LL-55BVXI	150/-65	0	1000	80	0
BZ48CNAALL	G	MR113091	R1	CY62167DV30LL-55BVXI	150/-65	0	500	80	0
BZ84AAAAAL	RA	112210	R1	CY8CTMA1036BZI-13ES	150/-65	0	500	80	0
BZ84AAAAAL	RA	112210	R1	CY8CTMA1036BZI-13ES	150/-65	0	1000	80	0
BZ84AAAAAL	RA	112210	R2	CY8CTMA1036BZI-13ES2	150/-65	0	500	80	0
BZ84AAAAAL	RA	112210	R2	CY8CTMA1036BZI-13ES2	150/-65	0	1000	80	0
BZ84AAAAAL	RA	112210	R3	CY8CTMA1036BZI-13ES	150/-65	0	500	80	0
BZ84AAAAAL	RA	112210	R3	CY8CTMA1036BZI-13ES	150/-65	0	1000	80	0
BZ84AAAAAL	RA	112210	R4	CY8CTMA1036BZI-13ES	150/-65	0	500	80	0
BZ48ZEAAL	RA	MR111016	R1	CY62157EV30LL-45BVXIT	150/-65	0	1000	30	0
BZ48ZEAAL	RA	MR112005	R1	CY62157EV30LL-45BVXI	150/-65	0	500	30	0
BZ48ZEAAL	RA	MR112005	R1	CY62157EV30LL-45BVXI	150/-65	0	1000	29	0
BZ48DAGLL	RA	MR113028	R1	CY62137FV30LL-45BVXIT	150/-65	0	500	30	0
BZ48DAGLL	RA	MR113028	R1	CY62137FV30LL-45BVXIT	150/-65	0	1000	29	0
BZ48CEALL	G	MR113057	R1	CY62147EV30LL-45BVXA	150/-65	0	500	30	0
BZ100BABLL	RA	MR121008	R1	CYDMX128A16-65BVXIT	150/-65	0	500	30	0
BZ100BABLL	RA	MR121008	R1	CYDMX128A16-65BVXIT	150/-65	0	1000	30	0
Summary for Package Family: VFBGA (0.75-0.8, 0.3mm, Pb-Free)			45	records					
Sum								2468	0



Rev.	ECN No.	Orig. of Change	Description of Change
**	3666253	JYF	Initial Release

Distribution: WEB

Posting: NONE