



2013 Q4 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 4th quarter of 2013. 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	PPM	Failure Mode
LL65	563,486	0	0	
C9	1,947,075	2	86	Random Fab Defect (See Note 1)
R8	69,777	0	0	None
S8	2,581,922	0	0	None
C8	91,200	1	340	Random Fab Defect (See Note 1)
R9	48,000	0	0	None
R7	622,080	0	0	None
S4	151,742	0	0	None
R42	418,767	0	0	None
R95	53,705	0	0	None
B53	28,800	0	0	None
P26	189,120	0	0	None
Dual Die FRAM* (*130nm TI F-RAM, 180nm IBM CMOS)	219,815	0	0	None
130nm TI F-RAM	266,324	0	0	None
Grand Total	7,251,813	3	22	See above

Note:

1) Random Fab Defect – Will be covered by Fab's continuous defect improvement.



2.2 LONG TERM FAILURE RATE SUMMARY

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

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

Table 2. Long Term Failure Rate Summary

Technology	Device Hours	# Failed	FIT Rate	Failure Mode
C8	380,645	0	14	None
LL65	342,872	0	16	None
C9	366,608	0	15	None
R8	620,000	0	9	None
R52	138,500	0	Insufficient	None
S8	2,357,559	0	2	None
S4	980,718	0	5	None
R95	622,513	0	9	None
R7	95,472	0	Insufficient	None
R42	343,226	0	16	None
P26	232	0	Insufficient	None
Dual Die FRAM (130nm TI F-RAM, 180nm IBM CMOS)	212,368	0	25	None
Dual Die FRAM* (*130nm TI F-RAM, 180nm IBM CMOS)	188,684	0	29	None
Grand Total	6,707,166	0	0.8	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 Failure Rate Summary

Technology	Activation Energy	Device Hours	# Failed	FIT Rate	PPM	Failure Mode
S4	0.7 eV	760,000	0	3.29	0	None
S8	0.7 eV	907,500	0	2.49	0	None
Dual Die FRAM* (*130nm TI F-RAM, 180nm IBM CMOS)	1.4 eV	308,000	0	0.49	0	None
130nm TI F-RAM	1.4 eV	242,000	0	0.62	0	None

3.0 PACKAGE RELIABILITY

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

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

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

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

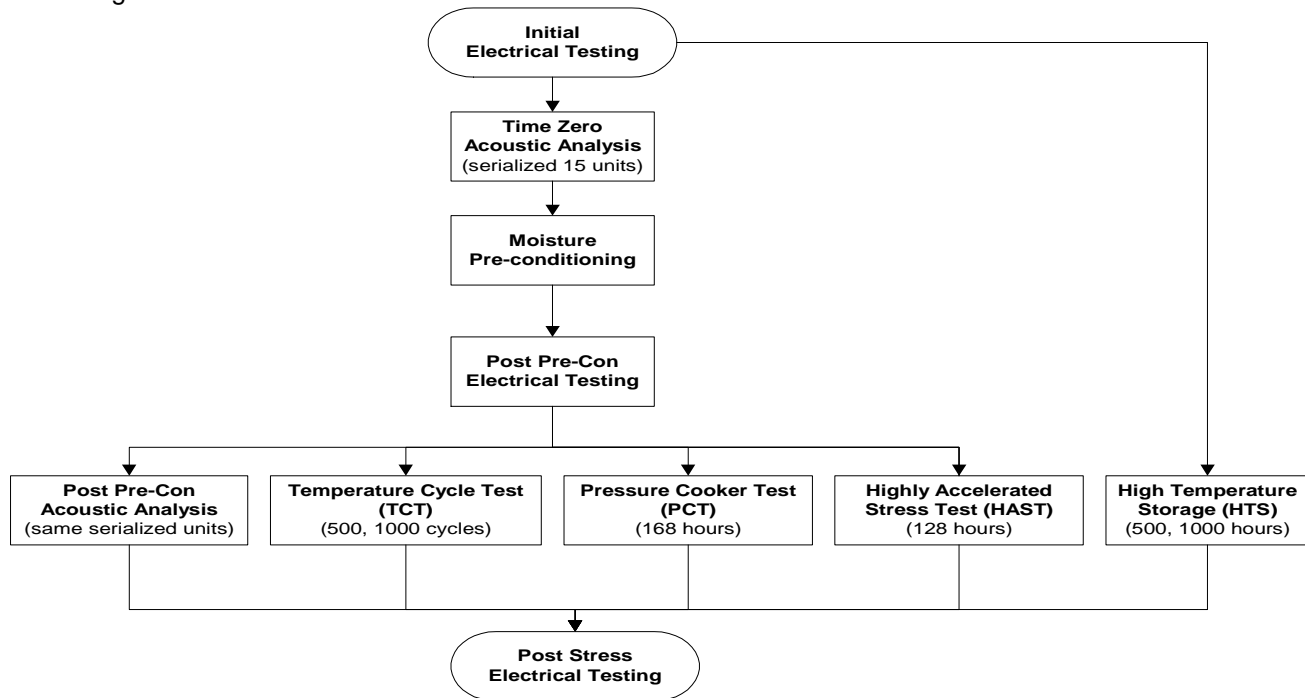


Figure 1. Cypress Package Reliability Stress Flow



3.1 PRESSURE COOKER TEST (PCT)

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

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

Table 4. Pressure Cooker Test Failure Rate Summary

Package	Sample Size	# Failed	Defects %	Failure Mode
UFBGA (Pb-free)	297	0	0	None
FBGA (0.75-0.8, 0.3mm)	90	0	0	None
FBGA (0.75-0.8, 0.3mm, Pb-free)	2161	24	1.11%	24-Lifted Ball (See Note 1)
FBGA (1.0-1.27)	462	2	0.43%	2-Broken Wire (See Note 2)
FBGA (1.0-1.27, Pb-free)	2010	0	0	None
FLIPCHIP CSP (Pb-Free)	189	0	0	None
PDIP	30	0	0	None
PDIP (Pb-Free)	1573	0	0	None
PLCC (Pb-Free)	87	0	0	None
PQFP (Pb-free)	89	0	0	None
QFN (COL, 0.6mm, Saw Type, Pb-free)	1362	0	0	None
QFN (Punch Type, Pb-Free)	210	0	0	None
QFN (Saw Type, Pb-Free)	10107	0	0	None
DFN, 0.8mm Thickness (Saw Type)	345	0	0	None
QSOP (Pb-Free)	173	0	0	None
SNC (Pb-Free)	210	0	0	None
SOIC (Pb Free)	4961	0	0	None
SOJ	90	0	0	None
SOJ (Pb-Free)	146	0	0	None
SSOP (Pb-Free)	2852	0	0	None
TQFP (Pb-Free)	2424	0	0	None
TSOP (Pb-free)	840	0	0	None
TSOP I (Pb-Free)	180	0	0	None
TSOP II (Pb-Free)	2689	0	0	None
TSSOP (Pb-Free)	1619	0	0	None
VFBGA (0.75-0.8, 0.3mm)	146	0	0	None
VFBGA (0.75-0.8, 0.3mm, Pb-Free)	1523	0	0	None
PBGA (Pb-Free)	170	0	0	None
FCBGA	1374	0	0	None
Grand Total	38,409	26	0.07%	See Above

Notes :

- 1)CAR 201325021 – Replacement of Die Attach Epoxy with Die Attach Film
- 2)CAR 201323012- Implement New Epoxy Dispensing



3.2 HIGHLY ACCELERATED STRESS TEST (HAST)

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

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

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

Package	Sample Size	# Failed	Defects %	Failure Mode
FBGA (0.75-0.8, 0.3mm)	30	0	0	None
FBGA (0.75-0.8, 0.3mm, Pb-free)	722	0	0	None
FBGA (1.0-1.27)	130	0	0	None
FBGA (1.0-1.27, Pb-free)	785	0	0	None
FCBGA	118	0	0	None
PBGA (Pb-Free)	119	0	0	None
PDIP (Pb-Free)	337	0	0	None
QFN (COL, 0.6mm, Saw Type, Pb-free)	618	0	0	None
QFN (Saw Type, Pb-Free)	3716	0	0	None
QFN (Punch Type, Wettable Flank, Pb-Free)	160	0	0	None
QSOP (Pb-Free)	30	0	0	None
SNC (Pb-Free)	120	0	0	None
SOIC (Pb Free)	1504	0	0	None
SOJ (Pb-Free)	87	0	0	None
SSOP (Pb-Free)	1245	0	0	None
TQFP (Pb-Free)	1179	0	0	None
TSOP (Pb-free)	485	0	0	None
TSOP I (Pb-Free)	60	0	0	None
TSOP II (Pb-Free)	775	0	0	None
TSSOP (Pb-Free)	284	0	0	None
VFBGA (0.75-0.8, 0.3mm, Pb-Free)	414	0	0	None
PLCC (Pb-Free)	120	0	0	None
Grand Total	13,038	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)	310	0	0	None
FBGA (0.75-0.8, 0.3mm)	90	0	0	None
FBGA (0.75-0.8, 0.3mm, Pb-free)	1,889	3	0.16%	1-Lifted Ball (See Note 1) 2- Broken Wire (See Note 2)
FBGA (1.0-1.27)	459	0	0	None
FBGA (1.0-1.27, Pb-free)	2,896	0	0	None
FLIPCHIP CSP (Pb-Free)	594	0	0	None
PDIP (Pb-Free)	2,308	0	0	None
PLCC (Pb-Free)	408	0	0	None
PQFP (Pb-free)	175	0	0	None
QFN (COL, 0.6mm, Saw Type, Pb-free)	1,250	0	0	None
QFN (Punch Type, Pb-Free)	194	0	0	None
QFN (Saw Type, Pb-Free)	11,709	0	0	None
QFN (Punch Type, Wettable Flank, Pb-Free)	185	0	0	None
DFN, 0.8mm Thickness (Saw Type)	288	0	0	None
QSOP (Pb-Free)	146	0	0	None
SNC (Pb-Free)	229	0	0	None
SOIC (Pb Free)	5,178	0	0	None
SOJ	136	0	0	None
SOJ (Pb-Free)	150	0	0	None
SSOP (Pb-Free)	2,557	0	0	None
TQFP (Pb-Free)	2,897	0	0	None
TSOP (Pb-free)	976	0	0	None
TSOP I (Pb-Free)	116	0	0	None
TSOP II (Pb-Free)	2,339	0	0	None
TSSOP	102	0	0	None
TSSOP (Pb-Free)	1,866	0	0	None
VFBGA (0.75-0.8, 0.3mm)	119	0	0	None
VFBGA (0.75-0.8, 0.3mm, Pb-Free)	1,761	0	0	None
PBGA (Pb-Free)	564	0	0	None
FCBGA	692	0	0	None
Grand Total	42,583	3	0.01%	See Above

Notes :

- 1) CAR 201325021 – Replacement of Die Attach Epoxy with Die Attach Film
- 2) CAR 201331031 – Change Substrate Supplier, Implement New Epoxy Dispensing and Substrate Baking



3.4 HIGH TEMPERATURE STORAGE (HTS)

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

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

Table 7. High Temperature Storage Failure Rate Summary

Package	Sample Size	# Failed	Defects %	Failure Mode
UFBGA (Pb-free)	210	0	0	None
FBGA (0.75-0.8, 0.3mm)	115	0	0	None
FBGA (0.75-0.8, 0.3mm, Pb-free)	1,295	0	0	None
FBGA (1.0-1.27)	450	0	0	None
FBGA (1.0-1.27, Pb-free)	810	0	0	None
FLIPCHIP CSP (Pb-Free)	335	0	0	None
PDIP (Pb-Free)	1,673	0	0	None
PLCC (Pb-Free)	372	0	0	None
PQFP (Pb-free)	172	0	0	None
QFN (COL, 0.6mm, Saw Type, Pb-free)	2,066	0	0	None
QFN (Punch Type, Pb-Free)	270	0	0	None
QFN (Saw Type, Pb-Free)	8,068	0	0	None
DFN , 0.8mm Thickness (Saw Type)	90	0	0	None
QSOP (Pb-Free)	178	0	0	None
SNC (Pb-Free)	180	0	0	None
SOIC (Pb Free)	2,412	0	0	None
SOJ	174	0	0	None
SOJ (Pb-Free)	274	0	0	None
SSOP (Pb-Free)	1,960	0	0	None
TQFP (Pb-Free)	1,826	0	0	None
TSOP (Pb-free)	1,049	0	0	None
TSOP I (Pb-Free)	120	0	0	None
TSOP II (Pb-Free)	1,718	0	0	None
TSSOP	103	0	0	None
TSSOP (Pb-Free)	1,699	0	0	None
VFBGA (0.75-0.8, 0.3mm)	180	0	0	None
VFBGA (0.75-0.8, 0.3mm, Pb-Free)	2,142	0	0	None
PBGA (Pb-Free)	370	0	0	None
FCBGA	308	0	0	None
Grand Total	30,311	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 (8.62×10^{-5} eV/°Kelvin)

RH_u = use environment relative humidity

RH_t = test environment relative humidity

AF = acceleration factor

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

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

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

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

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



APPENDIX A: FAILURE RATE CALCULATION (cont.)

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

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

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

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

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

Similarly, for 140 °C HAST testing,

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

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

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

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



APPENDIX A: FAILURE RATE CALCULATION (cont.)

Failure Rate Calculation

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

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

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

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

where:

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

n = number of failure.

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

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

APPENDIX B: TEMPERATURE CYCLING STRESS MODELS

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

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

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.

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

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

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

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



APPENDIX B: TEMPERATURE CYCLING STRESS MODELS (cont.)

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

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

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

References:

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

APPENDIX C: EQUIVALENCE OF DIFFERENT STRESS TEST CONDITIONS

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

Dynamic (HTOL)

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

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

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)

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



Appendix D - RELIABILITY DATA

FROM: 12/29/2012

TO: 12/29/2013

Summary Detail -- EFR Performance Over Time

TECHNOLOGY	DIVISION	EVALNUM	TV	DEVICE	TEMP	VOLT	READOUT	DURATION	SS	REJECT	FA	COMMENTS
LL65												
	MPD	124303	R1	CY7C1414KV18-250BZXC	125	1.95	96	96	3771	0		
	MPD	124303	R2	CY7C1414KV18-250BZXC	125	1.95	96	96	3834	0		
	MPD	123108	R2	CY7C1512KV18-250BZXC	125	5.75	96	96	2871	0		
	MPD	123810	R2	CY7C1512KV18-250BZXC	125	5.75	96	96	2880	0		
	DCD	121306	R1A_Split 1	CYUSB3304-68LTXGRES	140	3.77	72	72	374	0		
	DCD	121306	R1A_Split 2	CYUSB3304-68LTXGRES	140	3.77	72	72	443	0		
	DCD	121306	R1A_Split 3	CYUSB3304-68LTXGRES	140	3.77	72	72	443	0		
	DCD	121306	R1A_Split 4	CYUSB3304-68LTXGRES	140	3.77	72	72	273	0		
	MPD	121904	R2_Split 1	CY7C4141K	125	1.45	96	96	700	0		
	MPD	121904	R2_Split 2	CY7C4141K	125	1.45	96	96	700	0		
	MPD	121904	R1A	CY7C4141K	125	1.375	96	96	499	0		



FROM: 12/29/2012

TO: 12/29/2013

Summary Detail -- EFR Performance Over Time

MPD	121904	R2A	CY7C4141K	125	1.45	96	96	600	0
MPD	121904	R4B	CY7C4141K	125	1.5	96	96	465	0

Summary for Technology: LL65 13 records

Sum 17,853 0

C9

MPD	124701	R1	CY7C1071DV33-12BAXI	110	3.77	168	168	552	0		
MPD	124701	R2	CY7C1071DV33-12BAXI	110	3.77	168	168	847	0		
MPD	124701	R3	CY7C1071DV33-12BAXI	110	3.77	168	168	1713	0		
MPD	124701	R4	CY7C1071DV33-12BAXI	110	3.77	168	168	580	0		
MPD	130503	R4	CY7C199D-25SXE	150	5.2	48	48	800	0		
MPD	130503	R6	CY7C199D-25SXE	150	5.2	48	48	800	0		
MPD	130503	R5	CY7C199D-25SXE	150	5.2	48	48	800	0		
MPD	130602	R3	CY7C1041DV33-10ZSXI	150	5	96	96	5115	0		
MPD	130602	R2	CY7C1041DV33-10ZSXI	150	5	96	96	5213	1	CMIFA-1758	NVD
MPD	130602	R1	CY7C1041DV33-10ZSXI	150	5	96	96	4616	1	CMIFA-1758	Partial bridge at the top of LITR
MPD	MR133062	R1	CY7C1041DV33-10ZSXIT	150	5	24	24	300	0		



FROM: 12/29/2012

TO: 12/29/2013

Summary Detail -- EFR Performance Over Time

CCD	MR123065	R2	CY8C20566A-24PVXIT	150	5	48	48	595	0
MPD	MR122069	R1	CY14B101LA-ZS45XIT	150	3.3	48	48	730	0
MPD	MR122069	R1	CY14B101LA-ZS45XIT	150	3.3	48	48	729	0
CCD	122205	R1_Split 1	CY8C20446A-24LQXI	150	2.07	48	48	599	0
CCD	122205	R1_Split 2	CY8C20446A-24LQXI	150	2.07	48	48	599	0
CCD	122205	R1_Split 3	CY8C20446A-24LQXI	150	2.07	48	48	332	0
PSD	123502	GOOB1	CY8C4245AXI-483ES	150	2.07	48	48	1049	0
PSD	123502	GOOB1	CY8C4245AXI-483ES	150	2.07	48	48	1093	0
PSD	123502	GOOB1	CY8C4245AXI-483ES	150	2.07	48	48	1049	0
PSD	123502	R1	CY8C4245AXI-018ES	150	2.07	48	48	189	0
PSD	123502	R2	CY8C4245AXI-018ES	150	2.07	48	48	1071	0
PSD	123502	R2	CY8C4245AXI-018ES	150	2.07	48	48	39	0
PSD	123502	R2_Split 1	CY8C4245AXI-018ES	150	2.07	96	96	36	0
PSD	123502	R2_Split 2	CY8C4245AXI-018ES	150	2.07	96	96	2	0
PSD	123502	R2_Split 3	CY8C4245AXI-018ES	150	2.07	96	96	2	0
DCD	123803	R5	CY7C65215-32LTXI	150	5.5	48	48	50	0
DCD	123803	R5_Split 1	CY7C65215-32LTXI	150	1.95	48	48	480	0



FROM: 12/29/2012

TO: 12/29/2013

Summary Detail -- EFR Performance Over Time

DCD	123803	R5_Split 2	CY7C65215-32LTXI	150	1.95	48	48	527	0
DCD	123803	R5_Split 1	CY7C65215-32LTXI	150	1.95	72	72	2	0
DCD	123803	R5_Split 3	CY7C65215-32LTXI	150	1.95	48	48	517	0
PSD	124705	R1_Split 1	CY8CTMA340-48LQI-01	150	2.07	48	48	149	0
PSD	124705	R1_Split 2	CY8CTMA340-48LQI-01	150	2.07	48	48	174	0
PSD	124705	R1_Split 3	CY8CTMA340-48LQI-01	150	2.07	48	48	176	0
PSD	124705	R1_Split 4	CY8CTMA340-48LQI-01	150	2.07	48	48	176	0
PSD	124705	R1_Split 5	CY8CTMA340-48LQI-01	150	2.07	48	48	176	0
PSD	124705	R1_Split 6	CY8CTMA340-48LQI-01	150	2.07	48	48	176	0
PSD	124705	R1_Split 7	CY8CTMA340-48LQI-01	150	2.07	48	48	176	0
PSD	124705	R1_Split 8	CY8CTMA340-48LQI-01	150	2.07	48	48	175	0
PSD	124705	R1_Split 9	CY8CTMA340-48LQI-01	150	2.07	48	48	49	0
PSD	124705	R1_Split 10	CY8CTMA340-48LQI-01	150	2.07	48	48	32	0
PSD	124705	R1_Split 11	CY8CTMA340-48LQI-01	150	2.07	48	48	9	0
PSD	124705	R1A	CY8CTMA340-48LQI-01	150	2.07	48	48	100	0
DCD	130901	R2_Split 1	CYRF89535-68LTXCES	150	2.07	48	48	135	0
DCD	130901	R2_Split 2	CYRF89535-68LTXCES	150	2.07	48	48	135	0



FROM: 12/29/2012

TO: 12/29/2013

Summary Detail -- EFR Performance Over Time

DCD	130901	R2_Split 3	CYRF89535-68LTXCES	150	2.07	48	48	133	0
DCD	130901	R2_Split 4	CYRF89535-68LTXCES	150	2.07	48	48	66	0
MPD	MR122069	R1	CY14B101LA-ZS45XIT	150	3.3	48	48	494	0
MPD	MR122069	R1	CY14B101LA-ZS45XIT	150	3.3	48	48	529	0
CCD	MR124066	R1	CY8C20466A-24LQXIT	150	2.1	48	48	575	0
CCD	MR124066	R1	CY8C20466A-24LQXIT	150	2.1	48	48	510	0
CCD	MR124068	R1_Split 1	CY8C20446A-24LQXI	150	2.1	48	48	601	0
CCD	MR124068	R1_Split 2	CY8C20446A-24LQXI	150	2.1	48	48	399	0
CCD	MR131065	R1	CY8C20466A-24LQXIT	150	2.1	48	48	575	0
CCD	MR131065	R1	CY8C20466A-24LQXIT	150	2.1	48	48	424	0
PSD	MR132071	R1_Split 1	CY8CTST242-LQI-01T	150	5	48	48	567	0
PSD	MR132071	R1_Split 2	CY8CTST242-LQI-01T	150	5	48	48	422	0
PSD	124501	R1	CY8C3446AXI-099	150	2.07	48	48	1591	0
PSD	124501	R2_Split 1	CY8C3446AXI-099	150	2.07	48	48	1018	0
PSD	124501	R2_Split 2	CY8C3446AXI-099	150	2.07	48	48	575	0
PSD	131601	R1_Split 1	CY8CTMA340-48LQI-01	150	2.07	48	48	149	0
PSD	131601	R1_Split 2	CY8CTMA340-48LQI-01	150	2.07	48	48	149	0



FROM: 12/29/2012

TO: 12/29/2013

Summary Detail -- EFR Performance Over Time

PSD	131601	R1_Split 3	CY8CTMA340-48LQI-01	150	2.07	48	48	149	0
PSD	131601	R1_Split 4	CY8CTMA340-48LQI-01	150	2.07	48	48	149	0
PSD	131601	R1_Split 5	CY8CTMA340-48LQI-01	150	2.07	48	48	149	0
PSD	131601	R1_Split 6	CY8CTMA340-48LQI-01	150	2.07	48	48	149	0
PSD	131601	R1_Split 7	CY8CTMA340-48LQI-01	150	2.07	48	48	186	0
PSD	131601	R1_Split 8	CY8CTMA340-48LQI-01	150	2.07	48	48	186	0
PSD	131601	R1_Split 9	CY8CTMA340-48LQI-01	150	2.07	48	48	186	0
PSD	131601	R1_Split 10	CY8CTMA340-48LQI-01	150	2.07	48	48	68	0
PSD	131601	R2_Split 1	CY8CTMA340-48LQI-01	150	2.07	48	48	118	0
PSD	131601	R2_Split 2	CY8CTMA340-48LQI-01	150	2.07	48	48	186	0
PSD	131601	R2_Split 3	CY8CTMA340-48LQI-01	150	2.07	48	48	186	0
PSD	131601	R2_Split 4	CY8CTMA340-48LQI-01	150	2.07	48	48	186	0
PSD	131601	R2_Split 5	CY8CTMA340-48LQI-01	150	2.07	48	48	186	0
PSD	131601	R2_Split 6	CY8CTMA340-48LQI-01	150	2.07	48	48	186	0
PSD	131601	R2_Split 7	CY8CTMA340-48LQI-01	150	2.07	48	48	184	0
PSD	131601	R2_Split 8	CY8CTMA340-48LQI-01	150	2.07	48	48	186	0
PSD	131601	R2_Split 9	CY8CTMA340-48LQI-01	150	2.07	48	48	106	0



FROM: 12/29/2012

TO: 12/29/2013

Summary Detail -- EFR Performance Over Time

PSD	133003	R1	CY8C3866AXA4-040	150	5	48	48	1610	0
PSD	MR133030	R1	CY8CTMA461-48LQI	150	5.75	48	48	297	0
PSD	MR133031	R1	CY8CTMA443-48LQIES4	150	5.75	48	48	291	0
PSD	131402	R1B	CY8C3866AXA4-040	150	2.07	48	48	2337	0
PSD	131402	R2_Split 1	CY8C3846AXE4-175	150	2.07	48	48	2066	0
PSD	131402	R2_Split 2	CY8C3846AXE4-175	150	2.07	48	48	357	0
PSD	131402	R2A	CY8C3866AXA-040ES5	150	2.07	48	48	693	0
PSD	131402	R3_Split 1	CY8C3846AXE4-175	150	2.07	48	48	409	0
PSD	131402	R3_Split 2	CY8C3846AXE4-175	150	2.07	48	48	1033	0
PSD	131402	R3_Split 3	CY8C3846AXE4-175	150	2.07	48	48	453	0
PSD	131402	R3_Split 4	CY8C3846AXE4-175	150	2.07	48	48	295	0
PSD	131402	R4	CY8C3866AXA4-040	150	2.07	48	48	3004	0
MPD	133310	R1	CY14B104NA-BA45XIT	125	3.3	96	96	1283	0
MPD	133310	R2_Split 1	CY14B104NA-BA45XIT	125	3.3	96	96	519	0
MPD	133310	R2_Split 2	CY14B104NA-BA45XIT	125	3.3	96	96	282	0
MPD	133310	R2_Split 3	CY14B104NA-BA45XIT	125	3.3	96	96	516	0
PSD	131303	R1B	CY8CTMA560EFR-48LQI	150	6	48	48	50	0



FROM: 12/29/2012

TO: 12/29/2013

Summary Detail -- EFR Performance Over Time

PSD	131303	R1B_Split 1	CY8CTMA560EFR-48LQI	150	2.07	48	48	1372	0
PSD	131303	R1B_Split 2	CY8CTMA560EFR-48LQI	150	2.07	48	48	178	0
PSD	131303	R5_Split 1	CY8CTMA560EFR-48LQI	150	2.07	48	48	1366	0
PSD	131303	R5_Split 2	CY8CTMA560EFR-48LQI	150	2.07	48	48	172	0
PSD	133101	R2_Split 1	CY8CTMA560EFR-48LQI	150	2.07	48	48	1318	0
PSD	133101	R2_Split 2	CY8CTMA560EFR-48LQI	150	2.07	48	48	231	0
PSD	133101	R2A	CY8CTMA560EFR-48LQI	150	2.07	48	48	1268	0
PSD	133101	R2A	CY8CTMA560EFR-48LQI	150	2.07	48	48	282	0
PSD	132201	R1_Split 1	CY8CTMA443-48LQIES4	150	2.07	48	48	450	0
PSD	132201	R1_Split 2	CY8CTMA443-48LQIES4	150	2.07	48	48	115	0
PSD	132201	R1_Split 3	CY8CTMA443-48LQIES4	150	2.07	48	48	449	0
PSD	132201	R1_Split 4	CY8CTMA443-48LQIES4	150	2.07	48	48	401	0
PSD	132201	R1_Split 5	CY8CTMA443-48LQIES4	150	2.07	48	48	99	0
PSD	132201	R2_Split 1	CY8CTMA443-48LQIES4	150	2.07	48	48	450	0
PSD	132201	R2_Split 2	CY8CTMA443-48LQIES4	150	2.07	48	48	335	0
PSD	132201	R2_Split 3	CY8CTMA443-48LQIES4	150	2.07	48	48	227	0
PSD	132201	R2_Split 4	CY8CTMA443-48LQIES4	150	2.07	48	48	49	0



FROM: 12/29/2012

TO: 12/29/2013

Summary Detail -- EFR Performance Over Time

PSD	132201	R2_Split 5	CY8CTMA443-48LQIES4	150	2.07	48	48	450	0
PSD	131203	R2_Split 1	CY8CTMA443-48LQIES4	150	2.07	48	48	371	0
PSD	131203	R2_Split 2	CY8CTMA443-48LQIES4	150	2.07	48	48	370	0
PSD	131203	R2_Split 3	CY8CTMA443-48LQIES4	150	2.07	48	48	274	0
PSD	131203	R3	CY8CTMA443-48LQIES4	150	2.07	72	72H	28	0
PSD	131203	R3_Split 1	CY8CTMA443-48LQIES4	150	2.07	48	48	371	0
PSD	131203	R3_Split 2	CY8CTMA443-48LQIES4	150	2.07	48	48	371	0
PSD	131203	R3_Split 3	CY8CTMA443-48LQIES4	150	2.07	48	48	272	0
PSD	131203	R5_Split 1	CY8CTMA443-48LQIES4	150	2.07	48	48	369	0
PSD	131203	R5_Split 2	CY8CTMA443-48LQIES4	150	2.07	48	48	369	0
PSD	131203	R5_Split 3	CY8CTMA443-48LQIES4	150	2.07	48	48	267	0
PSD	131203	R6A_Split 1	CY8CTMA443-48LQIES4	150	2.07	48	48	369	0
PSD	131203	R6A_Split 2	CY8CTMA443-48LQIES4	150	2.07	48	48	450	0
PSD	131203	R6A_Split 3	CY8CTMA443-48LQIES4	150	2.07	48	48	194	0
PSD	131203	R7A_Split 1	CY8CTMA443-48LQIES4	150	2.07	48	48	256	0
PSD	131203	R7A_Split 2	CY8CTMA443-48LQIES4	150	2.07	48	48	450	0
PSD	131203	R7A_Split 3	CY8CTMA443-48LQIES4	150	2.07	48	48	308	0



FROM: 12/29/2012

TO: 12/29/2013

Summary Detail -- EFR Performance Over Time

PSD	131203	R8_Split 1	CY8CTMA443-48LQIES4	150	2.07	48	48	223	0
PSD	131203	R8_Split 2	CY8CTMA443-48LQIES4	150	2.07	48	48	334	0
PSD	131203	R8_Split 3	CY8CTMA443-48LQIES4	150	2.07	48	48	450	0

Summary for Technology: S8 125 records

Sum 55,353 0

C8

DCD	MR123069	R1	CY7C65630-56LTXC	125	3.8	96	96	989	0
DCD	MR124072	R1	CY7C65630-56LTXC	125	3.8	96	96	996	1
DCD	MR131073	R1	CY7C65631-56LTXCT	125	3.8	96	96	960	0

MR124072-1E1 Via Issue

Summary for Technology: C8 3 records 2,945 1

R9

MPD	MR132067	R1	CY7C1441AV33-133AXC	150	2.25	48	48	1000	0
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Summary for Technology: R9 1 records

Sum 1,000 0

R7

PSD	125002	R1_Split 1	7A134101FC-**JTZWE	150	2.3	48	48	3421	0
PSD	125002	R1_Split 2	7A134101FC-**JTZWE	150	2.3	48	48	131	0



FROM: 12/29/2012

TO: 12/29/2013

Summary Detail -- EFR Performance Over Time

PSD	125002	R2	7A134101FC-**JTZWE	150	2.3	48	48	3549	0
PSD	125002	R3_Split 1	7A134101FC-**JTZWE	150	2.3	48	48	3405	0
PSD	125002	R3_Split 2	7A134101FC-**JTZWE	150	2.3	48	48	62	0
PSD	131806	R1_Split 1	CY7C1011CV33-10BAJXE	150	5	48	48	357	0
PSD	131806	R1_Split 2	CY7C1011CV33-10BAJXE	150	5	48	48	170	0
PSD	131806	R1_Split 3	CY7C1011CV33-10BAJXE	150	5	48	48	119	0
PSD	131806	R2_Split 1	CY7C1011CV33-10BAJXE	150	5	48	48	228	0
PSD	131806	R2_Split 2	CY7C1011CV33-10BAJXE	150	5	48	48	118	0
PSD	131806	R3_Split 1	CY7C1011CV33-10BAJXE	150	5	48	48	237	0
PSD	131806	R3_Split 2	CY7C1011CV33-10BAJXE	150	5	48	48	119	0
PSD	131806	R4	CY7C1011CV33-10BAJXE	150	5	48	48	649	0
MPD	131806	R5	CY7C1041CV33	150	5	48	48	395	0

Summary for Technology: R7 14 records

Sum 12,960 0

S4

CCD	MR123057	R1	CY8C20424-12LQXI	125	5.5	120	120	489	0
CCD	MR123057	R2	CY8C20424-12LQXIT	125	5.5	120	120	346	0



FROM: 12/29/2012

TO: 12/29/2013

Summary Detail -- EFR Performance Over Time

CCD	MR121069	R1	CY8C21534-12PVXET	150	5	48	48	785	0
CCD	MR123071	R1	CY8C29466-24PVXIT	125	5.5	96	96	919	0
CCD	MR123057	R1	CY8C20424-12LQXI	125	5.5	96	96	168	0
PSD	MR131068	R1	CY8C21534-24PVXAT	125	5.5	48	48	1000	0
PSD	MR132063	R1	CY8C21534-12PVXET	125	5.5	48	48	1175	0
MPD	MR124071	R1	CY62167DV30LL-55BVXI	150	2.4	48	48H	300	0

Summary for Technology: S4 8 records

Sum 5,182 0

R42

MPD	124709	R1	CY7C024E-25AXC	150	6.5	96	96	1021	0
MPD	124709	R3	CY7C024E-25AXC	150	6.5	96	96	1022	0
MPD	124709	R2_Split 1	CY7C024E-25AXC	150	6.5	96	96	1160	0
MPD	124709	R2_Split 2	CY7C024E-25AXC	150	6.5	96	96	173	0
MPD	124709	R2_Split 13	CY7C024E-25AXC	150	6.5	96	96	541	0



FROM: 12/29/2012

TO: 12/29/2013

Summary Detail -- EFR Performance Over Time

MPD	MR132065	R1	CY62256VNLL-70SNXIT	125	3.85	96	96	1080	0
MPD	MR133019	R1	CY62256NLL-55SNXIT	125	5.75	96	96	300	0
Summary for Technology: R42		7	records						
Sum								5,297	0
R95									
PSD	MR132062	R1	CY62146EV30LL-45ZSXAT	150	1.85	24	24	999	0
MPD	MR131072	R1	CY62167EV30LL-45BVXIT	125	1.85	96	96	960	0
Summary for Technology: R95		2	records						
Dual Die FRAM (130nm TI F-RAM, 180nm IBM CMOS)									
MPD	MR132068	R1	FM18W08-SG	115	2.7	168	168	830	0
MPD	MR132068	R2	FM18W08-SG	115	2.7	168	168	827	0
MPD	MR132068	R3	FM18W08-SG	115	2.7	168	168	829	0
Summary for Technology: Dual Die FRAM (130nm TI F-RAM, 180nm IBM CMOS)		3	records						
Sum								2,486	0



FROM: 12/29/2012

TO: 12/29/2013

Summary Detail -- EFR Performance Over Time

130nm TI F-RAM

MPD	MR132069	R1	FM25V40-GC	115	2.7	168	168	998	0
MPD	MR132069	R2	FM25V40-GC	115	2.7	168	168	1,002	0
MPD	MR132069	R3	FM25V40-GC	115	2.7	168	168	1,012	0

Summary for Technology: 30nm TI F-RAM

3 records

Sum 3,012 0

B53

DCD	MR123070	R1	CYRF6936-40LTXC	150	3.8	48	48	300	0
DCD	MR131071	R1	CYRF6936-40LTXC	150	3.8	48	48	300	0

Summary for Technology: B53

2 records

Sum 600 0

P26

DCD	133504	R1	CY7C63743CK4-SXC	150	5.5	48	48	540	0
DCD	133504	R1A	CY7C63743CK4-SXC	150	5.5	48	48	540	0
DCD	133504	R2_Split 1	CY7C63743CK4-SXC	150	5.5	48	48	540	0



FROM: 12/29/2012

TO: 12/29/2013

Summary Detail -- EFR Performance Over Time

DCD	133504	R2_Split 2	CY7C63743CK4-SXC	150	5.5	48	48	540	0
DCD	133504	R2_Split 3	CY7C63743CK4-SXC	150	5.5	48	48	420	0
DCD	133504	R3	CY7C63743CK4-SXC	150	5.5	48	48	360	0
DCD	133504	R5_Split 1	CY7C63743CK4-SXC	150	5.5	48	48	360	0
DCD	133504	R5_Split 2	CY7C63743CK4-SXC	150	5.5	48	48	360	0
DCD	133504	R5_Split 3	CY7C63743CK4-SXC	150	5.5	48	48	190	0
DCD	133504	R5_Split 4	CY7C63743CK4-SXC	150	5.5	48	48	90	0

Summary for Technology: P26

10

records

Sum

3,940 0



Summary Detail -- LFR Performance Over Time

TECHNOLOGY	DIVISION	EVALNUM	TV	DEVICE	TEMP	VOLT	READOUT	DURATION	SS	REJECT	FA	COMMENTS
C8												
	PSD	MR123072	R1	CY7C65630-56LTXC	125	3.8	1000	1000	287	0		
	DCD	MR123069	R1	CY7C65630-56LTXC	125	3.8	1000	1000	297	0		
	DCD	MR124072	R1	CY7C65630-56LTXC	125	3.8	1000	1000	297	0		
	DCD	MR131073	R1	CY7C65631-56LTXCT	125	3.8	1000	1000	299	0		
Summary for Technology: C8			4	records								
Sum									1,180	0		
LL65												
	MPD	MR123059	R1	CY7C1512KV18-250BZXI	125	1.95	1000	1000	500	0		
	MPD	121904	R1A	CY7C4141KV12-600FCXC	125	1.374	1000	1000	177	0		
	MPD	121904	R2	CY7C4141KV12-600FCXC	125	1.375	1000	1000	178	0		
	MPD	121904	R2A	CY7C4141KV12-600FCXC	125	1.375	1000	1000	178	0		
	MPD	121904	R4B	CY7C4141KV12-600FCXC	125	1.5	168	168	178	0		
Summary for Technology: LL65			5	records								
Sum									1,211	0		



Summary Detail -- LFR Performance Over Time

C9										
	PSD	130503	R1	CY7C199D-25SXE	150	5.75	408	408	77	0
	PSD	130503	R2	CY7C199D-25SXE	150	5.75	408	408	74	0
	MPD	MR131066	R2	CY7C1041DV33-10ZSXI	150	3.77	500	500	310	0
	MPD	MR132061	R1	CY7C1041DV33-10ZSXIT	150	3.77	500	500	300	0
Summary for Technology: C9			4	records						
Sum									761	0
R8										
	MPD	MR123064	R1	CY62167DV30LL-55BVXI	125	2.4	500	500	298	0
	MPD	MR132064	R1	CY62167DV30LL-55BVXI	150	2.4	500	500	299	0
	MPD	MR133061	R1	CY62167DV30LL-55BVXI	150	2.4	500	500	294	0
	MPD	MR133066	R1	CY62167DV30LL-55BVIT	150	2.4	500	500	210	0
Summary for Technology: R8			4	records						
Sum									1,101	0
R52										
	MPD	MR121074	R1	CY7C1399BN-12VXCT	150	3.8	500	500	277	0
Summary for Technology: R52			1	records						
Sum									277	0



Summary Detail -- LFR Performance Over Time

S8

MPD	113005	R2C	CY14ME064Q2B-SXI	150	5.5	1000	1000	108	0
MPD	MR121072	R2	CY14B101NA-ZS25XI	150	3.3	500	500	319	0
PSD	123502	R2	CY8C4245AXI-018ES	150	2.07	500	500	151	0
DCD	123803	R2	CY7C65215-32LTXI	150	1.95	500	500	120	0
PSD	124705	R1	CY8CTMA340-48LQI-01	30	2.07	500	500	119	0
DCD	130901	R2	CYRF89535-68LTXCES	150	2.07	502	502	118	0
CCD	MR121064	R5	CY8C20546A-24PVXIT	150	2.1	500	500	300	0
CCD	MR121065	R4	CY8C20536A-24PVXIT	150	2.1	500	500	300	0
CCD	MR123065	R2	CY8C20566A-24PVXIT	150	2.1	500	500	300	0
CCD	MR124068	R1	CY8C20446A-24LQXI	150	2.07	500	500	300	0
MPD	MR122069	R1	CY14B101LA-ZS45XIT	150	3.3	500	500	300	0
CCD	MR131065	R1	CY8C20466A-24LQXIT	150	2.1	500	500	300	0
CCD	MR124066	R1	CY8C20466A-24LQXIT	150	2.1	500	500	300	0
PSD	MR132071	R1	CY8CTST242-LQI-01T	125	5	1000	1000	299	0
PSD	MR133031	R1	CY8CTMA443-48LQIES4	150	5	500	500	247	0
PSD	133902	R1	CY8C3866AXA-040ES5	150	2.07	408	408	80	0
PSD	133902	R2	CY8C3846AXE4-175	150	2.07	408	408	82	0



Summary Detail -- LFR Performance Over Time

PSD	133902	R3	CY8C3846AXE4-175	150	2.07	408	408	82	0
PSD	131303	R1B	CY8CTMA560EFR-48LQI	150	2.07	500	500	120	0
PSD	133101	R2	CY8CTMA560EFR-48LQI	150	2.07	500	500	120	0
PSD	131203	R1	CY8CTMA443-48LQIES4	150	2.07	500	500	116	0
PSD	131203	R2	CY8CTMA443-48LQIES4	150	2.07	500	500	116	0
PSD	131203	R3	CY8CTMA443-48LQIES4	150	2.07	500	500	116	0
PSD	131203	R6	CY8CTMA443-48LQIES4	150	2.07	500	500	187	0
PSD	131203	R6_Split 1	CY8CTMA443-48LQIES4	150	2.07	524	524	13	0
PSD	131203	R7	CY8CTMA443-48LQIES4	150	2.07	500	500	192	0
PSD	131203	R7_Split 1	CY8CTMA443-48LQIES4	150	2.07	524	524	8	0

Summary for Technology: S8

27

records

Sum

4,813 0

S4

CCD	MR124064	R1	CY8C24533-24PVXI	125	5.5	1000	1000	300	0
MPD	MR114053	R2	CY8C21534-24PVXAT	125	5.5	1000	1000	300	0
DCD	122602	R1	CYRF8935AK-24LQXC	150	1.2	500	500	179	0
DCD	122602	R2	CYRF8935AK-24LQXC	150	2.07	500	500	184	0
DCD	122602	R3	CYRF8935AK-24LQXC	150	2.07	500	500	184	0
PSD	131006	R1	CY8CTMA120-56LWXA	125	3.3	1000	1000	80	0



Summary Detail -- LFR Performance Over Time

CCD	MR121069	R1	CY8C21534-12PVXET	125	5.5	1000	1000	300	0
CCD	MR123071	R1	CY8C29466-24PVXIT	125	5.5	1000	1000	300	0
PSD	MR131068	R1	CY8C21534-24PVXAT	125	5.5	1024	1024	300	0
PSD	MR132063	R1	CY8C21534-12PVXET	125	5.5	1024	1024	299	0
CCD	MR123057	R1	CY8C20424-12LQXI	125	5.5	500	500	300	0
MPD	MR121073	R2	CY62167DV30LL-55BVXI	125	2.4	500	500	298	0

Summary for Technology: S4

12 records

Sum

3,024 0

R95

MPD	MR121066	R1	CY62146EV30LL-45ZSXI	125	1.85	500	500	299	0
MPD	MR123066	R1	CY62157EV30LL-45ZSXIT	125	1.85	500	500	300	0
MPD	MR131067	R2	CY62146EV30LL-45ZSXI	150	1.85	500	500	270	0
PSD	MR132062	R1	CY62146EV30LL-45ZSXAT	150	1.85	408	408	300	0
PSD	MR124074	R1	CY62147EV30LL-45ZSXA	150	1.85	408	408	299	0
PSD	MR133051	R1	CY62147EV30LL-45ZSXAT	150	1.85	408	408	299	0
MPD	130801	R1	CY62157EV30LL-45BVXI	125	1.85	1000	1000	76	0

Summary for Technology: R95

7 Record



Summary Detail -- LFR Performance Over Time

R7

PSD	131806	R1	CY7C1011CV33-10BAJXE	150	2.3	408	408	78	0
PSD	131806	R2	CY7C1011CV33-10BAJXE	150	2.3	408	408	78	0
PSD	131806	R3	CY7C1011CV33-10BAJXE	150	2.3	408	408	78	0

Summary for Technology: R7

3 record

Sum

234 0

R42

MPD	MR123058	R1	CY62256NLL-70SNXCT	125	5.75	1000	1000	300	0
MPD	MR132065	R1	CY62256VNULL-70SNXIT	125	3.85	1000	1000	299	0
MPD	MR133019	R1	CY62256NLL-55SNXIT	150	5.75	500	500	300	0

Summary for Technology: R42

3 records

Sum

899 0

Dual Die FRAM
(130nm TI F-RAM, 180nm IBM CMOS)

MPD	MR132068	R1	FM18W08-SG	115	2.7	1500	1500	89	0
MPD	MR132068	R2	FM18W08-SG	115	2.7	1500	1500	90	0
MPD	MR132068	R2	FM18W08-SG	115	2.7	1500	1500	90	0

Summary for Technology:
Dual Die FRAM
(130nm TI F-RAM, 180nm IBM CMOS)
Sum

3 records

269 0



Summary Detail -- LFR Performance Over Time

130nm TI F-RAM

MPD	MR132069	R1	FM25V40-GC	115	2.0	1500	1500	81	0
MPD	MR132069	R2	FM25V40-GC	115	2.0	1500	1500	79	0
MPD	MR132069	R3	FM25V40-GC	115	2.0	1500	1500	79	0

Summary for Technology: 130nm TI F-RAM

3 records

Sum 239 0

P26

DCD	133504	R1	CY7C63743CK4-SXC	150	5.5	500	500	116	0
DCD	133504	R2	CY7C63743CK4-SXC	150	5.5	500	500	116	0

Summary for Technology: P26

2 records

Sum 232 0



Summary Detail -- DRET Performance Over Time

TECHNOLOGY	DIVISION	EVALNUM	TV	DEVICE	TEMP	VOLT	READOUT	DURATION	SS	REJECT	FA	COMMENTS
S4												
	CCD	MR122076	R1	CY8C27443-24PVXIT	150	0	3500	3500	80	0		
	PSD	MR124097	R1	CY8C21534-24PVXIT	150	0	1000	1000	80	0		
	CCD	MR123082	R1	CY8C29466-24PVXIT	150	0	1000	1000	80	0		
	PSD	MR124080	R1	CY8C29466-24PVXI	150	0	1000	1000	80	0		
	PSD	MR131082	R1	CY8C24533-24PVXI	150	0	1000	1000	80	0		
	PSD	MR132077	R1	CY8C24533-24PVXI	150	0	1000	1000	80	0		
	PSD	MR133021	R1	CY8C24533-24PVXI	150	0	1000	1000	80	0		
Summary for Technology:			7	records								
S4												
Sum									560	0		
S8												
	CCD	MR124082	R1	CY8CTMG201A-32LQXIT	150	0	1000	1000	80	0		
	CCD	MR124084	R1	CY8C20446A-24LQXI	150	0	1000	1000	79	0		
	PSD	123502	R4	CY8C4245AXI-018ES	150	0	1500	1500	70	0		
	PSD	123502	R5	CY8C4245AXI-018ES	150	0	500	500	7	0		
	DCD	123803	R3	CY7C65215-32LTXIES	150	0	1500	1500	80	0		
	MPD	MR131079	R1	CY8C20466A-24LQXIT	150	0	1000	1000	80	0		



Summary Detail -- DRET Performance Over Time

CCD	MR131080	R1	CY8C20436A-24LQXIT	150	0	1000	1000	80	0
PSD	MR132078	R1	CY8C20466A-24LQXI	150	0	1000	1000	80	0
PSD	MR133032	R1	CY8C20446A-24LQXIT	150	0	1000	1000	80	0
PSD	MR133037	R1	CY8C20446A-24LQXIT	150	0	500	500	80	0
PSD	131303	R1B	CY8CTMA560EFR-48LQI	150	0	1000	1000	80	0
PSD	133101	R2	CY8CTMA560EFR-48LQI	150	0	1000	1000	80	0

Summary for Technology: S8

12 records

Sum

876 0

Dual Die FRAM
(130nm TI F-RAM, 180nm IBM CMOS)

MPD	MR132068	R1	FM18W08-SG	125	0	1000	1000	77	0
MPD	MR132068	R2	FM18W08-SG	125	0	1000	1000	77	0
MPD	MR132068	R2	FM18W08-SG	125	0	1000	1000	77	0
MPD	MR133073	R4	1808B-SG	125	0	1000	1000	77	0

Summary for Technology: Dual Die FRAM
(130nm TI F-RAM, 180nm IBM CMOS)

Sum

4 records

308 0



Summary Detail -- DRET Performance Over Time

130nm TI F-RAM

MPD	MR132069	R1	FM25V40-GC	125	0	1000	1000	80	0
MPD	MR132069	R2	FM25V40-GC	125	0	1000	1000	81	0
MPD	MR132069	R3	FM25V40-GC	125	0	1000	1000	81	0

Summary for Technology: 130nm TI F-RAM

Sum		3	records					242	0
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Summary Detail -- HAST Performance Over Time

BUILDKIT	ASSY SITE	EVALNUM	TV	DEVICE	TEMP	VOLT	READOUT	SS	REJECT	FA	COMMENTS
FBGA (0.75-0.8, 0.3mm)											
BA48ZGALE	G	MR123044	R1	CY7C1021BNV33L-15BAIT	130	3.6	128	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)											
BK121BAGLC	RA	MR131085	R2	CG7648AMT	130	3.63	128	40	0		
BK121BAGLC	RA	MR131085	R3	CG7648AMT	130	3.63	128	45	0		
BK121BAGLC	RA	MR131085	R1	CG7648AMT	130	3.63	128	40	0		
BK48MABALL	G	131806	R1	CY7C1011CV33-10BAJXE	130	3.65	96	80	0		
BK48MABALL	G	131806	R2	CY7C1011CV33-10BAJXE	130	3.65	96	80	0		
BK48MABALL	G	131806	R3	CY7C1011CV33-10BAJXE	130	3.65	96	80	0		
BK48MABALL	G	133401	R3	CY7C1011CV33-10BAJXE	130	3.65	96	80	0		
BK48MABALL	G	133401	R2	CY7C1011CV33-10BAJXE	130	3.65	96	80	0		
BK48MABALL	G	133401	R1	CY7C1011CV33-10BAJXE	130	3.65	96	80	0		
BK48DJALL	G	MR123053	R1	CY62177DV30LL-55BAXIT	130	3.6	128	28	0		
BK48DJALL	G	MR124056	R1	CY62177DV30LL-55BAXI	130	3.6	128	29	0		
BK48DJALL	G	MR131007	R1	CY62177DV30LL-55BAXI	130	3.6	128	30	0		
BK48NZAAGL	G	MR131017	R1	CY14V256LA-BA35XI	130	5.25	128	30	0		
Summary for Package Family: FBGA 0.8, 0.3mm, Pb-free)		(0.75-	13	records							



Summary Detail -- HAST Performance Over Time

										722	0	
Sum												
FBGA (1.0-1.27)												
BB165RNALE	RA	MR123038	R1	CY7C1313KV18-250BZC	130	1.95	128	30	0			
BB165RNALE	RA	MR124010	R1	CY7C1313KV18-250BZC	130	1.95	128	30	0			
BB165RNALE	RA	MR131040	R2	CY7C1313KV18-250BZC	130	1.95	128	30	0			
BB165WALEC	G	MR132027	R2	CY7C1520KV18-250BZC	130	1.95	128	40	0			
Summary for Package Family: FBGA (1.0-1.27)			4	records								
Sum										130	0	
FBGA (1.0-1.27, Pb-free)												
BW165CEALL	G	124106	R2A-Split 2	CY7C1414KV18-250BZXC	130	1.95	128	25	0			
BW165CEALL	G	124106	R3A	CY7C1414KV18-250BZXC	130	1.95	128	76	0			
BW165RNALL	RA	MR123039	R1	CY7C1312KV18-250BZXC	130	1.95	128	30	0			
BW165RNALL	RA	MR124011	R1	CY7C1312KV18-250BZXI	130	1.95	128	30	0			
BW165RNLLC	RA	MR131084	R3	CY7C1148KV18-400BZXC	130	1.95	128	45	0			
BW165RNLLC	RA	MR131084	R1	CY7C1148KV18-400BZXC	130	1.95	128	45	0			
BW165RJALL	RA	125005	R1A	CY7C1414KV18-250BZXC	130	1.95	128	80	0			
BW165RJALL	RA	125005	R2A_Split 1	CY7C1414KV18-250BZXC	130	1.95	128	52	0			
BW165RJALL	RA	125005	R2A_Split 2	CY7C1414KV18-250BZXC	130	1.95	128	27	0			
BW165RJALL	RA	125005	R3A	CY7C1414KV18-250BZXC	130	1.95	128	80	0			
BW165CWLLC	G	MR132027	R1	CY7C1312KV18-300BZXI	130	1.95	128	40	0			
BW165CWLLC	G	MR132027	R3	CY7C1312KV18-250BZXCT	130	1.95	128	45	0			
BW165RNALL	RA	MR131039	R1	CY7C1312KV18-250BZXC	130	1.95	128	30	0			



Summary Detail -- HAST Performance Over Time

BW165RNALL	RA	MR132032	R1	CY7C1312KV18-300BZXI	130	1.95	128	30	0
BW165GALLC	RA	133105	R8	CY7C1518KV18-300BZXI	130	1.95	128	40	0
BW165GALLC	RA	133105	R7	CY7C1518KV18-300BZXI	130	1.95	128	40	0
BW165RNLLC	RA	133105	R9	CY7C1168KV18-550BZXC	130	1.95	128	40	0
BW165CWALL	G	MR133023	R1	CY7C1312LV18-250BZXC	130	1.95	128	30	0
Summary for Package Family: FBGA (1.0-1.27, Pb-free)			18	records					
Sum								785	0
FCBGA									
FR361BALL	G	122002	R3	CY7C4141KV12-600FCXC	130	1.37	264	14	0
FR361BALL	G	122002	R5	CY7C4141K	130	1.37	96	45	0
FR361BALL	G	121904	R2B	CY7C4141K	130	1.37	96	45	0
FR361BALL	G	121904	R1A	CY7C4141KV12-600FCXC	130	1.37	264	14	0
Summary for Package Family: FCBGA			4	records					
Sum								118	0
PBGA (Pb-Free)									
BY119RALLC	G	131010	R1	CY62162G30-45BGXIES	110	3.65	128	39	0
BY119RALLC	G	131010	R1	CY62162G30-45BGXIES	110	3.65	264	40	0
BY119RALLC	G	131010	R1	CY62162G30-45BGXIES	110	3.65	264	40	0
Summary for Package Family: PBGA (Pb-Free)			3	records					
Sum								119	0
PDIP (Pb-Free)									
PZ183DPBGN	RA	MR124052	R1	CY7C63813-PXC	130	5.5	128	30	0



Summary Detail -- HAST Performance Over Time

PZ183DPBGN	RA	MR131032	R1	CY7C63813-PXC	130	5.5	128	30	0
PZ286EAAGN	X	MR131021	R1	CY62256NLL-70PXC	130	5.5	128	12	0
PZ286EAAGN	X	MR132004	R1	CY62256NLL-70PXC	130	5.5	128	15	0
PZ286EAAGN	X	MR133002	R1	CY62256NLL-70PXC	130	5.5	128	30	0
PZ183DPGNC	RA	MR133025	R1	CS6632KAA	130	5.5	128	40	0
PZ183DPGNC	RA	MR133025	R3	CS6632KAA	130	5.5	128	40	0
PZ283CGGAS	M	122903	R1	CY7C199CN-15PXC	130	5.5	192	40	0
PZ183DPBGN	RA	MR132046	R1	CY7C63813-PXC	130	5.5	128	30	0
PZ183DPGNC	RA	MR133025	R2	CS6632KAA	130	5.5	128	40	0
PZ183DPBGN	RA	MR133045	R1	CS6632AF	130	5.5	128	30	0
Summary for Package Family: PDIP (Pb-Free)			11	records				337	0
Sum								337	0
QFN (COL, 0.6mm, Saw Type, Pb-free)									
LG16ABAALL	L	MR124058	R1	CY8C20045-24LKXI	130	5.25	128	30	0
LG16AEAAAL	MB	MR121047	R1	CY8C20236A-24LKXIT	130	5.25	128	29	0
LG16AQAAAL	G	MR124044	R1	CY8C20045-24LKXIT	130	5.25	128	30	0
LG16ARAARC	G	132901	R1	CY8C200555-24LKXIKG	130	5.25	128	80	0
LG16ARAARC	G	132901	R2	CY8C200555-24LKXIKG	130	5.25	128	80	0
LG16ARAARC	G	132901	R3	CY8C200555-24LKXIKG	130	5.25	128	80	0
LG16AEAAAL	MB	MR132056	R1	CY8C20065-24LKXIT	130	5.25	128	30	0
LG16AQAAAL	G	MR133007	R1	CY8C20236A-24LKXIT	130	5.25	128	25	0
LG16AEPAAL	RA	132703	R1	CY8C20045-24LKXI	130	5.25	128	79	0
LG16AEPAAL	RA	132703	R3_Split 1	CY8C20045-24LKXI	130	5.25	128	77	0



Summary Detail -- HAST Performance Over Time

LG16AEPAAL	RA	132703	R3_Split 2	CY8C20045-24LKXI	130	5.25	128	1	0
LG16AEPAAL	RA	132703	R2	CY8C20045-24LKXI	130	5.25	128	77	0
Summary for Package Family:		QFN (COL,	12	records					
0.6mm, Saw Type, Pb-free)		Sum						618	0

QFN (Saw Type, Pb-Free)

LQ48AQAAAL	G	MR121005	R1	CY8CTMA340-48LQI-01T	130	5.5	128	28	0
LQ48AQAAAL	G	MR124012	R1	CY8CTMA340-48LQI-01	130	5.5	128	28	0
LQ32EPDGLC	RA	MR124090	R1	CY8CTST242-LQI-01T	130	5.25	192	34	0
LT48AQAALC	G	MR124094	R3	CY8C20636A-24LTXIT	130	5.25	128	60	0
LQ24AQAALC	G	122602	R2	CYRF8935AK-24LQXC	130	1.98	128	80	0
LQ32EPDGLC	RA	MR124093	R1	CY8CTST242-LQI-01T	130	5.25	128	40	0
LT56BAAALC	G	MR124096	R1	CS6651DAT	130	5.25	128	70	0
LQ24AQAALC	G	122602	R3	CYRF8935AK-24LQXC	130	1.98	128	80	0
LQ48AAAALC	RA	MR131002	R2	CY8CTMA300E-48LQXIT	130	5.5	128	40	0
LQ48AAAALC	RA	MR131002	R3	CY8CTMA300E-48LQXIT	130	5.5	128	40	0
LQ48AAAALC	RA	MR131002	R1	CY8CTMA300E-48LQXIT	130	5.5	128	45	0
LT32BABGLC	RA	MR131001	R2	CY8C21434-24LTXIT	130	5.25	128	40	0
LT32BABGLC	RA	MR131001	R1	CY8C21434-24LTXIT	130	5.25	128	40	0
LT32BABGLC	RA	MR131001	R3	CY8C21434-24LTXIT	130	5.25	128	40	0
LT48AQAALC	G	MR124094	R1	CY8C20636A-24LTXI	130	5.25	128	60	0
LT56BAAALC	G	MR124096	R2	CS6651DAT	130	5.25	128	70	0
LT40ABAALC	G	MR124099	R1	CG7380AM	130	3.63	128	40	0



Summary Detail -- HAST Performance Over Time

LT40ABAALC	G	MR124099	R3	CG7380AM	130	3.63	128	40	0
LQ32EPDGLC	RA	MR124093	R2	CY8CTST242-LQI-01	130	5.25	128	40	0
LT48AQAALC	G	MR124094	R2	CY8C20636A-24LTXI	130	5.25	128	30	0
LT56BAAALC	G	MR124096	R3	CS6651DAT	130	5.25	128	30	0
LQ32EPDGLC	RA	MR124093	R3	CY8CTST242-LQI-01	130	5.75	128	40	0
LT48ABBAAL	MB	MR122032	R1	CP7408AT	130	5.25	128	30	0
LT56BEAGLC	RA	MR131004	R2	CS6651DAT	130	5.25	128	40	0
LT56BEAGLC	RA	MR131004	R1	CS6651DAT	130	5.25	128	39	0
LQ36ABAALC	RA	MR131087	R2	CY8CTMA140-LQI-09T	130	5.5	128	39	0
LT56BEAGLC	RA	MR131004	R3	CS6651DAT	130	5.25	128	40	0
LQ36ABAALC	RA	MR131087	R3	CY8CTMA140-LQI-09T	130	5.5	128	40	0
LQ48AAAAAL	RA	MR123014	R1	CY8CTMA340-48LQI-01	130	5.5	128	28	0
LQ32EPDAGL	RA	123005	R1	CY8C20446A-24LQXI	130	5.25	128	80	0
LQ32EPDAGL	RA	123005	R2	CY8C20446A-24LQXI	130	5.25	128	80	0
LQ32EPDAGL	RA	123005	R3	CY8C20446A-24LQXI	130	5.25	128	80	0
LT32BABGLC	RA	123803	R3	CY7C65215-32LTXIES	130	5.5	128	78	0
LT32BABGLC	RA	123803	R3	CY7C65215-32LTXIES	130	5.5	256	77	0
LT68YAAAAL	G	122704	R6	CYRF89535-68LTXC	130	3.63	128	56	0
LQ24AAAAALC	RA	124105	R1	CY7C65211-24LTXIES	130	1.85	128	78	0
LQ24AAAAALC	RA	124105	R4	CY7C65211-24LTXI	130	1.85	128	77	0
LT68YAAAAL	G	124507	R6	CYRF89535-68LTXC	130	3.63	128	56	0
LT68GAAAAL	G	130903	R1_Split 1	CY8C5568LTI-114	130	5.5	128	55	0
LT68GAAAAL	G	130903	R1_Split 2	CY8C5568LTI-114	130	5.5	128	25	0



Summary Detail -- HAST Performance Over Time

LT68GAAAAL	G	130903	R2	CY8C5568LTI-114	130	5.5	128	79	0
LT68GAAAAL	G	130903	R3	CY8C5568LTI-114	130	5.5	128	80	0
LQ48AAAALC	RA	MR131094	R1	CY8C20667S-24LQXI	130	5.25	128	40	0
LQ48AAAALC	RA	MR131094	R2	CY8C20667-24LQXI	130	5.25	128	40	0
LQ48AAAALC	RA	MR131094	R3	CY8C20647S-24LQXI	130	5.25	128	40	0
LT68YAAAALC	G	MR132035	R1	CY8C3445LTI-079KG	130	5.5	128	40	0
LT68YAAAALC	G	MR132035	R2	CY8C3445LTI-079KG	130	5.5	128	40	0
LT68YAAAALC	G	MR132035	R3	CY8C3445LTI-079KG	130	5.5	128	40	0
LT32BBAAAL	G	MR131016	R1	CG7392AM	130	5.25	128	29	0
LT32BAABGL	RA	MR131047	R1	CG7392AM	130	5.25	128	30	0
LT88BAARC	G	124301	R1	CYUSB3314-88LTXCES	130	3.63	128	78	0
LT88BAARC	G	124301	R2	CYUSB3324-88LTXCES	130	3.63	128	80	0
LT68BAARC	G	124301	R3_Split 1	CYUSB3304-68LTXCES	130	3.63	128	40	0
LT68BAARC	G	124301	R3_Split 2	CYUSB3304-68LTXCES	130	3.63	128	38	0
LQ32EPDAGL	RA	131304	R1	CY8C20446A-24LQXI	130	5.25	128	80	0
LQ32EPDAGL	RA	131304	R2	CY8C20446A-24LQXI	130	5.25	128	79	0
LT68AGAGLC	RA	133308	R1_Split 1	CY8C5868LTI-LP039ES	130	5.5	128	56	0
LT68AGAGLC	RA	133308	R2_Split 1	CY8C5868LTI-LP039ES	130	5.5	128	40	0
LT68AGAGLC	RA	133308	R2_Split 3	CY8C5868LTI-LP039ES	130	5.5	128	16	0
LT68AGAGLC	RA	133308	R3	CY8C5868LTI-LP039ES	130	5.5	128	56	0
LT88ABAAAL	L	MR123003	R1	CY8CTMA616LTI-13	130	5.5	128	30	0
LT88ABAAAL	L	MR131009	R1	CY8CTMA884LTI-13	130	5.5	128	29	0
LT56BEAAGL	RA	MR132012	R1	CS6651DAT	130	5.25	128	30	0



Summary Detail -- HAST Performance Over Time

LQ48AQAALC	G	MR131010	R1	CG7589AA	130	5.5	128	30	0
LQ48AQAAL	G	MR133024	R1	CY8CTMA375-LQI-02	130	4	128	30	0
LT48AQAAL	G	MR124015	R1	CY8CTMG201A-48LTXI	130	5.25	128	30	0
LT48AQAAL	G	MR132021	R1	CP7658AT	130	5.25	128	30	0
LT68BAAALC	RA	124702_Split 1	R1	CYUSB3304-68LTXCES	130	3.63	128	38	0
LT68BAAALC	RA	124702_Split 2	R1	CYUSB3304-68LTXCES	130	3.63	128	37	0
LQ48AEAAAL	RA	131203	R7	CY8CTMA443-48LQIES4	130	5.5	128	80	0
LQ48AEAAAL	RA	131203	R6	CY8CTMA443-48LQIES4	130	5.5	128	79	0
LQ48AEAAAL	RA	131203	R1	CY8CTMA443-48LQIES4	130	5.5	128	80	0
LQ48AEAAAL	RA	131203	R2	CY8CTMA443-48LQIES4	130	5.5	128	79	0
LQ48AEAAAL	RA	131203	R3	CY8CTMA443-48LQIES4	130	5.5	128	80	0
Summary for Package Family:		QFN	74	records					
(Saw Type, Pb-Free)									
Sum								3716	0
QFN (Punch Type, Wettable Flank, Pb-Free)									
LW56DGAZGL	L	131006	R1	CY8CTMA120-56LWXA	130	5.25	96	80	0
LW56DGAZGL	L	131006	R1	CY8CTMA120-56LWXA	130	5.25	128	80	0
Summary for Package Family:		QFN	2	records					
(Punch Type, Wettable Flank, Pb-Free)									
Sum								160	0



Summary Detail -- HAST Performance Over Time

QFN (Punch Type, Pb-Free)

LY56DGAGL	L	MR124029	R1	CY8CTMA120-56LFXAT	130	5.25	96	30	30
LY56DGAGL	L	MR133014	R1	CY8CTMG120-56LFXAT	130	5.25	96	28	28
Summary for Package Family: QFN (Punch Type, Pb-Free)			2	records					
Sum								58	0

QSOP (Pb-Free)

SQ2414ACGN	JT	MR124046	R1	CY7C63823-QXC	130	5.5	128	30	0
Summary for Package Family: QSOP (Pb-Free)			1	records					
Sum								30	0

SNC (Pb-Free)

SY2831BHN	JT	MR124037	R1	CY62256NLL-70SNXA	130	5.5	96	30	0
SY2831BCLN	JT	MR131020	R1	CY62256NLL-70SNXCT	130	5.5	128	30	0
SY2831BHN	JT	MR132025	R1	CG7261ATT	130	5.5	96	30	0
SY2831BCLN	JT	MR133028	R1	CY62256NLL-55SNXIT	130	5.5	128	30	0
Summary for Package Family: SNC (Pb-Free)			4	records					
Sum								120	0

SOIC (Pb Free)

SZ324513AN	JT	MR124038	R1	CY62128BNLL-70SXAT	130	5.5	96	30	0
SZ163DAALL	M	MR123047	R1	CY14B101P-SFXIT	130	3.3	128	30	0
SZ815CGAAS	M	MR131043	R1	CY2305CSXA-1HT	130	3.63	96	30	0
SZ1615KGNC	RA	MR131095	R1	CY2309NZSXC-1HKA	130	3.8	128	40	0



Summary Detail -- HAST Performance Over Time

SZ283PDZLL	JT	130503	R1	CY7C199D-25SXE	130	5.2	96	76	0
SZ283PDZLL	JT	130503	R2	CY7C199D-25SXE	130	5.2	96	77	0
SZ283PDZLL	JT	130503	R3	CY7C199D-25SXE	130	5.2	96	77	0
SZ1615KGNC	RA	MR131095	R2	CY2309NZSXC-1HKA	R3	3.8	128	40	0
SZ1615KGNC	RA	MR131095	R3	CY2309NZSXC-1HKA	130	3.8	128	40	0
SZ32451DLL	JT	MR123019	R1	CY62148ELL-55SXI	130	3.63	128	30	0
SZ1615FAL	T	MR123049	R1	CY8C20160-SX2IT	130	5.25	128	30	0
SZ1615FAL	T	MR131024	R1	CY8C20160-SX2IT	130	5.25	128	30	0
SZ283PDZLL	JT	131602	R1	CY7C199D-25SXE	130	5.2	96	76	0
SZ283PDZLL	JT	131602	R2	CY7C199D-25SXE	130	5.2	96	77	0
SZ283PDZLL	JT	131602	R3	CY7C199D-25SXE	130	5.2	96	77	0
SZ24315EGN	RA	125106	R1	CY7C63743C-SXC	130	5.5	128	80	0
SZ24315EGN	RA	125106	R2	CY7C63743C-SXC	130	5.5	128	80	0
SZ24315EGN	RA	125106	R3	CY7C63743C-SXC	130	5.5	128	80	0
SZ163DAALL	M	130703	R2	CY14B101P-SFXIT	130	3.3	128	77	0
SZ24315EGN	RA	133504	R1	CY7C63743CK4-SXC	130	5.5	128	77	0
SZ24315EGN	RA	133504	R2	CY7C63743CK4-SXC	130	5.5	128	85	0
SZ1615FAL	T	MR132052	R1	CY8C20160-SX2IT	130	5.25	128	30	0
SZ1615FAL	T	MR133013	R1	CY8C20160-SX2IT	130	5.25	128	30	0
SZ183CPANC	RA	MR133039	R1	CY7C63813-SXCKP	130	5.0	128	40	0
SZ183CPANC	RA	MR133039	R2	CY7C63813-SXCKA	130	5.0	128	40	0



Summary Detail -- HAST Performance Over Time

SZ183CPANC	RA	MR133039	R3	CY7C63723C-SXCKA	130	5.5	128	45	0
SZ1615EGNC	M	MR134023	R1	CY2308SXI-4	130	3.8	128	40	0
SZ1615EGNC	M	MR134023	R2	CY2308SXI-4	130	3.8	128	40	0
Summary for Package Family: SOIC (Pb Free)			28	records				1504	0
Sum									
SOJ (Pb-Free)									
VZ32314CLL	JT	MR131023	R1	CY7C1018DV33-10VXIT	130	3.63	128	27	0
VZ28314CLN	JT	MR132028	R1	CY7C199D-10VXIT	130	3.77	128	30	0
VZ3649BBLN	JT	MR133005	R1	CY7C1049DV33-10VXIT	130	3.65	128	30	0
Summary for Package Family: SOJ (Pb-Free)			3	records				87	0
Sum									
SSOP (Pb-Free)									
SP2822BGL	M	MR124030	R1	CY8C21534-24PVXAT	130	5.25	96	30	0
SP202ABGNC	RA	MR131093	R1	CY8C21334-24PVXIKA	130	5.25	128	45	0
SP202AAGNC	RA	MR131093	R2	CY8C27243-24PVXIKA	130	5.25	128	45	0
SP282AAANC	RA	131804	R2	CY8C4245PVI-482	130	5.5	128	78	0
SP282AAANC	RA	131804	R1	CY8C4245PVI-482	130	5.5	128	78	0
SP282AAANC	RA	131804	R3	CY8C4125PVI-482	130	5.5	128	78	0
SP2024CAGL	M	MR131042	R1	CY8C21334-24PVXAT	130	5.25	96	30	0
SP2822BGL	M	MR132013	R1	CG7127AMT	130	5.25	96	30	0
SP282ABBGN	RA	MR131057	R1	CY8C24533-24PVXI	130	5.25	128	30	0
SP282ABGNC	R	MR131093	R3	CY8C21534-24PVXIKA	130	5.25	128	45	0



Summary Detail -- HAST Performance Over Time

SP2814GALC	T	MR133006	R1	CY8C27443-24PVXI	130	5.25	128	45	0
SP2814GALC	T	MR133006	R2	CY8C27443-24PVXI	130	5.25	128	45	0
SP2814GALC	T	MR133006	R3	CY8C27443-24PVXI	130	5.25	128	45	0
SP483MBBGN	RA	125201	R3	CY8C3866PVI-070	130	5.5	128	80	0
SP483MBBGN	RA	125201	R2	CY8C3866PVI-070	130	5.5	128	80	0
SP483MBBGN	RA	125201	R1	CY8C3866PVI-070	130	5.5	128	80	0
SP28CAAARC	JT	133002	R5	CY8C4125PVI-482	130	5.5	128	78	0
SP28CAAARC	JT	133002	R6	CY8C4125PVI-482	130	5.5	128	78	0
SP28CAAARC	JT	133002	R4	CY8C4125PVI-482	130	5.5	128	78	0
SP2024CAGL	M	MR133047	R1	CY8C21334-24PVXAT	130	5.25	96	30	0
SP282ABBGN	RA	MR133043	R1	CY7C64215-28PVXCT	130	5.25	128	30	0
SP2822BGL	M	MR134005	R1	CG7127AMT	130	5.25	96	30	0
SP563DBC GN	JT	MR123029	R1	CY7C68013A-56PVXC	130	3.63	128	28	0
SP563DBC GN	JT	MR132036	R2	CY7C68013A-56PVXC	130	3.63	128	29	0
Summary for Package Family: SSOP (Pb-Free)			24	records				1245	0
Sum								1245	0
TQFP (Pb-Free)									
AZ100RJBLN	R	MR124034	R1	CY7C1350G-200AXCT	130	3.63	128	30	0
AZ44ABAASC	G	123808	R2	CY8C4245AXI-018ES	130	5.5	128	80	0
AZ44ABAASC	G	123808	R3	CY8C4245AXI-018ES	130	5.5	128	80	0
AZ44ABAASC	G	123808	R1	CY8C4245AXI-018ES	130	5.5	128	77	0
AZ64EXGAAL	G	MR131029	R1	CP5790DM	130	5.75	128	30	0
AZ128BGALC	G	MR133001	R1	CY7C64713-128AXC	130	3.63	128	45	0



Summary Detail -- HAST Performance Over Time

AZ128BGALC	G	MR133001	R2	CY7C64713-128AXC	130	3.63	128	45	0
AZ128BGALC	G	MR133001	R3	CY7C64713-128AXC	130	3.63	128	45	0
AZ44ASHLLC	R	133102	R1	CY8C4245AXI-483	130	5.5	128	80	0
AZ44ASHLLC	R	133102	R2	CY8C4245AXI-483	130	5.5	128	80	0
AZ44ASHLLC	R	133102	R3	CY8C4245AXI-483	130	5.5	128	80	0
AZ100SFELL	RA	124501	R1	CY8C3446AXI-099	130	5.5	128	80	0
AZ100RVLN	JT	MR133015	R1	CY7C68320C-100AXA	130	3.63	96	30	0
AZ64IBABLN	JT	MR133067	R1	CY7C53150-20AXI	130	5.75	128	30	0
AZ100RVLN	JT	MR132014	R1	CY7C68320C-100AXA	130	3.63	96	30	0
AZ64EXGAAL	G	MR124024	R1	CP5790DM	130	5.75	128	28	0
AZ100SJALC	R	133902	R1	CY8C3866AXA-040ES5	130	5.5	96	76	0
AZ100SJALC	R	133902	R1	CY8C3866AXA-040ES5	130	5.5	128	75	0
AZ100SJALC	R	133902	R2B	CY8C3846AXE4-175	130	5.5	128	78	0
AZ100SJALC	R	133902	R3	CY8C3846AXE4-175	130	5.5	96	80	0
Summary for Package Family: TQFP (Pb-Free)			20	records				1179	0
Sum								1179	0
TSOP (Pb-free)									
ZT32RAEDLN	RA	MR131041	R1	CY62128ELL-45ZXIT	130	3.6	128	30	0
ZT48ACALL	G	MR131019	R1	CY62167DV30LL-55ZXI	130	3.6	128	30	0
ZT48AKAALL	T	MR131038	R1	CY62167EV30LL-45ZXIT	130	5.5	128	30	0
ZT28R2ABGN	JT	MR131030	R1	CY62256NLL-55ZXAT	130	5.5	96	30	0
ZT32RAEDLN	RA	MR132023	R1	CY62128ELL-45ZXI	130	3.6	128	30	0
ZT48ACALL	G	MR132040	R1	CY62167DV30LL-55ZXI	130	3.6	128	30	0



Summary Detail -- HAST Performance Over Time

ZT28R2BCLN	JT	MR132038	R1	CY62256NLL-55ZXI	130	5.5	128	30	0
ZT32RADLNC	RA	MR132048	R1	CY62128ELL-45ZXIKA	130	3.6	128	45	0
ZT32RADLNC	RA	MR132048	R2	CY62128ELL-45ZXIKA	130	3.6	128	45	0
ZT32RADLNC	RA	MR132048	R3	CY62128ELL-45ZXIKA	130	3.6	128	45	0
ZT48ARALRC	G	131008	R1A	CY62167GE30-45ZXIES	130	3.65	128	80	0
ZT32RAEDLN	RA	MR133004	R1	CY62128ELL-45ZXIT	130	3.6	128	30	0
ZT32RAEDLN	RA	MR134022	R1	CY62128EV30LL-45ZXI	130	3.6	128	30	0
Summary for Package Family: TSOP (Pb-free)			13	records				485	0
Sum								485	0
TSOP I (Pb-Free)									
ZB32RHBLN	JT	MR131025	R1	CY62148ESL-55ZAXAT	130	3.6	96	30	0
ZB32RHCALN	JT	MR132033	R1	CY62128EV30LL-45ZAXIT	130	3.6	128	30	0
Summary for Package Family: TSOP I (Pb-Free)			2	records				60	0
Sum								60	0
TSOP II (Pb-Free)									
ZW444ALLR	G	MR124042	R1	CY7C1051DV33-10ZSXI	130	3.6	128	30	0
ZW324FBGL	T	MR124049	R1	CY7C1019CV33-10ZXAT	130	3.3	96	30	0
ZW444AKDLN	JT	MR124048	R1	CY7C1041CV33-20ZSXET	130	3.65	96	30	0
ZW444AXXAGL	RA	MR131027	R1	CY7C1041DV33-10ZSXIT	130	3.65	128	27	0
ZW324FBGL	T	MR131034	R1	CY7C1019CV33-10ZXAT	130	3.3	96	30	0
ZW444AAGLL	T	MR132041	R1	CY62146EV30LL-45ZSXI	130	3.6	128	30	0
ZW444AOLN	JT	MR132015	R1	CY62146EV30LL-45ZSXA	130	3.6	96	30	0
ZW444AYAGLC	RA	MR132001	R2	CY62137FV30LL-45XIKA	130	3.8	128	42	0



Summary Detail -- HAST Performance Over Time

ZW44AYAGLC	RA	MR132001	R1	CY62137FV30LL-45XIKA	130	3.8	128	42	0
ZW324CBLLC	T	MR132044	R2	CY62148ELL-45ZSXIKO	130	3.6	128	45	0
ZW324CBLLC	T	MR132044	R3	CY62148ELL-45ZSXIKO	130	3.6	128	45	0
ZW324CBLLC	T	MR132044	R1	CY62148ELL-45ZSXIKO	130	3.6	128	45	0
ZW444ALLR	G	MR131008	R1	CY7C1051DV33-12ZSXIT	130	3.65	128	30	0
ZW44AXYAGL	RA	MR132002	R1	CY7C1041DV33-10ZSXI	130	3.68	128	30	0
ZW54ARALRC	G	131009	R1_Split 1	CY7C1061G30-10ZSXIES	130	3.65	128	40	0
ZW54ARALRC	G	131009	R1_Split 2	CY7C1061G30-10ZSXIES	130	3.65	128	40	0
ZW44AXYAGL	RA	MR133003	R1	CY7C1041DV33-10ZSXIT	130	3.65	128	30	0
ZW324FBGL	T	MR133048	R1	CY7C1019CV33-10ZXAT	130	3.63	96	30	0
ZW544AALL	G	MR124006	R1	CY7C1061AV33-10ZXI	130	3.65	128	30	0
ZW444ALLR	G	MR133058	R1	CY7C1051DV33-12ZSXIT	130	3.77	128	30	0
ZW444ALLR	G	MR134006	R1	CY7C1051DV33-10ZSXI	130	3.77	128	30	0
ZW444AKDLN	JT	MR131054	R1	CY7C1041CV33-12ZSXE	130	3.65	96	29	0
ZW44AXYAGL	RA	MR134001	R1	CY7C1041DV33-10ZSXIT	130	3.77	128	30	0
Summary for Package Family: TSOP II (Pb-Free)			23	records				775	0
Sum									
TSSOP (Pb-Free)									
ZZ1620GBAN	RA	MR124001	R1	CY22393FXCT	130	3.6	128	30	0
ZZ1620GBAN	RA	MR131051	R1	CY22392FXC	130	3.63	128	30	0
ZZ1620GBAN	RA	MR132010	R1	CY22394FXCT	130	3.63	128	30	0
ZZ0812BGLC	T	MR133018	R1	CY2304NZZXI-1	130	3.63	128	45	0
ZZ0812BGLC	T	MR133018	R2	CY2304NZZXI-1	130	3.63	128	45	0



Summary Detail -- HAST Performance Over Time

ZZ0812BGLC	T	MR133018	R3	CY2304NZZXI-1	130	3.63	128	45	0
ZZ0812BGL	T	MR133010	R1	CY2304NZZXI-1T	130	3.63	128	29	0
ZZ0812BGLC	T	MR131055	R1	CY2304NZZXC-1KO	130	3.63	128	30	0
Summary for Package Family: TSSOP (Pb-Free)			8	records				284	0
Sum								284	0
VFBGA (0.75-0.8, 0.3mm, Pb-Free)									
BZ48CHALLC	G	MR124088	R3	CY62126EV30LL-45BVXIT	130	3.6	128	45	0
BZ48CKALLC	RA	MR131090	R2	CY7C1041DV33-10BVXIT	130	3.65	128	45	0
BZ48CKALLC	RA	MR131090	R1	CY7C1041DV33-10BVXIT	130	3.65	128	45	0
BZ48CKALLC	RA	MR131090	R3	CY7C1041DV33-10BVXIT	130	3.65	128	45	0
BZ48ZEAALC	RA	130801	R1	CY62157EV30LL-45BVXI	110	1.85	264	77	0
BZ48ZEAALC	RA	130801	R1	CY62157EV30LL-45BVXI	110	1.85	128	77	0
BZ48ARALLC	G	131204	R1	CY62167GE30-45BVXIES	110	3.65	264	80	0
Summary for Package Family: VFBGA 0.8, 0.3mm, Pb-Free)		(0.75-	7	records				414	0
Sum								414	0
PLCC (Pb-Free)									
JZ28SBGAN	M	125107	R1_Split 2	CY7B933-JXC	130	5.5	128	30	0
JZ28SBGAN	M	125107	R2_Split 1	CY7B933-JXC	130	5.5	128	30	0
JZ28SBGAN	M	125107	R2_Split 2	CY7B933-JXC	130	5.5	128	60	0
Summary for Package Family: PLCC (Pb-Free)			3	records				120	0
Sum								120	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	MR124013	R1	CY8CTMA463-60BUI	150	0	1000	30	0		
BU60AAAAAL	G	MR131014	R1	CY8CTMA463-60BUI	150	0	500	30	0		
BU60AAAAAL	G	MR131014	R1	CY8CTMA463-60BUI	150	0	1000	30	0		
BU60AAAAAL	G	MR133055	R1	CY8CTMA463-60BUI	150	0	500	30	0		
BU60AAAAAL	G	MR133055	R1	CY8CTMA463-60BUI	150	0	1000	30	0		
BU60AAAAAL	G	MR141053	R1	CY8CTMA463-60BUI	150	0	500	30	0		
BU60ABAALC	AC	MR133065	R1	CY8CTMA4638-60BUIKC	150	0	500	30	0		
Summary for Package Family: UFBGA (Pb-free)			7	records				210	0		
Sum											
FBGA (0.75-0.8, 0.3mm)											
BA48ZGALE	G	MR131053	R1	CY7C1021BNV33L-15BAI	150	0	500	28	0		
BA48ZGALE	G	MR131053	R1	CY7C1021BNV33L-15BAI	150	0	1000	28	0		
BA48ZGALE	G	MR132030	R1	CY7C1021BNV33L-15BAI	150	0	500	30	0		
BA48ZGALE	G	MR132030	R1	CY7C1021BNV33L-15BAI	150	0	1000	29	0		
Summary for Package Family: FBGA (0.75-0.8, 0.3mm)		(0.75-0.8, 0.3mm)	4	records				115	0		
Sum											
FBGA (0.75-0.8, 0.3mm, Pb-free)											
BK121BGAGL	RA	MR124053	R1	CG7648AM	150	0	500	30	0		
BK48NZAAGL	G	MR124027	R1	CY14V101LA-BA45XIT	150	0	500	30	0		
BK121BGAGL	RA	MR124053	R1	CG7648AM	150	0	1000	30	0		



Summary Detail -- HTS Performance Over Time

BK48DJALL	G	MR124056	R1	CY62177DV30LL-55BAXI	150	0	1000	28	0
BK48DJALL	G	MR131007	R1	CY62177DV30LL-55BAXI	150	0	500	30	0
BK121BGAGL	RA	MR131045	R1	CYUSB3011-BZXC	150	0	500	30	0
BK121BAGLC	RA	MR131085	R1	CG7648AMT	150	0	500	45	0
BK121BAGLC	RA	MR131085	R1	CG7648AMT	150	0	1000	45	0
BK121BAGLC	RA	MR131085	R2	CG7648AMT	150	0	500	45	0
BK121BAGLC	RA	MR131085	R2	CG7648AMT	150	0	1000	45	0
BK121BAGLC	RA	MR131085	R3	CG7648AMT	150	0	500	45	0
BK121BAGLC	RA	MR131085	R3	CG7648AMT	150	0	1000	45	0
BK48DJALL	G	MR131007	R1	CY62177DV30LL-55BAXI	150	0	1000	30	0
BK121BGAGL	RA	MR131045	R1	CYUSB3011-BZXC	150	0	1000	30	0
BK48NZAAGL	G	MR124027	R1	CY14V101LA-BA45XIT	150	0	1000	30	0
BK48NZAAGL	G	MR131017	R1	CY14V256LA-BA35XI	150	0	500	30	0
BK48DJALL	G	MR132047	R1	CY62177DV30LL-55BAXIT	150	0	1000	29	0
BK48DJALL	G	MR132047	R1	CY62177DV30LL-55BAXIT	150	0	500	30	0
BK48NZAAGL	G	MR132049	R1	CY14V101LA-BA45XIT	150	0	500	30	0
BK121BGAGL	RA	MR132055	R1	CG7648AMT	150	0	500	30	0
BK121BGAGL	RA	MR132055	R1	CG7648AMT	150	0	1000	30	0
BK48DJALL	G	MR133008	R1	CY62177DV30LL-55BAXI	150	0	500	30	0
BK48DJALL	G	MR133008	R1	CY62177DV30LL-55BAXI	150	0	1000	30	0
BK121DAGLC	G	MR133038	R1	CG7648AM	150	0	500	45	0
BK121DAGLC	G	MR133038	R1	CG7648AM	150	0	1000	45	0
BK121DAGLC	G	MR133038	R2	CG7648AM	150	0	500	45	0
BK121DAGLC	G	MR133038	R2	CG7648AM	150	0	1000	45	0



Summary Detail -- HTS Performance Over Time

BK121DAGLC	G	MR133038	R3	CG7648AM	150	0	500	45	0
BK121DAGLC	G	MR133038	R3	CG7648AM	150	0	1000	45	0
BK48NZAAGL	G	MR134002	R1	CY14V101LA-BA45XI	150	0	500	30	0
BK121BGAGL	RA	MR134011	R1	CYUSB3011-BZXC	150	0	500	30	0
BK48NZAAGL	G	MR132049	R1	CY14V101LA-BA45XIT	150	0	1000	30	0
BK48MABALL	G	133401	R1	CY7C1011CV33-10BAJXE	150	0	1000	79	0
BK48MABALL	G	131806	R1	CY7C1011CV33-10BAJXE	150	0	1000	79	0
Summary for Package Family: FBGA		(0.75-	34	records					
0.8, 0.3mm, Pb-free)									
Sum							1295	0	

FBGA (1.0-1.27)

BB165BCLLE	G	MR124043	R1	CY7C1354CV25-166BZC	150	0	500	30	0
BB165AVLE	RA	MR132003	R1	CY7C1305TV25-167BZC	150	0	500	30	0
BB165AVLE	RA	MR132003	R1	CY7C1305TV25-167BZC	150	0	1000	30	0
BB165WALEC	G	MR132027	R2	CY7C1520KV18-250BZC	150	0	500	45	0
BB165WALEC	G	MR132027	R2	CY7C1520KV18-250BZC	150	0	1000	45	0
BB165BCLLE	G	MR124043	R1	CY7C1354CV25-166BZC	150	0	1000	30	0
BB100EAALE	G	MR132060	R1	CY7B994V-2BBI	150	0	500	30	0
BB100EAALE	G	MR132060	R1	CY7B994V-2BBI	150	0	1000	30	0
BB165RNLEC	RA	MR133052	R1	CY7C1312KV18-250BZI	150	0	500	30	0
BB165RNLEC	RA	MR133052	R1	CY7C1312KV18-250BZI	150	0	1000	30	0
BB165AVLE	RA	MR134014	R1	CY7C1305TV25-167BZC	150	0	500	30	0
BB165BCLLE	G	MR133057	R1	CY7C1354D-200BZC	150	0	500	30	0
BB165RNALE	RA	MR131040	R1	CY7C1313KV18-250BZC	150	0	500	30	0
BB165RNALE	RA	MR131040	R1	CY7C1313KV18-250BZC	150	0	1000	30	0



Summary Detail -- HTS Performance Over Time

Summary for Package Family: FBGA (1.0-1.27)

14

records

Sum

450

0

FBGA (1.0-1.27, Pb-free)

BW165RNALL	RA	MR124011	R1	CY7C1312KV18-250BZXI	150	0	1000	30	0
BW100EAGL	G	MR124025	R1	CYP15G0101DXB-BBXI	150	0	1000	30	0
BW165RNALL	RA	MR131039	R1	CY7C1312KV18-250BZXC	150	0	500	30	0
BW165RNALL	RA	MR131039	R1	CY7C1312KV18-250BZXC	150	0	1000	30	0
BW100EAGL	G	MR131049	R1	CYP15G0101DXB-BBXI	150	0	500	30	0
BW165RNLLC	RA	MR131084	R1	CY7C1148KV18-400BZXC	150	0	500	45	0
BW165RNLLC	RA	MR131084	R1	CY7C1148KV18-400BZXC	150	0	1000	45	0
BW165RNLLC	RA	MR131084	R2	CY7C1148KV18-400BZXC	150	0	500	45	0
BW165RNLLC	RA	MR131084	R2	CY7C1148KV18-400BZXC	150	0	1000	45	0
BW165RNLLC	RA	MR131084	R3	CY7C1148KV18-400BZXC	150	0	500	45	0
BW165RNLLC	RA	MR131084	R3	CY7C1148KV18-400BZXC	150	0	1000	45	0
BW100EAGL	G	MR131049	R1	CYP15G0101DXB-BBXI	150	0	1000	30	0
BW165CWLLC	G	MR132027	R1	CY7C1312KV18-300BZXI	150	0	500	45	0
BW165CWLLC	G	MR132027	R1	CY7C1312KV18-300BZXI	150	0	1000	45	0
BW165CWLLC	G	MR132027	R3	CY7C1312KV18-250BZXCT	150	0	500	45	0
BW165CWLLC	G	MR132027	R3	CY7C1312KV18-250BZXCT	150	0	1000	45	0
BW165CEALL	G	MR132029	R1	CY7C1414KV18-250BZXI	150	0	500	30	0
BW165CEALL	G	MR132029	R1	CY7C1414KV18-250BZXI	150	0	1000	30	0
BW165RNALL	RA	MR132032	R1	CY7C1312KV18-300BZXI	150	0	500	30	0
BW165RNALL	RA	MR132032	R1	CY7C1312KV18-300BZXI	150	0	1000	30	0
BW165CWALL	G	MR133023	R1	CY7C1312LV18-250BZXC	150	0	500	30	0



Summary Detail -- HTS Performance Over Time

BW165CWALL	G	MR133023	R1	CY7C1312LV18-250BZXC	150	0	1000	30	0
Summary for Package Family: FBGA (1.0-1.27, Pb-free)			22	records					
Sum								810	0
FLIPCHIP CSP (Pb-Free)									
FN49ABDRCD	DT	MR123050	R1	CG7524AMT	150	0	1000	30	0
FN49ABAAAL	AU	MR131037	R1	CP7457ATT	150	0	500	30	0
FN49ABDRCD	DT	MR122049	R1	CG7524AMT	150	0	1000	27	0
FN49ABAAAL	AU	MR131037	R1	CP7457ATT	150	0	1000	30	0
FN49AADRCD	DT	MR132053	R1	CP7653ATT	150	0	500	30	0
FN49AADRCD	DT	MR132053	R1	CP7653ATT	150	0	1000	30	0
FN72	DT	133802	R5	8F38661F-FNI	150	0	500	79	0
FN72	DT	133802	R5	8F38661F-FNI	150	0	1000	79	0
Summary for Package Family: FLIPCHIP CSP (Pb-Free)			8	records					
Sum								335	0
PDIP (Pb-Free)									
PZ286EAAGN	X	MR124047	R1	CY62256NLL-70PXC	150	0	1000	30	0
PZ183DPBGN	RA	MR124052	R1	CY7C63813-PXC	150	0	500	30	0
PZ183DPBGN	RA	MR124052	R1	CY7C63813-PXC	150	0	1000	30	0
PZ286EAAGN	X	MR131021	R1	CY62256NLL-70PXC	150	0	500	30	0
PZ286EAAGN	X	MR131021	R1	CY62256NLL-70PXC	150	0	1000	30	0
PZ183DPBGN	RA	MR131032	R1	CY7C63813-PXC	150	0	500	29	0
PZ286VFRAR	M	122903	R3	CY62256NLL-70PXC	150	0	1000	115	0
PZ286VFRAR	M	122903	R4	CY62256NLL-70PXC	150	0	1000	115	0



Summary Detail -- HTS Performance Over Time

PZ183DPBGN	RA	MR131032	R1	CY7C63813-PXC	150	0	1000	29	0
PZ286EAAGN	X	MR132004	R1	CY62256NLL-70PXC	150	0	500	30	0
PZ286EAAGN	X	MR132004	R1	CY62256NLL-70PXC	150	0	1000	30	0
PZ183DPBGN	RA	MR132046	R1	CY7C63813-PXC	150	0	500	30	0
PZ183DPBGN	RA	MR132046	R1	CY7C63813-PXC	150	0	1000	30	0
PZ286EAAGN	X	MR133002	R1	CY62256NLL-70PXC	150	0	500	30	0
PZ183DPGNC	RA	MR133025	R1	CS6632KAA	150	0	500	45	0
PZ183DPGNC	RA	MR133025	R2	CS6632KAA	150	0	500	45	0
PZ183DPGNC	RA	MR133025	R3	CS6632KAA	150	0	500	45	0
PZ286EAAGN	X	MR133002	R1	CY62256NLL-70PXC	150	0	1000	30	0
PZ183DPGNC	RA	MR133025	R1	CS6632KAA	150	0	1000	45	0
PZ183DPGNC	RA	MR133025	R2	CS6632KAA	150	0	1000	45	0
PZ183DPGNC	RA	MR133025	R3	CS6632KAA	150	0	1000	45	0
PZ183DPBGN	RA	MR133045	R1	CS6632AF	150	0	500	30	0
PZ183DPBGN	RA	MR133045	R1	CS6632AF	150	0	1000	30	0
PZ183DPBGN	RA	MR134021	R1	CY7C63813-PXC	150	0	500	30	0
PZ283CGGAS	M	122903	R1	CY7C199CN-15PXC	150	0	3000	100	0
PZ183DPDGN	RA	124708	R1	CY7C63723C-PXC	150	0	500	100	0
PZ183DPDGN	RA	124708	R1	CY7C63723C-PXC	150	0	1000	95	0
PZ183DPDGN	RA	124708	R2	CY7C63723C-PXC	150	0	500	100	0
PZ183DPDGN	RA	124708	R2	CY7C63723C-PXC	150	0	1000	100	0
PZ183DPDGN	RA	124708	R3	CY7C63723C-PXC	150	0	500	100	0
PZ183DPDGN	RA	124708	R3	CY7C63723C-PXC	150	0	1000	100	0

Summary for Package Family: PDIP (Pb-Free)

31 records



Summary Detail -- HTS Performance Over Time

								1673	0	
Sum										
PLCC (Pb-Free)										
JZ28SBGAN	M	125107	R1	CY7B933-JXC	150	0	1000	112	0	
JZ28SBGAN	M	125107	R2	CY7B933-JXC	150	0	1000	112	0	
JZ32RBGAN	M	MR132007	R1	CY7B991V-5JXIT	150	0	500	30	0	
JZ32RBGAN	M	MR132007	R1	CY7B991V-5JXIT	150	0	1000	30	0	
JZ52SGGAAN	M	MR131011	R1	CY7C131E-55JXCT	150	0	500	30	0	
JZ52SGGAAN	M	MR131011	R1	CY7C131E-55JXCT	150	0	1000	30	0	
JZ52SGGAAN	M	MR134007	R1	CY7C131E-55JXCT	150	0	500	28	0	
Summary for Package Family: PLCC (Pb-Free)			7	records						
Sum								372	0	
PQFP (Pb-free)										
NZ52EAALL	M	MR124009	R1	CY7C131E-55NXC	150	0	1000	22	0	
NZ52DXGAN	G	MR124032	R1	CY7C136-55NXC	150	0	500	30	0	
NZ52EAALL	M	MR131012	R1	CY7C131E-55NXC	150	0	1000	30	0	
NZ52EAALL	M	MR131012	R1	CY7C131E-55NXC	150	0	500	30	0	
NZ52EAALL	M	MR132037	R1	CY7C136E-55NXC	150	0	1000	30	0	
NZ52EAALL	M	MR132037	R1	CY7C136E-55NXC	150	0	500	30	0	
Summary for Package Family: PQFP (Pb-free)			6	records						
Sum								172	0	
QFN (COL, 0.6mm, Saw Type, Pb-free)										
LG16AQAAAL	G	MR124044	R1	CY8C20045-24LKXIT	150	0	500	30	0	
LG16ABAALL	L	MR124058	R1	CY8C20045-24LKXI	150	0	500	30	0	
LG16ABAALL	L	MR124058	R1	CY8C20045-24LKXI	150	0	1000	26	0	



Summary Detail -- HTS Performance Over Time

LG16AQAAAL	G	MR124044	R1	CY8C20045-24LKXIT	150	0	1000	30	0
LG16AEAAAL	MB	MR131005	R1	CG7602AAT	150	0	500	30	0
LG16AEAAAL	MB	MR124033	R1	CY8C20234-12LKXAT	150	0	1000	30	0
LG16AQAAAL	G	MR131015	R1	CG7602AAT	150	0	500	29	0
LG16AQAAAL	G	MR131015	R1	CG7602AAT	150	0	1000	29	0
LG16AEAAAL	MB	MR131005	R1	CG7602AAT	150	0	1000	29	0
LG16AQAAAL	G	MR132006	R1	CG7601AAT	150	0	500	30	0
LG16AQAAAL	G	MR132006	R1	CG7601AAT	150	0	1000	30	0
LG16AEAAAL	MB	MR132056	R1	CY8C20065-24LKXIT	150	0	500	30	0
LG16AEAAAL	MB	MR132056	R1	CY8C20065-24LKXIT	150	0	1000	30	0
LG16AQAAAL	G	MR133007	R1	CY8C20236A-24LKXIT	150	0	500	30	0
LG16AQAAAL	G	MR133007	R1	CY8C20236A-24LKXIT	150	0	1000	30	0
LG16AEPAAL	RA	132703	R1	CY8C20045-24LKXI	150	0	500	87	0
LG16AEPAAL	RA	132703	R1	CY8C20045-24LKXI	150	0	1000	82	0
LG16AEPAAL	RA	132703	R2	CY8C20045-24LKXI	150	0	500	77	0
LG16AEPAAL	RA	132703	R2	CY8C20045-24LKXI	150	0	1000	77	0
LG16AEPAAL	RA	132703	R3	CY8C20045-24LKXI	150	0	500	77	0
LG16AEPAAL	RA	132703	R3	CY8C20045-24LKXI	150	0	1000	77	0
LG16ARAARC	G	132901	R1	CY8C200555-24LKXIKG	150	0	500	83	0
LG16ARAARC	G	132901	R1	CY8C200555-24LKXIKG	150	0	1000	77	0
LG16ARAARC	G	132901	R2	CY8C200555-24LKXIKG	150	0	500	83	0
LG16ARAARC	G	132901	R2	CY8C200555-24LKXIKG	150	0	1000	77	0
LG16ARAARC	G	132901	R3	CY8C200555-24LKXIKG	150	0	500	83	0
LG16ARAARC	G	132901	R3	CY8C200555-24LKXIKG	150	0	1000	78	0



Summary Detail -- HTS Performance Over Time

LG16AQAALC	G	132901	R4	CY8CMBR2044-24LKXIKG	150	0	500	82	0
LG16AQAALC	G	132901	R4	CY8CMBR2044-24LKXIKG	150	0	1000	77	0
LG16AQAALC	G	132901	R5	CY8CMBR2044-24LKXIKG	150	0	500	82	0
LG16AQAALC	G	132901	R5	CY8CMBR2044-24LKXIKG	150	0	1000	77	0
LG16AQAALC	G	132901	R6	CY8CMBR2044-24LKXIKG	150	0	500	82	0
LG16AQAALC	G	132901	R6	CY8CMBR2044-24LKXIKG	150	0	1000	76	0
LG16AQAALC	G	132901	R7	CY8CMBR2044-24LKXIKG	150	0	500	82	0
LG16AQAALC	G	132901	R7	CY8CMBR2044-24LKXIKG	150	0	1000	77	0
LG16ARAARC	G	MR134019	R1	CY8C200654-24LKXIKG	150	0	500	30	0

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

36

records

Sum

2066

0

QFN (Punch Type, Pb-Free)

LY56DGAGL	L	MR124029	R1	CY8CTMA120-56LFXAT	150	0	1000	30	0
LY40CGAGR	L	MR124040	R1	CYRF69103-40LFXC	150	0	500	30	0
LY56DGAGL	L	MR131036	R1	CP7487AT	150	0	1000	30	0
LY24BGAGL	L	MR132008	R1	CY8C21323-24LFXI	150	0	500	30	0
LY24BGAGL	L	MR132008	R1	CY8C21323-24LFXI	150	0	1000	30	0
LY40CGAGR	L	MR124040	R1	CYRF69103-40LFXC	150	0	1000	30	0
LY40CGAGR	L	MR131026	R1	CYRF69103-40LFXC	150	0	500	30	0
LY40CGAGR	L	MR131026	R1	CYRF69103-40LFXC	150	0	1000	30	0
LY56DGAGL	L	MR133014	R1	CY8CTMG120-56LFXAT	150	0	1000	30	0

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

9

records

Sum

270

0



Summary Detail -- HTS Performance Over Time

QFN (Saw Type, Pb-Free)

LQ32QAAALC	G	MR124087	R2	CY8CTST242-LQI-01	150	0	1000	100	0
LQ32QAAALC	G	MR124087	R1	CY8CTST242-LQI-01	150	0	1000	100	0
LQ48AQAALC	G	MR124091	R1	CG7531AMT	150	0	500	80	0
LQ48AQAALC	G	MR124091	R2	CG7531AMT	150	0	500	80	0
LQ48AQAALC	G	MR124091	R3	CG7531AMT	150	0	500	80	0
LQ24AQAALC	G	MR124095	R2	CS7223AA	150	0	500	77	0
LQ24AQAALC	G	MR124095	R3	CS7223AA	150	0	500	77	0
LT56BAAALC	G	MR124096	R2	CS6651DAT	150	0	500	70	0
LT56BAAALC	G	MR124096	R1	CS6651DAT	150	0	500	70	0
LQ24AQAALC	G	MR124095	R1	CS7223AA	150	0	500	77	0
LQ32QAAALC	G	MR124087	R3	CY8CTST242-LQI-01	150	0	1000	100	0
LT48AQAALC	G	MR124094	R2	CY8C20636A-24LTXI	150	0	500	77	0
LT48AQAALC	G	MR124094	R3	CY8C20636A-24LTXIT	150	0	500	77	0
LT48AQAALC	G	MR124094	R1	CY8C20636A-24LTXI	150	0	500	77	0
LQ32EPDGLC	RA	MR124093	R1	CY8CTST242-LQI-01T	150	0	1000	45	0
LQ24AQAALC	G	122602	R3	CYRF8935AK-24LQXC	150	0	500	85	0
LQ24AQAALC	G	122602	R2	CYRF8935AK-24LQXC	150	0	500	85	0
LQ32EPDGLC	RA	MR124093	R3	CY8CTST242-LQI-01	150	0	1000	45	0
LQ32EPDGLC	RA	MR124093	R2	CY8CTST242-LQI-01	150	0	1000	45	0
LT56BAAALC	G	MR124096	R3	CS6651DAT	150	0	500	70	0
LQ48AQAALC	G	MR124091	R1	CG7531AMT	150	0	1000	80	0
LQ48AQAALC	G	MR124091	R2	CG7531AMT	150	0	1000	80	0
LQ48AQAALC	G	MR124091	R3	CG7531AMT	150	0	1000	79	0



Summary Detail -- HTS Performance Over Time

LT56BAAALC	G	MR124096	R1	CS6651DAT	150	0	1000	70	0
LQ48AAAALC	RA	MR131002	R2	CY8CTMA300E-48LQXIT	150	0	500	45	0
LQ48AAAALC	RA	MR131002	R3	CY8CTMA300E-48LQXIT	150	0	500	45	0
LT48ABBAAL	MB	MR113024	R1	CY8C20646A-24LTXI	150	0	1000	27	0
LQ48AAAALC	RA	MR131002	R1	CY8CTMA300E-48LQXIT	150	0	500	45	0
LQ24AQAALC	G	122602	R2	CYRF8935AK-24LQXC	150	0	1000	85	0
LQ24AQAALC	G	122602	R3	CYRF8935AK-24LQXC	150	0	1000	85	0
LQ24AQAALC	G	MR124095	R3	CS7223AA	150	0	1000	77	0
LQ24AQAALC	G	MR124095	R1	CS7223AA	150	0	1000	77	0
LQ24AQAALC	G	MR124095	R2	CS7223AA	150	0	1000	77	0
LT40ABAALC	G	MR124099	R1	CG7380AM	150	0	500	70	0
LT40ABAALC	G	MR124099	R3	CG7380AM	150	0	500	70	0
LT48AQAALC	G	MR124094	R3	CY8C20636A-24LTXIT	150	0	1000	77	0
LT48AQAALC	G	MR124094	R1	CY8C20636A-24LTXI	150	0	1000	77	0
LT48AQAALC	G	MR124094	R2	CY8C20636A-24LTXI	150	0	1000	77	0
LT32BABGLC	RA	MR131001	R2	CY8C21434-24LTXIT	150	0	500	45	0
LT32BABGLC	RA	MR131001	R3	CY8C21434-24LTXIT	150	0	500	45	0
LT32BABGLC	RA	MR131001	R1	CY8C21434-24LTXIT	150	0	500	45	0
LT40ABAALC	G	MR124099	R2	CG7380AM	150	0	500	55	0
LT56BEAGLC	RA	MR131004	R1	CS6651DAT	150	0	500	45	0
LT56BEAGLC	RA	MR131004	R3	CS6651DAT	150	0	500	45	0
LT56BEAGLC	RA	MR131004	R2	CS6651DAT	150	0	500	45	0
LT56BAAALC	G	MR124096	R3	CS6651DAT	150	0	1000	70	0
LT40ABAALC	G	MR123011	R1	CYRF7936-40LTXC	150	0	1000	30	0



Summary Detail -- HTS Performance Over Time

LT48ABBAAL	MB	MR122032	R1	CP7408AT	150	0	1000	30	0
LT40BQAAAL	G	MR124041	R1	CYRF69103-40LTXC	150	0	500	30	0
LT48AQAAAL	G	MR124015	R1	CY8CTMG201A-48LTXI	150	0	500	30	0
LT88ABAAAL	L	MR124017	R1	CY8CTMA884LTI-13	150	0	1000	30	0
LQ24AAAALC	RA	MR131083	R1	CS7223AA	150	0	500	45	0
LQ24AAAALC	RA	MR131083	R3	CS7223AA	150	0	500	45	0
LQ24AAAALC	RA	MR131083	R2	CS7223AA	150	0	500	45	0
LQ32QAAAAL	G	MR123042	R1	CY24292LFXCT	150	0	1000	30	0
LQ36ABAAAL	RA	MR131013	R1	CG7566AFT	150	0	500	30	0
LQ36ABAALC	RA	MR131087	R3	CY8CTMA140-LQI-09T	150	0	500	45	0
LQ36ABAALC	RA	MR131087	R1	CY8CTMA140-LQI-09T	150	0	500	45	0
LQ36ABAALC	RA	MR131087	R2	CY8CTMA140-LQI-09T	150	0	500	45	0
LT32BABGLC	RA	MR131001	R2	CY8C21434-24LTXIT	150	0	1000	45	0
LT32BABGLC	RA	MR131001	R3	CY8C21434-24LTXIT	150	0	1000	45	0
LT32BABGLC	RA	MR131001	R1	CY8C21434-24LTXIT	150	0	1000	45	0
LT56BEAGLC	RA	MR131004	R1	CS6651DAT	150	0	1000	45	0
LT56BEAGLC	RA	MR131004	R3	CS6651DAT	150	0	1000	45	0
LT56BEAGLC	RA	MR131004	R2	CS6651DAT	150	0	1000	45	0
LQ48AAAALC	RA	MR131002	R3	CY8CTMA300E-48LQXIT	150	0	1000	45	0
LQ48AAAALC	RA	MR131002	R2	CY8CTMA300E-48LQXIT	150	0	1000	45	0
LQ48AAAALC	RA	MR131002	R1	CY8CTMA300E-48LQXIT	150	0	1000	45	0
LQ48AQAAAL	G	MR131010	R1	CG7589AA	150	0	500	30	0
LQ24AAAALC	RA	MR131083	R3	CS7223AA	150	0	1000	45	0
LQ24AAAALC	RA	MR131083	R1	CS7223AA	150	0	1000	45	0



Summary Detail -- HTS Performance Over Time

LQ24AAAALC	RA	MR131083	R2	CS7223AA	150	0	1000	45	0
LT32BAABGL	RA	MR131047	R1	CG7392AM	150	0	500	30	0
LQ36ABAAAL	RA	MR131013	R1	CG7566AFT	150	0	1000	30	0
LT68YAAAAL	G	122704	R1	CYRF89535-68LTXC	150	0	1000	79	0
LQ24AAAALC	RA	124105	R1	CY7C65211-24LTXIES	150	0	500	79	0
LQ24AAAALC	RA	124105	R1	CY7C65211-24LTXIES	150	0	1000	79	0
LT48DQAAAL	G	MR121056	R1	CY8C28623-24LTXIT	150	0	1000	30	0
LT40ABAALC	G	MR124099	R2	CG7380AM	150	0	1000	55	0
LT40ABAALC	G	MR124099	R3	CG7380AM	150	0	1000	70	0
LT40ABAALC	G	MR124099	R1	CG7380AM	150	0	1000	70	0
LQ48AQAALC	G	MR131010	R1	CG7589AA	150	0	1000	30	0
LQ36ABAALC	RA	MR131087	R3	CY8CTMA140-LQI-09T	150	0	1000	45	0
LQ36ABAALC	RA	MR131087	R2	CY8CTMA140-LQI-09T	150	0	1000	45	0
LQ36ABAALC	RA	MR131087	R1	CY8CTMA140-LQI-09T	150	0	1000	45	0
LQ48AAAALC	RA	MR131094	R1	CY8C20667S-24LQXI	150	0	500	45	0
LQ48AAAALC	RA	MR131094	R2	CY8C20667-24LQXI	150	0	500	45	0
LQ48AAAALC	RA	MR131094	R3	CY8C20647S-24LQXI	150	0	500	45	0
LQ48AAAALC	RA	MR131094	R1	CY8C20667S-24LQXI	150	0	1000	45	0
LQ48AAAALC	RA	MR131094	R2	CY8C20667-24LQXI	150	0	1000	45	0
LQ48AAAALC	RA	MR131094	R3	CY8C20647S-24LQXI	150	0	1000	45	0
LT56BEAAGL	RA	MR132012	R1	CS6651DAT	150	0	500	30	0
LT56BEAAGL	RA	MR132012	R1	CS6651DAT	150	0	1000	30	0
LQ48AQAALC	G	MR132020	R1	CG7479AM	150	0	500	30	0
LQ48AQAALC	G	MR132020	R1	CG7479AM	150	0	1000	30	0



Summary Detail -- HTS Performance Over Time

LT68YAAALC	G	MR132035	R1	CY8C3445LTI-079KG	150	0	500	45	0
LT68YAAALC	G	MR132035	R2	CY8C3445LTI-079KG	150	0	500	45	0
LT68YAAALC	G	MR132035	R3	CY8C3445LTI-079KG	150	0	500	45	0
LT88ABAAAL	L	MR131009	R1	CY8CTMA884LTI-13	150	0	500	28	0
LT48AQAAAL	G	MR132021	R1	CP7658AT	150	0	500	30	0
LT40BQAAAL	G	MR132022	R1	CYRF69103-40LTXC	150	0	500	30	0
LT40BQAAAL	G	MR132022	R1	CYRF69103-40LTXC	150	0	1000	28	0
LT68YAAALC	G	MR132035	R1	CY8C3445LTI-079KG	150	0	1000	45	0
LT68YAAALC	G	MR132035	R2	CY8C3445LTI-079KG	150	0	1000	45	0
LT88ABAAAL	L	MR132042	R1	CY8CTMA616LTI-13	150	0	500	30	0
LQ48AQAAAL	G	MR133024	R1	CY8CTMA375-LQI-02	150	0	500	30	0
LT56BAAALC	G	MR133033	R1	CY7C68014A-56LTXC	150	0	500	30	0
LT88ABAAAL	L	MR131009	R1	CY8CTMA884LTI-13	150	0	1000	28	0
LT48AQAAAL	G	MR132021	R1	CP7658AT	150	0	1000	30	0
LT88ABAAAL	L	MR132042	R1	CY8CTMA616LTI-13	150	0	1000	30	0
LQ48AQAAAL	G	MR133024	R1	CY8CTMA375-LQI-02	150	0	1000	30	0
LT56BAAALC	G	MR133033	R1	CY7C68014A-56LTXC	150	0	1000	30	0
LT56BPAAGL	RA	MR133042	R1	CS7275AAT	150	0	500	30	0
LT56BPAAGL	RA	MR133042	R1	CS7275AAT	150	0	1000	30	0
LQ24AAAAALC	RA	MR133046	R1	CS7223AA	150	0	500	30	0
LQ24AAAAALC	RA	MR133046	R1	CS7223AA	150	0	1000	30	0
LT40BQAAAL	G	MR133059	R1	CYRF69103-40LTXC	150	0	500	30	0
LQ44FQAALC	G	MR134009	R1	CY8CTMA442-44LQI	150	0	500	30	0
LQ48ABAALC	RA	MR134013	R1	CYTMA545-48LQI36ZZ	150	0	500	30	0



Summary Detail -- HTS Performance Over Time

LT32BBAAL	G	MR134020	R1	CS7453ATT	150	0	500	28	0
LT48AQAAL	G	MR124015	R1	CY8CTMG201A-48LTXI	150	0	1000	30	0
LQ48AAAALC	RA	134202	R4	CY8CTMA445-48LQIES2	150	0	500	80	0
LQ48AAAALC	RA	134202	R4	CY8CTMA445-48LQIES2	150	0	1000	80	0
LQ48AAAALC	RA	134202	R5	CY8CTMA445-48LQIES2	150	0	500	80	0
LQ48AAAALC	RA	134202	R5	CY8CTMA445-48LQIES2	150	0	1000	80	0
LQ48AAAALC	RA	134202	R6	CY8CTMA445-48LQIES2	150	0	500	80	0
LQ48AAAALC	RA	134202	R6	CY8CTMA445-48LQIES2	150	0	1000	80	0
LQ48AAAAAL	RA	134202	R7	CY8CTMA445-48LQIES2	150	0	500	80	0
LQ48AAAAAL	RA	134202	R7	CY8CTMA445-48LQIES2	150	0	1000	80	0
LQ48AAAAAL	RA	134202	R8	CY8CTMA445-48LQIES2	150	0	500	80	0
LQ48AAAAAL	RA	134202	R8	CY8CTMA445-48LQIES2	150	0	1000	80	0
LT68AGAGLC	RA	133308	R3	CY8C5868LTI-LP039ES	150	0	500	80	0
LT68AGAGLC	RA	133308	R1	CY8C5868LTI-LP039ES	150	0	500	80	0
LT68AGAGLC	RA	133308	R2	CY8C5868LTI-LP039ES	150	0	500	80	0
LT68AGAGLC	RA	133308	R2	CY8C5868LTI-LP039ES	150	0	1000	80	0
LT68AGAGLC	RA	133308	R3	CY8C5868LTI-LP039ES	150	0	1000	80	0
LT68AGAGLC	RA	133308	R1	CY8C5868LTI-LP039ES	150	0	1000	79	0
LQ32EPDAGL	RA	131304	R1	CY8C20446A-24LQXI	150	0	500	80	0
LQ32EPDAGL	RA	131304	R1	CY8C20446A-24LQXI	150	0	1000	80	0
LQ32EPDAGL	RA	131304	R2	CY8C20446A-24LQXI	150	0	500	80	0
LQ32EPDAGL	RA	131304	R2	CY8C20446A-24LQXI	150	0	1000	80	0
LT68BAAALC	RA	124702	R1	CYUSB3304-68LTXCES	150	0	500	80	0
LT68BAAALC	RA	124702	R1	CYUSB3304-68LTXCES	150	0	1000	79	0



Summary Detail -- HTS Performance Over Time

LT88BAARC	G	124301	R1	CYUSB3314-88LTXCES	150	0	500	80	0
LT88BAARC	G	124301	R1	CYUSB3314-88LTXCES	150	0	1000	80	0
LT40BQAAAL	G	MR131050	R1	CYRF69103-40LTXC	150	0	1000	21	0
Summary for Package Family: QFN (Saw Type, Pb-Free)			146	records				8068	0
Sum								8068	0
DFN , 0.8mm Thickness (Saw Type)									
LH08AAALL	MB	MR123046	R1	CY14B101Q2-LHXI	150	0	1000	30	0
LH08AAALL	MB	MR124022	R1	CY14B101Q2-LHXI	150	0	500	30	0
LH08AAALL	MB	MR124022	R1	CY14B101Q2-LHXI	150	0	1000	30	0
Summary for Package Family: QFN (0.8mm Saw Type, Pb-Free)			3	records				90	0
Sum								90	0
QSOP (Pb-Free)									
SQ2414ACGN	JT	MR121036	R1	CY7C63823-QXC	150	0	1000	30	0
SQ2414ACGN	JT	MR123030	R1	CY7C63823-QXC	150	0	1000	28	0
SQ2414ACGN	JT	MR124046	R1	CY7C63823-QXC	150	0	500	30	0
SQ2414ACGN	JT	MR124046	R1	CY7C63823-QXC	150	0	1000	30	0
SQ2414ACGN	JT	MR131044	R1	CY7C63823-QXC	150	0	500	30	0
SQ2414ACGN	JT	MR133034	R1	CY7C63823-QXC	150	0	500	30	0
Summary for Package Family: QSOP (Pb-Free)			6	records				178	0
Sum								178	0
SNC (Pb-Free)									
SY2831BHN	JT	MR124037	R1	CY62256NLL-70SNXA	150	0	1000	30	0
SY2831BCLN	JT	MR131020	R1	CY62256NLL-70SNXCT	150	0	500	30	0



Summary Detail -- HTS Performance Over Time

SY2831BCLN	JT	MR131020	R1	CY62256NLL-70SNXCT	150	0	1000	30	0
SY2831BHN	JT	MR132025	R1	CG7261ATT	150	0	1000	30	0
SY2831BCLN	JT	MR133028	R1	CY62256NLL-55SNXIT	150	0	500	30	0
SY2831BCLN	JT	MR133028	R1	CY62256NLL-55SNXIT	150	0	1000	30	0
Summary for Package Family: SNC (Pb-Free)			6	records					
Sum								180	0
SOIC (Pb Free)									
SZ323AEGAS	M	MR114024	R1	CY14B101LA-SZ45XIT	150	0	1000	30	0
SZ1615FAL	T	MR122044	R1	CY8C20180-SX2I	150	0	1000	30	0
SZ32451DLL	JT	MR123019	R1	CY62148ELL-55SXI	150	0	1000	30	0
SZ163DAALL	M	MR123047	R1	CY14B101P-SFXIT	150	0	1000	28	0
SZ1615FAL	T	MR123049	R1	CY8C20160-SX2IT	150	0	1000	29	0
SZ323AEGAS	M	MR124019	R1	CY14B101LA-SZ45XIT	150	0	500	30	0
SZ323AEGAS	M	MR124019	R1	CY14B101LA-SZ45XIT	150	0	1000	29	0
SZ1615FAL	T	MR124021	R1	CY8C20234-12SXIT	150	0	500	30	0
SZ32451BLN	JT	MR124026	R1	CY7C53120E2-10SXI	150	0	500	30	0
SZ324513AN	JT	MR124038	R1	CY62128BNLL-70SXAT	150	0	1000	30	0
SZ24315DGN	RA	MR124054	R1	CY7C63823-SXC	150	0	500	30	0
SZ24315DGN	RA	MR124054	R1	CY7C63823-SXC	150	0	1000	30	0
SZ183CPEAN	RA	MR131031	R1	CY7C63723C-SXC	150	0	500	30	0
SZ183CPEAN	RA	MR131031	R1	CY7C63723C-SXC	150	0	1000	30	0
SZ815PAGNC	RA	MR131086	R1	CY22801KSXC-020KA	150	0	500	45	0
SZ815PAGNC	RA	MR131086	R2	CY22801KSXC-021KA	150	0	500	45	0
SZ815PAGNC	RA	MR131086	R3	CY22801KSXC-020KA	150	0	500	45	0



Summary Detail -- HTS Performance Over Time

SZ323AEGAS	M	124706	R2	CY14B256LA-SZ25XI	150	0	1000	112	0
SZ323AEGAS	M	124706	R3	CY14B256LA-SZ25XI	150	0	1000	120	0
SZ283PDZLL	JT	131602	R1	CY7C199D-25SXE	150	0	1000	77	0
SZ283PDZLL	JT	130503	R1	CY7C199D-25SXE	150	0	1000	77	0
SZ323AEGAS	M	MR121044	R1	CY14E256LA-SZ25XI	150	0	1000	30	0
SZ815CGAAS	M	MR131043	R1	CY2305CSXA-1HT	150	0	1000	30	0
SZ815PAGNC	RA	MR131086	R1	CY22801KSXC-020KA	150	0	1000	45	0
SZ815PAGNC	RA	MR131086	R2	CY22801KSXC-021KA	150	0	1000	45	0
SZ815PAGNC	RA	MR131086	R3	CY22801KSXC-020KA	150	0	1000	45	0
SZ1615KGNC	RA	MR131095	R1	CY2309NZSXC-1HKA	150	0	500	45	0
SZ1615KGNC	RA	MR131095	R1	CY2309NZSXC-1HKA	150	0	1000	45	0
SZ1615KGNC	RA	MR131095	R2	CY2309NZSXC-1HKA	150	0	500	45	0
SZ1615KGNC	RA	MR131095	R2	CY2309NZSXC-1HKA	150	0	1000	45	0
SZ1615KGNC	RA	MR131095	R3	CY2309NZSXC-1HKA	150	0	500	45	0
SZ1615KGNC	RA	MR131095	R3	CY2309NZSXC-1HKA	150	0	1000	45	0
SZ28327CGL	JT	MR132018	R1	CY8C21345-24SXI	150	0	500	30	0
SZ28327CGL	JT	MR132018	R1	CY8C21345-24SXI	150	0	1000	30	0
SZ1615FAL	T	MR124021	R1	CY8C20234-12SXIT	150	0	1000	30	0
SZ32451BLN	JT	MR124026	R1	CY7C53120E2-10SXI	150	0	1000	30	0
SZ1615FAL	T	MR131024	R1	CY8C20160-SX2IT	150	0	500	30	0
SZ1615FAL	T	MR131024	R1	CY8C20160-SX2IT	150	0	1000	30	0
SZ1615FAL	T	MR132052	R1	CY8C20160-SX2IT	150	0	500	30	0
SZ1615FAL	T	MR132052	R1	CY8C20160-SX2IT	150	0	1000	30	0
SZ1615LDGN	RA	MR132054	R1	CY7C63801-SXC	150	0	500	30	0



Summary Detail -- HTS Performance Over Time

SZ24315EGN	RA	125106	R1	CY7C63743C-SXC	150	0	1000	92	0
SZ24315EGN	RA	125106	R2	CY7C63743C-SXC	150	0	1000	100	0
SZ24315EGN	RA	125106	R3	CY7C63743C-SXC	150	0	1000	100	0
SZ1615LDGN	RA	MR132054	R1	CY7C63801-SXC	150	0	1000	30	0
SZ323AEGAS	M	MR132058	R1	CY14B256LA-SZ25XIT	150	0	500	29	0
SZ323AEGAS	M	MR132058	R1	CY14B256LA-SZ25XIT	150	0	1000	29	0
SZ1615FAL	T	MR133013	R1	CY8C20160-SX2IT	150	0	500	30	0
SZ1615FAL	T	MR133013	R1	CY8C20160-SX2IT	150	0	1000	30	0
SZ815CGAAS	M	MR133022	R1	CY2305CSXA-1HT	150	0	1000	30	0
SZ183CPANC	RA	MR133039	R2	CY7C63813-SXCKA	150	0	500	45	0
SZ183CPANC	RA	MR133039	R1	CY7C63813-SXCKP	150	0	500	45	0
SZ183CPANC	RA	MR133039	R3	CY7C63723C-SXCKA	150	0	500	45	0
SZ1615EGNC	M	MR134023	R1	CY2308SXI-4	150	0	500	45	0
SZ1615EGNC	M	MR134023	R2	CY2308SXI-4	150	0	500	45	0
SZ1615EGNC	M	MR134023	R3	CY2308SXI-4	150	0	500	45	0
Summary for Package Family: SOIC (Pb Free)			56	records				2412	0
Sum								2412	0
SOJ									
V2835BGBLN	JT	MR131022	R1	CY7C185-15VIT	150	0	500	30	0
V2835BGBLN	JT	MR131022	R1	CY7C185-15VIT	150	0	1000	30	0
V2835BGBLN	JT	MR132043	R1	CY7C185-15VI	150	0	500	28	0
V2835BGBLN	JT	MR132043	R1	CY7C185-15VI	150	0	1000	27	0
V2835BGBLN	JT	MR133029	R1	CY7C185-15VIT	150	0	500	30	0
V2835BGBLN	JT	MR133029	R1	CY7C185-15VIT	150	0	1000	29	0



Summary Detail -- HTS Performance Over Time

Summary for Package Family:

6 records

SOJ

Sum

174 0

SOJ (Pb-Free)

VZ32314CLL	JT	MR131023	R1	CY7C1018DV33-10VXIT	150	0	500	30	0
VZ32314CLL	JT	MR131023	R1	CY7C1018DV33-10VXIT	150	0	1000	30	0
V2835BGBLN	JT	MR131022	R1	CY7C185-15VIT	150	0	500	30	0
V2835BGBLN	JT	MR131022	R1	CY7C185-15VIT	150	0	1000	30	0
VZ28314CLN	JT	MR132028	R1	CY7C199D-10VXIT	150	0	500	30	0
VZ28314CLN	JT	MR132028	R1	CY7C199D-10VXIT	150	0	1000	30	0
VZ3649BBLN	JT	MR133005	R1	CY7C1049DV33-10VXIT	150	0	500	32	0
VZ3649BBLN	JT	MR133005	R1	CY7C1049DV33-10VXIT	150	0	1000	32	0
VZ444ACCLN	JT	MR134033	R1	CY7C1021DV33-10VXI	150	0	500	30	0

Summary for Package Family: SOJ (Pb-Free)

9 records

Sum

274 0

SSOP (Pb-Free)

SP563DBC GN	JT	MR123029	R1	CY7C68013A-56PVXC	150	0	1000	30	0
SP483FBKGN	RA	MR124020	R1	CY8C20566A-24PVXIT	150	0	1000	26	0
SP2822BGL	M	MR124030	R1	CY8C21534-24PVXAT	150	0	1000	30	0
SP28214GL	T	MR124035	R1	CY8C24423A-24PVXI	150	0	1000	30	0
SP483JBCLL	JT	MR124036	R1	CY14B101LA-SP45XIT	150	0	500	30	0
SP563DBC GN	JT	MR131048	R1	CY7C68013A-56PVXC	150	0	500	30	0
SP202ABGNC	RA	MR131093	R1	CY8C21334-24PVXIKA	150	0	500	28	0
SP202AAGNC	RA	MR131093	R2	CY8C27243-24PVXIKA	150	0	500	45	0
SP2024CAGL	M	MR131042	R1	CY8C21334-24PVXAT	150	0	1000	30	0



Summary Detail -- HTS Performance Over Time

SP563DBC GN	JT	MR131048	R1	CY7C68013A-56PVXC	150	0	1000	30	0
SP282ABBG N	RA	MR131057	R1	CY8C24533-24PVXI	150	0	500	30	0
SP282ABBG N	RA	MR131057	R1	CY8C24533-24PVXI	150	0	1000	30	0
SP202ABGNC	RA	MR131093	R1	CY8C21334-24PVXIK A	150	0	1000	28	0
SP202ABGNC	RA	MR131093	R1	CY8C21334-24PVXIK A	150	0	1000	17	0
SP202AAGNC	RA	MR131093	R2	CY8C27243-24PVXIK A	150	0	1000	45	0
SP282ABGNC	R	MR131093	R3	CY8C21534-24PVXIK A	150	0	500	45	0
SP282ABGNC	R	MR131093	R3	CY8C21534-24PVXIK A	150	0	1000	45	0
SP2822BGL	M	MR132013	R1	CG7127AMT	150	0	1000	30	0
SP563DBC GN	JT	MR132036	R1	CY7C68013A-56PVXC	150	0	500	30	0
SP483FBBG N	RA	MR132045	R1	CY7C63413C-PVXC	150	0	500	30	0
SP483JBCLL	JT	MR124036	R1	CY14B101LA-SP45XIT	150	0	1000	30	0
SP202AAHAL	T	MR131056	R1	CY2CC910OXIT	150	0	1000	28	0
SP563DBC GN	JT	MR132036	R1	CY7C68013A-56PVXC	150	0	1000	30	0
SP483FBBG N	RA	MR132045	R1	CY7C63413C-PVXC	150	0	1000	30	0
SP202AAHAL	T	MR132050	R1	CY2CC910OXIT	150	0	500	30	0
SP202AAHAL	T	MR132050	R1	CY2CC910OXIT	150	0	1000	29	0
SP2814GALC	T	MR133006	R1	CY8C27443-24PVXI	150	0	500	45	0
SP2814GALC	T	MR133006	R2	CY8C27443-24PVXI	150	0	500	45	0
SP2814GALC	T	MR133006	R3	CY8C27443-24PVXI	150	0	500	45	0
SP202AAHAL	T	MR133009	R1	CY2CC910OXI	150	0	500	30	0
SP202AAHAL	T	MR133009	R1	CY2CC910OXI	150	0	1000	30	0
SP282ABBG N	RA	MR133043	R1	CY7C64215-28PVXCT	150	0	500	30	0
SP282ABBG N	RA	MR133043	R1	CY7C64215-28PVXCT	150	0	1000	30	0



Summary Detail -- HTS Performance Over Time

SP2024CAGL	M	MR133047	R1	CY8C21334-24PVXAT	150	0	1000	30	0
SP563DBC GN	JT	MR133054	R1	CY7C68013A-56PVXC	150	0	500	30	0
SP563DBC GN	JT	MR134015	R1	CY7C68013A-56PVXC	150	0	500	30	0
SP28CAAARC	JT	133002	R6	CY8C4125PVI-482	150	0	500	81	0
SP28CAAARC	JT	133002	R5	CY8C4125PVI-482	150	0	500	80	0
SP28CAAARC	JT	133002	R4	CY8C4125PVI-482	150	0	500	82	0
SP28CAAARC	JT	133002	R6	CY8C4125PVI-482	150	0	1000	81	0
SP28CAAARC	JT	133002	R4	CY8C4125PVI-482	150	0	1000	82	0
SP28CAAARC	JT	133002	R5	CY8C4125PVI-482	150	0	1000	80	0
SP28CAAARC	JT	133002	R1	CY8C4125PVI-482	150	0	500	80	0
SP28CAAARC	JT	133002	R1	CY8C4125PVI-482	150	0	1000	80	0
SP282AAANC	RA	133102	R4	CY8C4245PVI-009ES	150	0	500	77	0
SP282AAANC	RA	133102	R4	CY8C4245PVI-009ES	150	0	1000	76	0
Summary for Package Family: SSOP (Pb-Free)			46	records				1960	0
Sum									
TQFP (Pb-Free)									
AZ128SACLL	JT	MR131052	R1	CY7C68013A-128AXC	150	0	500	30	0
AZ128SACLL	JT	MR131052	R1	CY7C68013A-128AXC	150	0	1000	30	0
AZ100RVLN	JT	MR132014	R1	CY7C68320C-100AXA	150	0	1000	30	0
AZ44SGBHAN	JT	MR132017	R1	CY8C22545-24AXI	150	0	500	30	0
AZ44SGBHAN	JT	MR132017	R1	CY8C22545-24AXI	150	0	1000	30	0
AZ100RMBLN	RA	MR132034	R1	CY7C1370D-167AXC	150	0	500	30	0
AZ100RMBLN	RA	MR132034	R1	CY7C1370D-167AXC	150	0	1000	30	0
AZ64EXGAAL	G	MR124024	R1	CP5790DM	150	0	500	30	0



Summary Detail -- HTS Performance Over Time

AZ64EXGAAL	G	MR124024	R1	CP5790DM	150	0	1000	30	0
AZ100KGAN	G	MR124050	R1	CY7C024AV-25AXI	150	0	500	30	0
AZ100KGAN	G	MR124050	R1	CY7C024AV-25AXI	150	0	1000	30	0
AZ100SFGL	JT	MR124059	R1	CY7C67300-100AXA	150	0	1000	30	0
AZ52AAGAL	Q	MR121039	R1	CY29972AXI	150	0	1000	30	0
AZ100RJBLN	R	MR124034	R1	CY7C1350G-200AXCT	150	0	1000	30	0
AZ32LXGAN	L	MR124060	R1	CY29948AXI	150	0	1000	30	0
AZ32LXGAN	L	MR124060	R1	CY29948AXI	150	0	500	30	0
AZ64EXGAAL	G	MR131029	R1	CP5790DM	150	0	1000	30	0
AZ64EXGAAL	G	MR131029	R1	CP5790DM	150	0	500	30	0
AZ32LXGAN	L	MR132019	R1	CY29948AXIT	150	0	1000	30	0
AZ32LXGAN	L	MR132019	R1	CY29948AXIT	150	0	500	30	0
AZ128BGALC	G	MR133001	R1	CY7C64713-128AXC	150	0	500	45	0
AZ128BGALC	G	MR133001	R1	CY7C64713-128AXC	150	0	1000	45	0
AZ128BGALC	G	MR133001	R2	CY7C64713-128AXC	150	0	500	45	0
AZ128BGALC	G	MR133001	R2	CY7C64713-128AXC	150	0	1000	45	0
AZ128BGALC	G	MR133001	R3	CY7C64713-128AXC	150	0	500	45	0
AZ128BGALC	G	MR133001	R3	CY7C64713-128AXC	150	0	1000	45	0
AZ128BGALC	G	MR133001	R1	CY7C64713-128AXC	150	0	3000	45	0
AZ128BGALC	G	MR133001	R3	CY7C64713-128AXC	150	0	3000	45	0
AZ100RVLN	JT	MR133015	R1	CY7C68320C-100AXA	150	0	1000	30	0
AZ64EXGAAL	G	MR133016	R1	CP5790DM	150	0	500	30	0
AZ64EXGAAL	G	MR133016	R1	CP5790DM	150	0	1000	30	0
AZ32MAAGSC	G	MR133040	R1	CY7B9950AXCKG	150	0	500	45	0



Summary Detail -- HTS Performance Over Time

AZ32MAAGSC	G	MR133040	R2	CY7B9950AXCKG	150	0	500	45	0
AZ32MAAGSC	G	MR133040	R3	CY7B9950AXCKG	150	0	500	45	0
AZ64IBABLN	JT	MR133067	R1	CY7C53150-20AXI	150	0	500	30	0
AZ128BGALC	G	120201	R6	CY7C64713-128AXC	150	0	500	45	0
AZ128BGALC	G	120201	R6	CY7C64713-128AXC	150	0	1000	45	0
AZ128BGALC	G	120201	R6	CY7C64713-128AXC	150	0	3000	45	0
AZ44ASHLLC	R	133102	R1	CY8C4245AXI-483	150	0	500	79	0
AZ44ASHLLC	R	133102	R1	CY8C4245AXI-483	150	0	1000	79	0
AZ44ASHLLC	R	133102	R2	CY8C4245AXI-483	150	0	500	80	0
AZ44ASHLLC	R	133102	R2	CY8C4245AXI-483	150	0	1000	80	0
AZ44ASHLLC	R	133102	R3	CY8C4245AXI-483	150	0	500	79	0
AZ44ASHLLC	R	133102	R3	CY8C4245AXI-483	150	0	1000	79	0
Summary for Package Family: TQFP (Pb-Free)			44	records				1826	0
Sum									
TSOP (Pb-free)									
ZT28R2ABGN	JT	MR124039	R1	CY62256NLL-55ZXAT	150	0	1000	30	0
ZT32RAEDLN	RA	MR131041	R1	CY62128ELL-45ZXIT	150	0	500	30	0
ZT48ACALL	G	MR131019	R1	CY62167DV30LL-55ZXI	150	0	500	30	0
ZT28R2ABGN	JT	MR131030	R1	CY62256NLL-55ZXAT	150	0	1000	30	0
ZT48AKAALL	T	MR131038	R1	CY62167EV30LL-45ZXIT	150	0	500	30	0
ZT32RAEDLN	RA	MR131041	R1	CY62128ELL-45ZXIT	150	0	1000	30	0
ZT32RAEDLN	RA	MR132023	R1	CY62128ELL-45ZXI	150	0	500	30	0
ZT32RAEDLN	RA	MR132023	R1	CY62128ELL-45ZXI	150	0	1000	30	0
ZT48ACALL	G	MR132040	R1	CY62167DV30LL-55ZXI	150	0	500	30	0



Summary Detail -- HTS Performance Over Time

ZT48AJAALL	T	MR124057	R1	CY62157EV30LL-45ZXA	150	0	1000	30	30
ZT48ACALL	G	MR131019	R1	CY62167DV30LL-55ZXI	150	0	1000	30	30
ZT48AKAALL	T	MR131038	R1	CY62167EV30LL-45ZXIT	150	0	1000	30	30
ZT28R2BCLN	JT	MR132038	R1	CY62256NLL-55ZXI	150	0	1000	30	30
ZT28R2BCLN	JT	MR132038	R1	CY62256NLL-55ZXI	150	0	500	30	30
ZT48ACALL	G	MR132040	R1	CY62167DV30LL-55ZXI	150	0	1000	30	30
ZT32RADLNC	RA	MR132048	R1	CY62128ELL-45ZXIKA	150	0	500	45	45
ZT32RADLNC	RA	MR132048	R1	CY62128ELL-45ZXIKA	150	0	1000	45	45
ZT32RADLNC	RA	MR132048	R2	CY62128ELL-45ZXIKA	150	0	500	45	45
ZT32RADLNC	RA	MR132048	R2	CY62128ELL-45ZXIKA	150	0	1000	45	45
ZT32RADLNC	RA	MR132048	R3	CY62128ELL-45ZXIKA	150	0	500	45	45
ZT32RADLNC	RA	MR132048	R3	CY62128ELL-45ZXIKA	150	0	1000	45	45
ZT32RBBALL	T	MR132051	R1	CY62128ELL-45ZXAT	150	0	1000	30	30
ZT32RAEDLN	RA	MR133004	R1	CY62128ELL-45ZXIT	150	0	500	30	30
ZT48ARALRC	G	131008	R1	CY62167GE30-45ZXIES	150	0	500	79	0
ZT48ARALRC	G	131008	R1	CY62167GE30-45ZXIES	150	0	1000	79	0
ZT28R2ABGN	JT	MR133035	R1	CY62256NLL-55ZXAT	150	0	1000	30	0
ZT32RAEDLN	RA	MR134022	R1	CY62128EV30LL-45ZXI	150	0	500	30	0
ZT32RAEDLN	RA	MR133004	R1	CY62128ELL-45ZXIT	150	0	1000	21	0
ZT48AKAALL	T	MR133011	R1	CY62167EV30LL-45ZXI	150	0	500	30	0
Summary for Package Family: TSOP (Pb-free)			29	records				1049	0
Sum								1049	0
TSOP I (Pb-Free)									
ZB32RHBLN	JT	MR131025	R1	CY62148ESL-55ZAXAT	150	0	1000	30	0



Summary Detail -- HTS Performance Over Time

ZB32RHCALN	JT	MR132033	R1	CY62128EV30LL-45ZAXIT	150	0	500	30	0
ZB32RHCALN	JT	MR132033	R1	CY62128EV30LL-45ZAXIT	150	0	1000	30	0
ZB32RHBLN	JT	MR133041	R1	CY62148ESL-55ZAXA	150	0	1000	30	0
Summary for Package Family: TSOP I (Pb-Free)			4	records				120	0
Sum								120	0
TSOP II (Pb-Free)									
ZW444ALLR	G	MR124042	R1	CY7C1051DV33-10ZSXI	150	0	1000	30	0
ZW444AKDLN	JT	MR124048	R1	CY7C1041CV33-20ZSXET	150	0	1000	30	0
ZW324FBGL	T	MR124049	R1	CY7C1019CV33-10ZXAT	150	0	1000	30	0
ZW444ALLR	G	MR131008	R1	CY7C1051DV33-12ZSXIT	150	0	500	30	0
ZW444ALLR	G	MR131008	R1	CY7C1051DV33-12ZSXIT	150	0	1000	30	0
ZW44AXXAGL	RA	MR131027	R1	CY7C1041DV33-10ZSXIT	150	0	500	29	0
ZW44AXXAGL	RA	MR131027	R1	CY7C1041DV33-10ZSXIT	150	0	1000	29	0
ZW544AALL	G	MR131006	R1	CY7C1061AV33-10ZXIT	150	0	500	30	0
ZW324FBGL	T	MR131034	R1	CY7C1019CV33-10ZXAT	150	0	1000	30	0
ZW444AKDLN	JT	MR131054	R1	CY7C1041CV33-12ZSXE	150	0	1000	30	0
ZW44AYAGLC	RA	MR132001	R1	CY62137FV30LL-45XIKA	150	0	500	45	0
ZW44AYAGLC	RA	MR132001	R1	CY62137FV30LL-45XIKA	150	0	1000	45	0
ZW44AYAGLC	RA	MR132001	R2	CY62137FV30LL-45XIKA	150	0	500	45	0
ZW44AYAGLC	RA	MR132001	R2	CY62137FV30LL-45XIKA	150	0	1000	45	0
ZW44ABYGLC	RA	MR132001	R3	CY621472E30LL-45XIKA	150	0	500	45	0
ZW44ABYGLC	RA	MR132001	R3	CY621472E30LL-45XIKA	150	0	1000	45	0
ZW44AXYAGL	RA	MR132002	R1	CY7C1041DV33-10ZSXI	150	0	500	30	0
ZW44AXYAGL	RA	MR132002	R1	CY7C1041DV33-10ZSXI	150	0	1000	29	0



Summary Detail -- HTS Performance Over Time

ZW444AOLN	JT	MR132015	R1	CY62146EV30LL-45ZSXA	150	0	1000	30	0
ZW444ALLR	G	MR132024	R1	CY7C1059DV33-10ZSXI	150	0	500	30	0
ZW444ALLR	G	MR132024	R1	CY7C1059DV33-10ZSXI	150	0	1000	30	0
ZW544AALL	G	MR131006	R1	CY7C1061AV33-10ZXIT	150	0	1000	30	0
ZW444AAGLL	T	MR132041	R1	CY62146EV30LL-45ZSXI	150	0	500	30	0
ZW444AAGLL	T	MR132041	R1	CY62146EV30LL-45ZSXI	150	0	1000	30	0
ZW324CBLLC	T	MR132044	R1	CY62148ELL-45ZSXIKO	150	0	500	45	0
ZW324CBLLC	T	MR132044	R1	CY62148ELL-45ZSXIKO	150	0	1000	45	0
ZW324CBLLC	T	MR132044	R2	CY62148ELL-45ZSXIKO	150	0	500	45	0
ZW324CBLLC	T	MR132044	R2	CY62148ELL-45ZSXIKO	150	0	1000	45	0
ZW324CBLLC	T	MR132044	R3	CY62148ELL-45ZSXIKO	150	0	500	45	0
ZW324CBLLC	T	MR132044	R3	CY62148ELL-45ZSXIKO	150	0	1000	45	0
ZW44AXYAGL	RA	MR133003	R1	CY7C1041DV33-10ZSXIT	150	0	500	30	0
ZW44AYAGLC	RA	121406	R4	CY62137FV30LL-45XIKA	150	0	500	45	0
ZW44AYAGLC	RA	121406	R4	CY62137FV30LL-45XIKA	150	0	1000	45	0
ZW44AYAGLC	RA	121406	R4	CY62137FV30LL-45XIKA	150	0	3000	43	0
ZW54ARALRC	G	131009	R1	CY7C1061G30-10ZSXIES	150	0	500	80	0
ZW54ARALRC	G	131009	R1	CY7C1061G30-10ZSXIES	150	0	1000	80	0
ZW44AYAGLC	RA	MR132001	R1	CY62137FV30LL-45XIKA	150	0	3000	43	0
ZW44ABYGLC	RA	MR132001	R3	CY621472E30LL-45XIKA	150	0	3000	45	0
ZW444ALLR	G	MR132059	R1	CY7C1051DV33-10ZSXI	150	0	1000	23	0
ZW44AXYAGL	RA	MR133003	R1	CY7C1041DV33-10ZSXIT	150	0	1000	30	0
ZW444AIHLL	JT	MR133026	R1	CY7C1021DV33-10ZSXAT	150	0	1000	30	0
ZW324FBGL	T	MR133048	R1	CY7C1019CV33-10ZXAT	150	0	1000	28	0



Summary Detail -- HTS Performance Over Time

ZW544AALL	G	MR133056	R1	CY7C1061AV33-10ZXC	150	0	500	30	0
ZW444ALLR	G	MR133058	R1	CY7C1051DV33-12ZSXIT	150	0	500	30	0
ZW44AXYAGL	RA	MR134001	R1	CY7C1041DV33-10ZSXIT	150	0	500	30	0
ZW444ALLR	G	MR134006	R1	CY7C1051DV33-10ZSXI	150	0	500	29	0
Summary for Package Family: TSOP II (Pb-Free)			46	records					
Sum								1718	0
TSSOP									
Z2412XAGB	M	122204	R3	W232-10X	150	0	1000	103	0
Summary for Package Family: TSSOP			1	records					
Sum								103	0
TSSOP (Pb-Free)									
ZZ0812BGLC	T	MR131089	R1	CY2304NZZXI-1KO	150	0	500	77	0
ZZ1620GCAN	RA	124204	R1	CY2309SXI-1H	150	0	1000	112	0
ZZ1620GBAN	RA	124204	R2	CY22388KZXC-16A	150	0	1000	112	0
ZZ2817ABGL	RA	124204	R3	CY24272ZXC	150	0	1000	112	0
ZZ2014BGNC	T	120410	R5	CY25404ZXI-003KO	150	0	500	45	0
ZZ2014BGNC	T	120410	R5	CY25404ZXI-003KO	150	0	1000	45	0
ZZ2014BGNC	T	120410	R5	CY25404ZXI-003KO	150	0	3000	45	0
ZZ1620GBAN	RA	MR131051	R1	CY22392FXC	150	0	500	30	0
ZZ1620GBAN	RA	MR131051	R1	CY22392FXC	150	0	1000	30	0
ZZ0812BGLC	T	MR131089	R2	CY2304NZZXC-1KO	150	0	500	45	0
ZZ2014BGNC	T	MR131096	R1	CY25404ZXI-003KO	150	0	500	45	0
ZZ2014BGNC	T	MR131096	R1	CY25404ZXI-003KO	150	0	1000	45	0
ZZ2014BGNC	T	MR131096	R2	CY25404ZXI-005KO	150	0	500	44	0



Summary Detail -- HTS Performance Over Time

ZZ2014BGNC	T	MR131096	R3	CY25404ZXI009KO	150	0	500	45	0
ZZ1620GBAN	RA	MR132010	R1	CY22394FXCT	150	0	500	30	0
ZZ1620GBAN	RA	MR132010	R1	CY22394FXCT	150	0	1000	30	0
ZZ2014BGN	T	MR132026	R1	CY25404ZXI-003T	150	0	500	30	0
ZZ2014BGN	T	MR132026	R1	CY25404ZXI-003T	150	0	1000	30	0
ZZ0812BGLC	T	MR131055	R1	CY2304NZZXC-1KO	150	0	1000	30	0
ZZ0812BGLC	T	MR131055	R1	CY2304NZZXC-1KO	150	0	500	30	0
ZZ2014BGNC	T	MR131096	R1	CY25404ZXI-003KO	150	0	3000	45	0
ZZ2014BGNC	T	MR131096	R2	CY25404ZXI-005KO	150	0	1000	44	0
ZZ2014BGNC	T	MR131096	R3	CY25404ZXI009KO	150	0	1000	45	0
ZZ1620GBAN	RA	MR133012	R1	CY22393FXCT	150	0	1000	30	0
ZZ1620GBAN	RA	MR133012	R1	CY22393FXCT	150	0	500	30	0
ZZ0812BGLC	T	MR133018	R1	CY2304NZZXI-1	150	0	500	45	0
ZZ0812BGLC	T	MR133018	R3	CY2304NZZXI-1	150	0	500	45	0
ZZ0812BGLC	T	MR133018	R2	CY2304NZZXI-1	150	0	500	45	0
ZZ0812BGL	T	MR133010	R1	CY2304NZZXI-1T	150	0	500	29	0
ZZ0812BGL	T	MR133010	R1	CY2304NZZXI-1T	150	0	1000	29	0
ZZ0812BGLC	T	MR133018	R2	CY2304NZZXI-1	150	0	1000	45	0
ZZ0812BGLC	T	MR133018	R3	CY2304NZZXI-1	150	0	1000	45	0
ZZ1620GANC	RA	MR133053	R1	CY22150FZXCKA	150	0	500	45	0
ZZ1620GANC	RA	MR133053	R1	CY22150FZXCKA	150	0	1000	45	0
ZZ1620GBAN	RA	MR134012	R1	CY22393FXI	150	0	500	30	0
ZZ1620GANC	RA	MR133053	R2	CY22150KFZXCKA	150	0	500	45	0
ZZ1620GANC	RA	MR133053	R2	CY22150KFZXCKA	150	0	1000	45	0



Summary Detail -- HTS Performance Over Time

Summary for Package Family: TSSOP (Pb-Free)

37

records

Sum

1699

0

VFBGA (0.75-0.8, 0.3mm)

BV48CLALE	G	MR124055	R1	CY7C1041DV33-10BVIT	150	0	500	30	0
BV48CLALE	G	MR124055	R1	CY7C1041DV33-10BVIT	150	0	1000	30	0
BV48CFAALE	G	MR131018	R1	CY62157EV30LL-45BVIT	150	0	500	30	0
BV48CFAALE	G	MR131018	R1	CY62157EV30LL-45BVIT	150	0	1000	30	0
BV48CRALE	G	MR132039	R1	CY62167EV30LL-45BVIT	150	0	500	30	0
BV48CRALE	G	MR132039	R1	CY62167EV30LL-45BVIT	150	0	1000	30	0

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

6

records

Sum

180

0

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

BZ48CWALL	G	MR124045	R1	CY7C1061DV33-10BVXIT	150	0	1000	30	0
BZ100BABLL	RA	MR124051	R1	CYDMX128A16-65BVXIT	150	0	500	30	0
BZ100BABLL	RA	MR124051	R1	CYDMX128A16-65BVXIT	150	0	1000	30	0
BZ48CLALLC	G	MR124088	R1	CY7C1041DV33-10BVJXIT	150	0	1000	77	0
BZ48CLALLC	G	MR124088	R2	CY7C1041DV33-10BVJXIT	150	0	500	80	0
BZ48CLALLC	G	MR124088	R2	CY7C1041DV33-10BVJXIT	150	0	1000	80	0
BZ48CHALLC	G	MR124088	R3	CY62126EV30LL-45BVXIT	150	0	500	77	0
BZ48CHALLC	G	MR124088	R3	CY62126EV30LL-45BVXIT	150	0	1000	77	0
BZ48CNALLC	G	MR131091	R1	CY62167DV30LL-55BVXIT	150	0	500	45	0
BZ48ZEAALC	RA	MR132016	R1	CY62157EV30LL-45BVXIT	150	0	500	30	0
BZ48ZEAALC	RA	MR132016	R1	CY62157EV30LL-45BVXIT	150	0	1000	30	0
BZ48CLAALL	G	MR132011	R1	CY7C1041DV33-10BVXI	150	0	500	30	0



Summary Detail -- HTS Performance Over Time

BZ48CKALLC	RA	MR131090	R1	CY7C1041DV33-10BVXIT	150	0	500	45	0
BZ48CKALLC	RA	MR131090	R1	CY7C1041DV33-10BVXIT	150	0	1000	45	0
BZ48CKALLC	RA	MR131090	R2	CY7C1041DV33-10BVXIT	150	0	500	45	0
BZ48CKALLC	RA	MR131090	R2	CY7C1041DV33-10BVXIT	150	0	1000	45	0
BZ48CKALLC	RA	MR131090	R3	CY7C1041DV33-10BVXIT	150	0	500	45	0
BZ48CKALLC	RA	MR131090	R3	CY7C1041DV33-10BVXIT	150	0	1000	45	0
BZ48CEAALL	G	MR131035	R1	CY62147EV30LL-45BVXA	150	0	1000	29	0
BZ48CKAALL	RA	MR131028	R1	CY7C1041DV33-10BVXIT	150	0	500	30	0
BZ48CKAALL	RA	MR131028	R1	CY7C1041DV33-10BVXIT	150	0	1000	30	0
BZ48CNALLC	G	MR131091	R1	CY62167DV30LL-55BVXIT	150	0	1000	45	0
BZ48CLAALL	G	MR132011	R1	CY7C1041DV33-10BVXI	150	0	1000	30	0
BZ56GABGL	RA	MR133036	R1	CY7C68053-56BAXIT	150	0	500	30	0
BZ48CKALLC	RA	120610	R4	CY7C1041DV33-10BVXIT	150	0	500	45	0
BZ48CKALLC	RA	120610	R4	CY7C1041DV33-10BVXIT	150	0	1000	45	0
BZ48CKALLC	RA	120610	R4	CY7C1041DV33-10BVXIT	150	0	3000	45	0
BZ48CLALLC	G	120612	R4	CY7C1041DV33-10BVJXIT	150	0	1000	77	0
BZ48CLALLC	G	120612	R4	CY7C1041DV33-10BVJXIT	150	0	3000	77	0
BZ48CHALLC	G	MR124088	R3	CY62126EV30LL-45BVXIT	150	0	3000	77	0
BZ48CLALLC	G	MR124088	R1	CY7C1041DV33-10BVJXIT	150	0	3000	77	0
BZ48CLALLC	G	MR124088	R2	CY7C1041DV33-10BVJXIT	150	0	3000	80	0
BZ48CKALLC	RA	MR131090	R2	CY7C1041DV33-10BVXIT	150	0	3000	45	0
BZ48CKALLC	RA	MR131090	R1	CY7C1041DV33-10BVXIT	150	0	3000	45	0
BZ48CKALLC	RA	MR131090	R3	CY7C1041DV33-10BVXIT	150	0	3000	45	0
BZ56GABGL	RA	MR133036	R1	CY7C68053-56BAXIT	150	0	1000	27	0



Summary Detail -- HTS Performance Over Time

BZ100BABLL	RA	MR134008	R1	CYDMX128A16-65BVXIT	150	0	500	30	0
BZ48CRALLC	G	MR134003	R1	CY62167EV30LL-45BVXI	150	0	500	30	0
BZ48ARALLC	G	131204	R1	CY62167GE30-45BVXIES	150	0	500	80	0
BZ48ARALLC	G	131204	R1	CY62167GE30-45BVXIES	150	0	1000	80	0
BZ48ARALLC	G	131204	R1	CY62167GE30-45BVXIES	150	0	1500	80	0
BZ48ZEAAL	RA	130801	R1	CY62157EV30LL-45BVXI	150	0	1000	77	0
Summary for Package Family: VFBGA (0.75-0.8, 0.3mm, Pb-Free)			42	records				2142	0
Sum									
PBGA (Pb-Free)									
BY119SALL	G	MR124018	R1	CY7C1354C-200BGXC	150	0	1000	30	0
BY119SALL	G	MR131046	R1	CY7C1354C-200BGXC	150	0	500	30	0
BY119SALL	G	MR131046	R1	CY7C1354C-200BGXC	150	0	1000	30	0
BY119SALL	G	MR132009	R1	CY7C1354C-200BGXC	150	0	500	30	0
BY119SALL	G	MR132009	R1	CY7C1354C-200BGXC	150	0	1000	30	0
BY119SALL	G	MR133027	R1	CY7C1354C-200BGXCT	150	0	500	30	0
BY119SALL	G	MR133027	R1	CY7C1354C-200BGXCT	150	0	1000	30	0
BY119RALLC	G	131010	R1	CY62162G30-45BGXIES	150	0	500	80	0
BY119RALLC	G	131010	R1	CY62162G30-45BGXIES	150	0	1000	80	0
Summary for Package Family: PBGA (Pb-Free)			9	records				370	0
Sum									
FCBGA									
FR361BALL	G	121904	R1A	CY7C4141KV12-600FCXC	150	0	500	77	0
FR361BALL	G	121904	R1A	CY7C4141KV12-600FCXC	150	0	1000	77	0



Summary Detail -- HTS Performance Over Time

FR361BALL	G	122002	R3	CY7C4141KV12-600FCXC	150	0	500	77	0
FR361BALL	G	122002	R3	CY7C4141KV12-600FCXC	150	0	1000	77	0
Summary for Package Family: FCBGA			4	records					
Sum								308	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	MR132005	R1	CY8CTMA1036BUI-33T	121	0	168	30	0			
BU84AAAAAL	G	MR132005	R1	CY8CTMA1036BUI-33T	121	0	288	30	0			
BU70AAAAALC	G	131303	R1C	CY8CTMA568-70BUIES	121	0	168	37	0			
BU60AAAAAL	G	MR124013	R1	CY8CTMA463-60BUI	121	0	168	30	0			
BU60AAAAAL	G	MR124013	R1	CY8CTMA463-60BUI	121	0	288	30	0			
BU60AAAAAL	G	MR131014	R1	CY8CTMA463-60BUI	121	0	168	30	0			
BU60AAAAAL	G	MR131014	R1	CY8CTMA463-60BUI	121	0	288	30	0			
BU60AAAAAL	G	MR133055	R1	CY8CTMA463-60BUI	121	0	168	28	0			
BU60AAAAAL	G	MR133055	R1	CY8CTMA463-60BUI	121	0	288	22	0			
BU60ABAALC	AC	MR133065	R1	CY8CTMA4638-60BUIKC	121	0	168	30	0			
Summary for Package Family: UFBGA (Pb-free)			10	records								
Sum								297	0			
FBGA (0.75-0.8, 0.3mm)												
BA48ZGALE	G	MR131053	R1	CY7C1021BNV33L-15BAI	121	0	168	30	0			
BA48ZGALE	G	MR131053	R1	CY7C1021BNV33L-15BAI	121	0	288	30	0			
BA48ZGALE	G	MR132030	R1	CY7C1021BNV33L-15BAI	121	0	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)												



Summary Detail -- PCT Performance Over Time

BK121AGAGL	RA	MR123025	R1	CYWB0224ABS-BZXI	121	0	288	30	0		
BK48NZAAGL	G	MR124027	R1	CY14V101LA-BA45XIT	121	0	168	29	0		
BK121BGAGL	RA	MR124053	R1	CG7648AM	121	0	168	29	0		
BK121BGAGL	RA	MR124053	R1	CG7648AM	121	0	288	26	0		
BK48DJALL	G	MR124056	R1	CY62177DV30LL-55BAXI	121	0	168	30	0		
BK48DJALL	G	MR124056	R1	CY62177DV30LL-55BAXI	121	0	288	26	0		
BK48DJALL	G	MR131007	R1	CY62177DV30LL-55BAXI	121	0	168	30	2	MR131007-1P1	Lifted Ball
BK48DJALL	G	MR131007	R1	CY62177DV30LL-55BAXI	121	0	288	26	0		
BK121BGAGL	RA	MR131045	R1	CYUSB3011-BZXC	121	0	168	30	0		
BK121BAGLC	RA	MR131085	R1	CG7648AMT	121	0	168	45	0		
BK121BAGLC	RA	MR131085	R1	CG7648AMT	121	0	288	45	0		
BK121BAGLC	RA	MR131085	R2	CG7648AMT	121	0	168	45	0		
BK121BAGLC	RA	MR131085	R2	CG7648AMT	121	0	288	45	0		
BK121BAGLC	RA	MR131085	R3	CG7648AMT	121	0	168	45	0		
BK121BAGLC	RA	MR131085	R3	CG7648AMT	121	0	288	45	0		
BK48MABALL	G	131806	R1	CY7C1011CV33-10BAJXE	121	0	96	80	0		
BK48MABALL	G	131806	R1	CY7C1011CV33-10BAJXE	121	0	168	80	0		
BK48MABALL	G	131806	R2	CY7C1011CV33-10BAJXE	121	0	96	80	0		
BK48MABALL	G	131806	R2	CY7C1011CV33-10BAJXE	121	0	168	80	0		
BK48MABALL	G	131806	R3	CY7C1011CV33-10BAJXE	121	0	96	80	0		
BK48MABALL	G	131806	R3	CY7C1011CV33-10BAJXE	121	0	168	80	0		
BK48PAALL	RA	132302	R1	CY14B101LA-BA25XI	121	0	168	74	0		
BK48PAALL	RA	132302	R1	CY14B101LA-BA25XI	121	0	288	74	0		
BK48MABALL	G	133401	R1	CY7C1011CV33-10BAJXE	121	0	96	80	0		



Summary Detail -- PCT Performance Over Time

BK48MABALL	G	133401	R1	CY7C1011CV33-10BAJXE	121	0	168	80	0		
BK48MABALL	G	133401	R2	CY7C1011CV33-10BAJXE	121	0	96	80	0		
BK48MABALL	G	133401	R2	CY7C1011CV33-10BAJXE	121	0	168	80	0		
BK48MABALL	G	133401	R3	CY7C1011CV33-10BAJXE	121	0	96	80	0		
BK48MABALL	G	133401	R3	CY7C1011CV33-10BAJXE	121	0	168	80	0		
BK48DJALL	G	MR132047	R1	CY62177DV30LL-55BAXIT	121	0	168	30	1	MR132047-1P1	Lifted Ball
BK48DJALL	G	MR132047	R1	CY62177DV30LL-55BAXIT	121	0	288	18	0		
BK48NZAAGL	G	MR132049	R1	CY14V101LA-BA45XIT	121	0	8H	30	0		
BK121BGAGL	RA	MR132055	R1	CG7648AMT	121	0	168	30	0		
BK48NZAAGL	G	MR131017	R1	CY14V256LA-BA35XI	121	0	168	30	0		
BK48NZAAGL	G	MR131017	R1	CY14V256LA-BA35XI	121	0	288	30	0		
BK121DAGLC	G	MR133038	R1	CG7648AM	121	0	168	45	0		
BK121DAGLC	G	MR133038	R1	CG7648AM	121	0	288	45	0		
BK121DAGLC	G	MR133038	R2	CG7648AM	121	0	168	45	0		
BK121DAGLC	G	MR133038	R2	CG7648AM	121	0	288	45	0		
BK121DAGLC	G	MR133038	R3	CG7648AM	121	0	168	45	0		
BK121DAGLC	G	MR133038	R3	CG7648AM	121	0	288	45	0		
BK48NZAAGL	G	MR134002	R1	CY14V101LA-BA45XI	121	0	168	29	0		
BK121BGAGL	RA	MR134011	R1	CYUSB3011-BZXC	121	0	168	30	0		
BK48DJALL	G	MR133008	R1	CY62177DV30LL-55BAXI	121	0	168	30	21	MR133008-1P1	Lifted Ball
Summary for Package Family: FBGA (0.75-0.8, 0.3mm, Pb-free)			44	records							
Sum							2161	24			

FBGA (1.0-1.27)



Summary Detail -- PCT Performance Over Time

BB256BAALE	G	124801	R4	CY37256VP256-66BBI	121	0	168	80	0		
BB256BAALE	G	124801	R4	CY37256VP256-66BBI	121	0	288	79	0		
BB165RNALE	RA	MR131040	R1	CY7C1313KV18-250BZC	121	0	168	28	0		
BB165AVLE	RA	MR132003	R1	CY7C1305TV25-167BZC	121	0	168	14	0		
BB165AVLE	RA	MR132003	R1	CY7C1305TV25-167BZC	121	0	288	13	0		
BB165BCLLE	G	MR124043	R1	CY7C1354CV25-166BZC	121	0	168	30	0		
BB165WALEC	G	MR132027	R2	CY7C1520KV18-250BZC	121	0	168	45	0		
BB165WALEC	G	MR132027	R2	CY7C1520KV18-250BZC	121	0	288	45	0		
BB100EAALE	G	MR132060	R1	CY7B994V-2BBI	121	0	168	30	0		
BB165RNLEC	RA	MR133052	R1	CY7C1312KV18-250BZI	121	0	168	30	2	MR133052-1P1	Broken Wire
BB165RNLEC	RA	MR133052	R1	CY7C1312KV18-250BZI	121	0	288	8	0		
BB165AVLE	RA	MR134014	R1	CY7C1305TV25-167BZC	121	0	168	30	0		
BB165BCLLE	G	MR133057	R1	CY7C1354D-200BZC	121	0	168	30	0		
Summary for Package Family: FBGA (1.0-1.27)			13	records				462	2		
Sum											
FBGA (1.0-1.27, Pb-free)											
BW165CEALL	G	124106	R1A	CY7C1414KV18-250BZXC	121	0	288	74	0		
BW165CEALL	G	124106	R2A	CY7C1414KV18-250BZXC	121	0	288	70	0		
BW165CEALL	G	124106	R3A	CY7C1414KV18-250BZXC	121	0	288	74	0		
BW165RNALL	RA	124801	R5	CY7C1312KV18-300BZXI	121	0	168	78	0		
BW165RNALL	RA	124801	R5	CY7C1312KV18-300BZXI	121	0	288	78	0		
BW165RNALL	RA	MR131039	R1	CY7C1312KV18-250BZXC	121	0	168	30	0		
BW100EAGL	G	MR131049	R1	CYP15G0101DXB-BBXI	121	0	168	30	0		
BW165RNLLC	RA	MR131084	R1	CY7C1148KV18-400BZXC	121	0	168	45	0		



Summary Detail -- PCT Performance Over Time

BW165RNLLC	RA	MR131084	R2	CY7C1148KV18-400BZXC	121	0	168	45	0
BW165RNLLC	RA	MR131084	R3	CY7C1148KV18-400BZXC	121	0	168	45	0
BW165RNLLC	RA	MR131084	R1	CY7C1148KV18-400BZXC	121	0	168	45	0
BW165RNLLC	RA	MR131084	R1	CY7C1148KV18-400BZXC	121	0	288	43	0
BW165RNLLC	RA	MR131084	R2	CY7C1148KV18-400BZXC	121	0	168	45	0
BW165RNLLC	RA	MR131084	R2	CY7C1148KV18-400BZXC	121	0	288	45	0
BW165RNLLC	RA	MR131084	R3	CY7C1148KV18-400BZXC	121	0	168	45	0
BW165RNLLC	RA	MR131084	R3	CY7C1148KV18-400BZXC	121	0	288	45	0
BW165RJALL	RA	125005	R1A	CY7C1414KV18-250BZXC	121	0	168	78	0
BW165RJALL	RA	125005	R2A	CY7C1414KV18-250BZXC	121	0	168	78	0
BW165RJALL	RA	125005	R3A	CY7C1414KV18-250BZXC	121	0	168	79	0
BW165RJALL	RA	125005	R2A	CY7C1414KV18-250BZXC	121	0	288	78	0
BW165RJALL	RA	125005	R1A	CY7C1414KV18-250BZXC	121	0	288	78	0
BW165RJALL	RA	125005	R3A	CY7C1414KV18-250BZXC	121	0	288	79	0
BW165CWLLC	G	MR132027	R1	CY7C1312KV18-300BZXI	121	0	168	45	0
BW165CWLLC	G	MR132027	R1	CY7C1312KV18-300BZXI	121	0	288	45	0
BW165CWLLC	G	MR132027	R3	CY7C1312KV18-250BZXCT	121	0	168	45	0
BW165CWLLC	G	MR132027	R3	CY7C1312KV18-250BZXCT	121	0	288	45	0
BW165CEALL	G	MR132029	R1	CY7C1414KV18-250BZXI	121	0	168	30	0
BW165RNALL	RA	MR132032	R1	CY7C1312KV18-300BZXI	121	0	168	30	0
BW165CWLLC	G	MR132027	R1	CY7C1312KV18-300BZXI	121	0	500	45	0
BW165CWLLC	G	MR132027	R3	CY7C1312KV18-250BZXCT	121	0	500	45	0
BW165CWALL	G	MR133023	R1	CY7C1312LV18-250BZXC	121	0	168	30	0
BW165CWALL	G	MR133023	R1	CY7C1312LV18-250BZXC	121	0	288	30	0



Summary Detail -- PCT Performance Over Time

BW165GALLC	RA	133105	R7	CY7C1518KV18-300BZXI	121	0	168	78	0
BW165GALLC	RA	133105	R7	CY7C1518KV18-300BZXI	121	0	288	78	0
BW165GALLC	RA	133105	R8	CY7C1518KV18-300BZXI	121	0	288	79	0
BW165RNLLC	RA	133105	R9	CY7C1168KV18-550BZXC	121	0	168	78	0
Summary for Package Family: FBGA (1.0-1.27, Pb-free)			36	records					
Sum							2010	0	
FLIPCHIP CSP (Pb-Free)									
FN49ABAAAL	AU	MR131037	R1	CP7457ATT	121	0	168	30	0
FN49ABAAAL	AU	MR121046	R1	CP7455ATT	121	0	168	21	0
FN49ABAAAL	AU	MR121046	R1	CP7455ATT	121	0	288	21	0
FN49ABDRCD	DT	MR123050	R1	CG7524AMT	121	0	168	29	0
FN49ABAAAL	AU	MR131037	R1	CP7457ATT	121	0	288	28	0
FN49AADRCD	DT	MR132053	R1	CP7653ATT	121	0	168	30	0
FN49AADRCD	DT	MR132053	R1	CP7653ATT	121	0	288	30	0
Summary for Package Family: FLIPCHIP CSP (Pb-Free)			7	records					
Sum							189	0	
PDIP									
P2434XAAGB	X	MR122037	R1	CY7C194BN-15PC	121	0	288	30	0
Sum			1					30	0
PDIP (Pb-Free)									
PZ183DPDGN	RA	124708	R1	CY7C63723C-PXC	121	0	288	95	0
PZ183DPDGN	RA	124708	R2	CY7C63723C-PXC	121	0	288	100	0
PZ183DPDGN	RA	124708	R3	CY7C63723C-PXC	121	0	288	100	0



Summary Detail -- PCT Performance Over Time

PZ286EAAGN	X	MR124047	R1	CY62256NLL-70PXC	121	0	168	30	0
PZ286EAAGN	X	MR124047	R1	CY62256NLL-70PXC	121	0	288	30	0
PZ183DPBGN	RA	MR124052	R1	CY7C63813-PXC	121	0	288	30	0
PZ286EAAGN	X	MR131021	R1	CY62256NLL-70PXC	121	0	168	30	0
PZ286EAAGN	X	MR131021	R1	CY62256NLL-70PXC	121	0	288	30	0
PZ183DPBGN	RA	MR131032	R1	CY7C63813-PXC	121	0	168	30	0
PZ183DPBGN	RA	MR131032	R1	CY7C63813-PXC	121	0	288	30	0
PZ286EAAGN	X	MR132004	R1	CY62256NLL-70PXC	121	0	168	30	0
PZ183DPBGN	RA	MR132046	R1	CY7C63813-PXC	121	0	168	30	0
PZ08	UT	MR124076	R1	FM25V20-PG	121	0	168	76	0
PZ08	UT	MR124076	R1	FM25V20-PG	121	0	240	76	0
PZ08	UT	MR124076	R1	FM25V20-PG	121	0	336	76	0
PZ08	UT	MR131059	R1	FM25V05-PGC	121	0	168	76	0
PZ08	UT	MR131059	R1	FM25V05-PGC	121	0	240	76	0
PZ08	UT	MR131059	R1	FM25V05-PGC	121	0	336	76	0
PZ286EAAGN	X	MR133002	R1	CY62256NLL-70PXC	121	0	168	30	0
PZ183DPGNC	RA	MR133025	R1	CS6632KAA	121	0	168	45	0
PZ183DPGNC	RA	MR133025	R1	CS6632KAA	121	0	288	45	0
PZ183DPGNC	RA	MR133025	R2	CS6632KAA	121	0	168	45	0
PZ183DPGNC	RA	MR133025	R2	CS6632KAA	121	0	288	45	0
PZ183DPGNC	RA	MR133025	R3	CS6632KAA	121	0	168	45	0
PZ183DPGNC	RA	MR133025	R3	CS6632KAA	121	0	288	45	0
PZ183DPBGN	RA	MR133045	R1	CS6632AF	121	0	168	30	0
PZ28BDAALL	L	MR133073	R1	FM18W08-PG	121	0	168	77	0



Summary Detail -- PCT Performance Over Time

PZ183DPBGN	RA	MR134021	R1	CY7C63813-PXC	121	0	168	30	0
PZ286VFRAR	M	122903	R3	CY62256NLL-70PXC	121	0	500	115	0
Sum			29					1573	0
PLCC (Pb-Free)									
JZ32RBGAN	M	MR132007	R1	CY7B991V-5JXIT	121	0	168	30	0
JZ52SGGAAN	M	MR131011	R1	CY7C131E-55JXCT	121	0	168	30	0
JZ52SGGAAN	M	MR134007	R1	CY7C131E-55JXCT	121	0	168	27	0
Summary for Package Family: PLCC (Pb-Free)			3	records					
Sum								87	0
PQFP (Pb-free)									
NZ52DXGAN	G	MR124032	R1	CY7C136-55NXCT	121	0	168	30	0
NZ52EAALL	M	MR131012	R1	CY7C131E-55NXC	121	0	168	29	0
NZ52EAALL	M	MR132037	R1	CY7C136E-55NXC	121	0	168	30	0
Summary for Package Family: PQFP (Pb-free)			3	records					
Sum								89	0
QFN (COL, 0.6mm, Saw Type, Pb-free)									
LG16AEAAAL	MB	MR124033	R1	CY8C20234-12LKXAT	121	0	96	30	0
LG16AEAAAL	MB	MR124033	R1	CY8C20234-12LKXAT	121	0	168	30	0
LG16AQAAAL	G	MR124044	R1	CY8C20045-24LKXIT	121	0	168	30	0
LG16AQAAAL	G	MR124044	R1	CY8C20045-24LKXIT	121	0	288	29	0
LG16ABAALL	L	MR124058	R1	CY8C20045-24LKXI	121	0	168	30	0
LG16ABAALL	L	MR124058	R1	CY8C20045-24LKXI	121	0	288	30	0
LG16AQAAAL	G	MR131015	R1	CG7602AAT	121	0	168	30	0
LG16AQAAAL	G	MR131015	R1	CG7602AAT	121	0	288	30	0



Summary Detail -- PCT Performance Over Time

LG16AEAAAL	MB	MR131005	R1	CG7602AAT	121	0	168	28	0
LG16AEAAAL	MB	MR131005	R1	CG7602AAT	121	0	288	28	0
LG16AQAAAL	G	MR132006	R1	CG7601AAT	121	0	168	29	0
LG16AQAAAL	G	MR132006	R1	CG7601AAT	121	0	288	28	0
LG16AEAAAL	MB	MR132056	R1	CY8C20065-24LKXIT	121	0	288	30	0
LG16AEAAAL	MB	MR132056	R1	CY8C20065-24LKXIT	121	0	168	30	0
LG16AQAAAL	G	MR133007	R1	CY8C20236A-24LKXIT	121	0	288	27	0
LG16AQAAAL	G	MR133007	R1	CY8C20236A-24LKXIT	121	0	168	30	0
LG16ARAARC	G	MR134019	R1	CY8C200654-24LKXIKG	121	0	128	30	0
LG16ARAARC	G	132901	R1	CY8C200555-24LKXIKG	121	0	168	83	0
LG16ARAARC	G	132901	R1	CY8C200555-24LKXIKG	121	0	288	77	0
LG16ARAARC	G	132901	R2	CY8C200555-24LKXIKG	121	0	168	83	0
LG16ARAARC	G	132901	R2	CY8C200555-24LKXIKG	121	0	288	78	0
LG16ARAARC	G	132901	R3	CY8C200555-24LKXIKG	121	0	168	83	0
LG16AEPaal	RA	132703	R3	CY8C20045-24LKXI	121	0	168	76	0
LG16AEPaal	RA	132703	R1	CY8C20045-24LKXI	121	0	168	79	0
LG16AEPaal	RA	132703	R2	CY8C20045-24LKXI	121	0	168	77	0
LG16AEPaal	RA	132703	R2	CY8C20045-24LKXI	121	0	288	77	0
LG16AEPaal	RA	132703	R3	CY8C20045-24LKXI	121	0	288	76	0
LG16AEPaal	RA	132703	R1	CY8C20045-24LKXI	121	0	288	74	0

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

28 records

1362 0

QFN (Punch Type, Pb-Free)



Summary Detail -- PCT Performance Over Time

LY40CGAGR	L	MR124040	R1	CYRF69103-40LFXC	121	0	168	30	0
LY56DGAGL	L	MR131036	R1	CP7487AT	121	0	96	30	0
LY56DGAGL	L	MR131036	R1	CP7487AT	121	0	168	30	0
LY24BGAGL	L	MR132008	R1	CY8C21323-24LFXI	121	0	168	30	0
LY40CGAGR	L	MR131026	R1	CYRF69103-40LFXC	121	0	168	30	0
LY56DGAGL	L	MR133014	R1	CY8CTMG120-56LFXAT	121	0	96	30	0
LY56DGAGL	L	MR133014	R1	CY8CTMG120-56LFXAT	121	0	168	30	0

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

7

records

210 0

QFN (Saw Type, Pb-Free)

LQ48AAAAALC	RA	120205	R4	CY8CTMA300E-48LQXIT	121	0	168	45	0
LQ48AAAAALC	RA	120205	R4	CY8CTMA300E-48LQXIT	121	0	288	45	0
LQ48AAAAALC	RA	120205	R4	CY8CTMA300E-48LQXIT	121	0	500	45	0
LT48DQAAAL	G	MR121056	R1	CY8C28623-24LTXIT	121	0	168	30	0
LT40BQAAAL	G	MR124041	R1	CYRF69103-40LTXC	121	0	168	23	0
LT48DQAAAL	G	MR121056	R1	CY8C28623-24LTXIT	121	0	288	30	0
LQ24AQAALC	G	122602	R2	CYRF8935AK-24LQXC	121	0	168	85	0
LQ24AQAALC	G	122602	R2	CYRF8935AK-24LQXC	121	0	288	85	0
LQ24AQAALC	G	122602	R3	CYRF8935AK-24LQXC	121	0	168	85	0
LQ24AQAALC	G	122602	R3	CYRF8935AK-24LQXC	121	0	288	85	0
LT32BABGLC	RA	123803	R3	CY7C65215-32LTXIES	121	0	168	78	0
LT32BABGLC	RA	123803	R3	CY7C65215-32LTXIES	121	0	288	77	0
LT68YAAAAL	G	124507	R8	CYRF89535-68LTXCES	121	0	288	79	0
LT40BQAAAL	G	124507	R9	CYRF89235-40LTXCES	121	0	288	79	0



Summary Detail -- PCT Performance Over Time

LT68YAAAAL	G	124707	R8	CYRF89535-68LTXCES	121	0	288	79	0
LT40BQAAAL	G	124707	R9	CYRF89235-40LTXCES	121	0	288	79	0
LT68ADAAGL	RA	MR114046	R2	CY8C5568LTI-114	121	0	288	29	0
LT48ABBAAL	MB	MR122032	R1	CP7408AT	121	0	168	30	0
LT40ABAAAL	G	MR123011	R1	CYRF7936-40LTXC	121	0	168	30	0
LT48AQAAAL	G	MR124015	R1	CY8CTMG201A-48LTXI	121	0	168	30	0
LT88ABAAAL	L	MR124017	R1	CY8CTMA884LTI-13	121	0	288	28	0
LQ32EPDGLC	RA	MR124093	R1	CY8CTST242-LQI-01T	121	0	288	45	0
LT48QAALC	G	MR124094	R1	CY8C20636A-24LTXI	121	0	168	77	0
LT48QAALC	G	MR124094	R2	CY8C20636A-24LTXI	121	0	168	77	0
LT48QAALC	G	MR124094	R3	CY8C20636A-24LTXIT	121	0	168	76	0
LQ24QAALC	G	MR124095	R1	CS7223AA	121	0	168	77	0
LQ24QAALC	G	MR124095	R2	CS7223AA	121	0	168	77	0
LQ24QAALC	G	MR124095	R3	CS7223AA	121	0	168	77	0
LT56BAAALC	G	MR124096	R1	CS6651DAT	121	0	168	70	0
LT56BAAALC	G	MR124096	R2	CS6651DAT	121	0	168	70	0
LT56BAAALC	G	MR124096	R3	CS6651DAT	121	0	168	70	0
LT56BAAALC	G	MR124096	R3	CS6651DAT	121	0	288	70	0
LT40ABAALC	G	MR124099	R1	CG7380AM	121	0	168	70	0
LT40ABAALC	G	MR124099	R2	CG7380AM	121	0	168	70	0
LT40ABAALC	G	MR124099	R2	CG7380AM	121	0	288	70	0
LT40ABAALC	G	MR124099	R3	CG7380AM	121	0	168	70	0
LT32BABGLC	RA	MR131001	R1	CY8C21434-24LTXIT	121	0	168	45	0
LT32BABGLC	RA	MR131001	R1	CY8C21434-24LTXIT	121	0	288	45	0



Summary Detail -- PCT Performance Over Time

LT32BABGLC	RA	MR131001	R2	CY8C21434-24LTXIT	121	0	168	45	0
LT32BABGLC	RA	MR131001	R2	CY8C21434-24LTXIT	121	0	288	45	0
LT32BABGLC	RA	MR131001	R3	CY8C21434-24LTXIT	121	0	168	45	0
LT32BABGLC	RA	MR131001	R3	CY8C21434-24LTXIT	121	0	288	45	0
LQ48AAAAALC	RA	MR131002	R1	CY8CTMA300E-48LQXIT	121	0	168	45	0
LQ48AAAAALC	RA	MR131002	R1	CY8CTMA300E-48LQXIT	121	0	288	45	0
LQ48AAAAALC	RA	MR131002	R2	CY8CTMA300E-48LQXIT	121	0	168	45	0
LQ48AAAAALC	RA	MR131002	R3	CY8CTMA300E-48LQXIT	121	0	168	45	0
LQ48AAAAALC	RA	MR131002	R3	CY8CTMA300E-48LQXIT	121	0	288	45	0
LT56BEAGLC	RA	MR131004	R1	CS6651DAT	121	0	168	45	0
LT56BEAGLC	RA	MR131004	R1	CS6651DAT	121	0	288	45	0
LT56BEAGLC	RA	MR131004	R2	CS6651DAT	121	0	168	45	0
LT56BEAGLC	RA	MR131004	R2	CS6651DAT	121	0	288	44	0
LT56BEAGLC	RA	MR131004	R3	CS6651DAT	121	0	168	45	0
LT56BEAGLC	RA	MR131004	R3	CS6651DAT	121	0	288	45	0
LQ48AQAALC	G	MR131010	R1	CG7589AA	121	0	168	30	0
LQ48AQAALC	G	MR131010	R1	CG7589AA	121	0	288	30	0
LQ36ABAAAL	RA	MR131013	R1	CG7566AFT	121	0	168	30	0
LQ24AAAAALC	RA	MR131083	R1	CS7223AA	121	0	168	45	0
LQ24AAAAALC	RA	MR131083	R1	CS7223AA	121	0	288	45	0
LQ24AAAAALC	RA	MR131083	R2	CS7223AA	121	0	168	45	0
LQ24AAAAALC	RA	MR131083	R2	CS7223AA	121	0	288	45	0
LQ24AAAAALC	RA	MR131083	R3	CS7223AA	121	0	168	45	0
LQ24AAAAALC	RA	MR131083	R3	CS7223AA	121	0	288	45	0



Summary Detail -- PCT Performance Over Time

LQ36ABAALC	RA	MR131087	R1	CY8CTMA140-LQI-09T	121	0	168	45	0
LQ36ABAALC	RA	MR131087	R1	CY8CTMA140-LQI-09T	121	0	288	45	0
LQ36ABAALC	RA	MR131087	R2	CY8CTMA140-LQI-09T	121	0	168	45	0
LQ36ABAALC	RA	MR131087	R2	CY8CTMA140-LQI-09T	121	0	288	45	0
LQ36ABAALC	RA	MR131087	R3	CY8CTMA140-LQI-09T	121	0	168	45	0
LQ48AAAAALC	RA	MR131094	R1	CY8C20667S-24LQXI	121	0	168	45	0
LQ48AAAAALC	RA	MR131094	R2	CY8C20667-24LQXI	121	0	168	45	0
LQ48AAAAALC	RA	MR131094	R3	CY8C20647S-24LQXI	121	0	168	45	0
LQ40AAAAALC	RA	123807	R1	CY8C4245LQI-005ES	121	0	168	78	0
LQ40AAAAALC	RA	123807	R1	CY8C4245LQI-005ES	121	0	288	72	0
LQ40AAAAALC	RA	123807	R2	CY8C4245LQI-005ES	121	0	168	79	0
LQ40AAAAALC	RA	123807	R2	CY8C4245LQI-005ES	121	0	288	70	0
LQ40AAAAALC	RA	123807	R3	CY8C4245LQI-005ES	121	0	168	80	0
LQ40AAAAALC	RA	123807	R3	CY8C4245LQI-005ES	121	0	288	75	0
LQ24AAAAALC	RA	124105	R1	CY7C65211-24LTXIES	121	0	168	78	0
LQ24AAAAALC	RA	124105	R1	CY7C65211-24LTXIES	121	0	288	78	0
LQ24AAAAALC	RA	124105	R4	CY7C65211-24LTXI	121	0	168	77	0
LQ24AAAAALC	RA	124105	R4	CY7C65211-24LTXI	121	0	288	77	0
LT68YAAAAR	G	130808	R2	CYRF89535-68LTXCES	121	0	168	79	0
LT68YAAAAR	G	130808	R3	CYRF89535-68LTXCES	121	0	168	79	0
LT68YAAAAR	G	130901	R2	CYRF89535-68LTXCES	121	0	168	79	0
LT68YAAAAR	G	130901	R2	CYRF89535-68LTXCES	121	0	288	79	0
LT68YAAAAR	G	130901	R3	CYRF89535-68LTXCES	121	0	168	79	0
LT68YAAAAR	G	130901	R3	CYRF89535-68LTXCES	121	0	288	79	0



Summary Detail -- PCT Performance Over Time

LT68YAAAAR	G	130901	R4	CYRF89535-68LTXCES	121	0	168	79	0
LT68YAAAAR	G	130901	R4	CYRF89535-68LTXCES	121	0	288	79	0
LQ40ABAALC	G	130902	R1	CY8C4245LQI-005ES	121	0	168	81	0
LQ40ABAALC	G	130902	R1	CY8C4245LQI-005ES	121	0	288	75	0
LQ40ABAALC	G	130902	R2	CY8C4245LQI-005ES	121	0	168	81	0
LQ40ABAALC	G	130902	R2	CY8C4245LQI-005ES	121	0	288	76	0
LQ40ABAALC	G	130902	R3	CY8C4245LQI-005ES	121	0	168	82	0
LQ32QAAAALC	G	MR124087	R3	CY8CTST242-LQI-01	121	0	500	95	0
LQ48AAAALC	RA	MR131002	R1	CY8CTMA300E-48LQXIT	121	0	500	44	0
LQ48AAAALC	RA	MR131002	R2	CY8CTMA300E-48LQXIT	121	0	500	44	0
LQ48AAAALC	RA	MR131002	R3	CY8CTMA300E-48LQXIT	121	0	500	45	0
LQ36ABAAAL	RA	MR131013	R1	CG7566AFT	121	0	288	30	0
LQ36ABAALC	RA	MR131087	R3	CY8CTMA140-LQI-09T	121	0	288	45	0
LQ48AAAALC	RA	MR131094	R1	CY8C20667S-24LQXI	121	0	288	45	0
LQ48AAAALC	RA	MR131094	R2	CY8C20667-24LQXI	121	0	288	45	0
LQ48AAAALC	RA	MR131094	R3	CY8C20647S-24LQXI	121	0	288	45	0
LT56BEAAGL	RA	MR132012	R1	CS6651DAT	121	0	168	30	0
LQ48AQAALC	G	MR132020	R1	CG7479AM	121	0	168	30	0
LQ48AQAALC	G	MR132020	R1	CG7479AM	121	0	288	30	0
LT68YAAALC	G	MR132035	R1	CY8C3445LTI-079KG	121	0	168	45	0
LT68YAAALC	G	MR132035	R1	CY8C3445LTI-079KG	121	0	288	45	0
LT68YAAALC	G	MR132035	R2	CY8C3445LTI-079KG	121	0	168	45	0
LT68YAAALC	G	MR132035	R3	CY8C3445LTI-079KG	121	0	168	45	0
LT68YAAALC	G	MR132035	R3	CY8C3445LTI-079KG	121	0	288	45	0



Summary Detail -- PCT Performance Over Time

LT40BQAAAL	G	MR132022	R1	CYRF69103-40LTXC	121	0	168	20	0
LT40BQAAAL	G	MR132022	R1	CYRF69103-40LTXC	121	0	288	12	0
LQ32QAAAAAL	G	MR123042	R1	CY24292LFXCT	121	0	288	30	0
LT88ABAAAL	L	MR131009	R1	CY8CTMA884LTI-13	121	0	168	30	0
LT32BBAAAL	G	MR131016	R1	CG7392AM	121	0	288	28	0
LT32BAABGL	RA	MR131047	R1	CG7392AM	121	0	168	30	0
LT48AQAAAL	G	MR132021	R1	CP7658AT	121	0	168	30	0
LT68YAAALC	G	MR132035	R2	CY8C3445LTI-079KG	121	0	288	45	0
LT88ABAAAL	L	MR132042	R1	CY8CTMA616LTI-13	121	0	168	30	0
LQ48AQAAAL	G	MR133024	R1	CY8CTMA375-LQI-02	121	0	288	30	0
LQ48AQAAAL	G	MR133024	R1	CY8CTMA375-LQI-02	121	0	168	30	0
LT56BAAALC	G	MR133033	R1	CY7C68014A-56LTXC	121	0	168	30	0
LT88ABAAAL	L	MR132042	R1	CY8CTMA616LTI-13	121	0	288	30	0
LT56BPAAGL	RA	MR133042	R1	CS7275AAT	121	0	168	30	0
LQ24AAAAALC	RA	MR133046	R1	CS7223AA	121	0	168	30	0
LQ44FQAALC	G	MR134009	R1	CY8CTMA442-44LQI	121	0	168	30	0
LQ48ABAALC	RA	MR134013	R1	CYTMA545-48LQI36ZZ	121	0	168	30	0
LT32BAABGL	RA	MR134016	R1	CG7558AAT	121	0	168	30	0
LT32BBAAAL	G	MR134020	R1	CS7453ATT	121	0	168	29	0
LT88BAARC	G	124301	R1	CYUSB3314-88LTXCES	121	0	168	80	0
LT88BAARC	G	124301	R1	CYUSB3314-88LTXCES	121	0	288	80	0
LT88BAARC	G	124301	R2	CYUSB3324-88LTXCES	121	0	168	80	0
LT88BAARC	G	124301	R2	CYUSB3324-88LTXCES	121	0	288	79	0
LT68BAARC	G	124301	R3	CYUSB3304-68LTXCES	121	0	168	78	0



Summary Detail -- PCT Performance Over Time

LT68BAARC	G	124301	R3	CYUSB3304-68LTXCES	121	0	288	78	0
LT68BAAALC	RA	124702	R1	CYUSB3304-68LTXCES	121	0	168	77	0
LT68BAAALC	RA	124702	R1	CYUSB3304-68LTXCES	121	0	288	77	0
LT88ABAAAL	L	MR131009	R1	CY8CTMA884LTI-13	121	0	288	30	0
LQ32QAAALC	G	MR123086	R2	CY8CTST242-LQI-01T	121	0	288	90	0
LT68AGAGLC	RA	133308	R3	CY8C5868LTI-LP039ES	121	0	168	80	0
LT68AGAGLC	RA	133308	R2	CY8C5868LTI-LP039ES	121	0	168	80	0
LT68AGAGLC	RA	133308	R1	CY8C5868LTI-LP039ES	121	0	168	80	0
LT68AGAGLC	RA	133308	R3	CY8C5868LTI-LP039ES	121	0	288	79	0
LT68AGAGLC	RA	133308	R2	CY8C5868LTI-LP039ES	121	0	288	80	0
LT68AGAGLC	RA	133308	R1	CY8C5868LTI-LP039ES	121	0	288	79	0
LQ56BDAARC	RA	133101	R1	CYTMA568-56LQI44ADES	121	0	96	79	0
LQ56BDAARC	RA	133101	R1	CYTMA568-56LQI44ADES	121	0	168	79	0
LQ56BABALC	RA	134202	R17	CY8CTMA4634-56LQIKCA	121	0	176	77	0
LQ56BABALC	RA	134202	R16	CY8CTMA4634-56LQIKCA	121	0	176	76	0
LQ56BABALC	RA	134202	R15	CY8CTMA4634-56LQIKCA	121	0	176	77	0
LQ56BABALC	RA	134202	R15	CY8CTMA4634-56LQIKCA	121	0	288	77	0
LQ56BABALC	RA	134202	R17	CY8CTMA4634-56LQIKCA	121	0	288	77	0
LQ48AAAALC	RA	130908	R1	CY8CTMA440-48LQIES2	121	0	168	80	0
LT68BAAALC	RA	121306	R1	CYUSB3304-68LTXCES	121	0	168	77	0
LT68BAAALC	RA	121306	R1	CYUSB3304-68LTXCES	121	0	288	77	0
LQ48AEAAAL	RA	131203	R1	CY8CTMA443-48LQIES4	121	0	168	80	0
LQ48AEAAAL	RA	131203	R1	CY8CTMA443-48LQIES4	121	0	288	80	0
LQ48AEAAAL	RA	131203	R2	CY8CTMA443-48LQIES4	121	0	168	80	0



Summary Detail -- PCT Performance Over Time

LQ48AEAAAL	RA	131203	R2	CY8CTMA443-48LQIES4	121	0	288	80	0
LQ48AEAAAL	RA	131203	R3	CY8CTMA443-48LQIES4	121	0	168	80	0
LQ48AEAAAL	RA	131203	R3	CY8CTMA443-48LQIES4	121	0	288	80	0
LQ48AEAAAL	RA	131203	R6	CY8CTMA443-48LQIES4	121	0	168	80	0
LQ48AEAAAL	RA	131203	R6	CY8CTMA443-48LQIES4	121	0	288	80	0
LQ48AEAAAL	RA	131203	R7	CY8CTMA443-48LQIES4	121	0	168	80	0
LQ48AEAAAL	RA	131203	R7	CY8CTMA443-48LQIES4	121	0	288	80	0
LQ56BDAARC	RA	131303	R1	CY8CTMA568-56LQIES	121	0	96	80	0
LQ56BDAARC	RA	131303	R1	CY8CTMA568-56LQIES	121	0	168	80	0
LQ32EPDAGL	RA	131304	R1	CY8C20446A-24LQXI	121	0	168	80	0
LQ32EPDAGL	RA	131304	R1	CY8C20446A-24LQXI	121	0	288	80	0
LQ32EPDAGL	RA	131304	R2	CY8C20446A-24LQXI	121	0	168	80	0
LQ32EPDAGL	RA	131304	R2	CY8C20446A-24LQXI	121	0	288	80	0

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

171

records

10107

0

DFN, 0.8mm Thickness (Saw
Type)

LH08AAALL	MB	MR123046	R1	CY14B101Q2-LHXI	121	0	168	30	0
LH08AAALL	MB	MR124022	R1	CY14B101Q2-LHXI	121	0	168	29	0
LH08	UT	MR131060	R1	FM25H20-DG	121	0	168	76	0
LH08	UT	MR131060	R1	FM25H20-DG	121	0	240	76	0
LH08	UT	MR131060	R1	FM25H20-DG	121	0	336	76	0
LH08AAALL	MB	MR123046	R1	CY14B101Q2-LHXI	121	0	288	29	0
LH08AAALL	MB	MR124022	R1	CY14B101Q2-LHXI	121	0	288	29	0

Sum

7

345

0



Summary Detail -- PCT Performance Over Time

QSOP (Pb-Free)

SQ2414ACGN	JT	MR123030	R1	CY7C63823-QXC	121	0	168	30	0
SQ2414ACGN	JT	MR124046	R1	CY7C63823-QXC	121	0	288	28	0
SQ2414ACGN	JT	MR124046	R1	CY7C63823-QXC	121	0	288	28	0
SQ2414ACGN	JT	MR131044	R1	CY7C63823-QXC	121	0	168	29	0
SQ2414ACGN	JT	MR131044	R1	CY7C63823-QXC	121	0	288	28	0
SQ2414ACGN	JT	MR133034	R1	CY7C63823-QXC	121	0	168	30	0

Summary for Package Family: QSOP (Pb-Free)

6 records

Sum

173 0

SNC (Pb-Free)

SY2831BHN	JT	MR124037	R1	CY62256NLL-70SNXA	121	0	168	30	0
SY2831BCLN	JT	MR131020	R1	CY62256NLL-70SNXCT	121	0	168	30	0
SY2831BHN	JT	MR132025	R1	CG7261ATT	121	0	96	30	0
SY2831BHN	JT	MR132025	R1	CG7261ATT	121	0	168	30	0
SY2831BCLN	JT	MR133028	R1	CY62256NLL-55SNXIT	121	0	168	30	0
SY2831BHN	JT	MR134018	R1	CG7261ATT	121	0	96	30	0
SY2831BHN	JT	MR134018	R1	CG7261ATT	121	0	168	30	0

Summary for Package Family: SNC (Pb-Free)

7 records

Sum

210 0

SOIC (Pb Free)

SZ163DAALL	M	124801	R1	CY14B101PA-SFXI	121	0	168	80	0
SZ163DAALL	M	124801	R1	CY14B101PA-SFXI	121	0	288	80	0
SZ24315EGN	RA	125106	R1	CY7C63743C-SXC	121	0	168	97	0



Summary Detail -- PCT Performance Over Time

SZ24315EGN	RA	125106	R1	CY7C63743C-SXC	121	0	288	92	0
SZ24315EGN	RA	125106	R2	CY7C63743C-SXC	121	0	168	100	0
SZ24315EGN	RA	125106	R2	CY7C63743C-SXC	121	0	288	100	0
SZ24315EGN	RA	125106	R3	CY7C63743C-SXC	121	0	168	100	0
SZ24315EGN	RA	125106	R3	CY7C63743C-SXC	121	0	288	100	0
SZ815PAFGN	RA	MR134062	R1	CY2305CSXI-1HT	121	0	168	30	0
SZ163DAALL	M	MR123047	R1	CY14B101P-SFXIT	121	0	168	30	0
SZ163DAALL	M	MR123047	R1	CY14B101P-SFXIT	121	0	288	30	0
SZ815PAGNC	RA	MR131086	R1	CY22801KSXC-020KA	121	0	168	45	0
SZ815PAGNC	RA	MR131086	R3	CY22801KSXC-020KA	121	0	168	45	0
SZ815PAGNC	RA	MR131086	R2	CY22801KSXC-021KA	121	0	168	45	0
SZ815CGAAS	M	MR131043	R1	CY2305CSXA-1HT	121	0	96	30	0
SZ815CGAAS	M	MR131043	R1	CY2305CSXA-1HT	121	0	168	30	0
SZ32451BLN	JT	MR124026	R1	CY7C53120E2-10SXI	121	0	168	30	0
SZ183CPEAN	RA	MR131031	R1	CY7C63723C-SXC	121	0	168	30	0
SZ24315DGN	RA	MR124054	R1	CY7C63823-SXC	121	0	168	30	0
SZ24315DGN	RA	MR124054	R1	CY7C63823-SXC	121	0	288	30	0
SZ323AEGAS	M	124706	R2	CY14B256LA-SZ25XI	121	0	168	117	0
SZ323AEGAS	M	124706	R3	CY14B256LA-SZ25XI	121	0	168	120	0
SZ283PDZLL	JT	130503	R1	CY7C199D-25SXE	121	0	96	77	0
SZ283PDZLL	JT	130503	R1	CY7C199D-25SXE	121	0	168	77	0
SZ283PDZLL	JT	130503	R2	CY7C199D-25SXE	121	0	96	77	0
SZ283PDZLL	JT	130503	R2	CY7C199D-25SXE	121	0	168	77	0
SZ283PDZLL	JT	130503	R3	CY7C199D-25SXE	121	0	96	77	0



Summary Detail -- PCT Performance Over Time

SZ283PDZLL	JT	130503	R3	CY7C199D-25SXE	121	0	168	77	0
SZ283PDZLL	JT	131602	R1	CY7C199D-25SXE	121	0	96	77	0
SZ283PDZLL	JT	131602	R1	CY7C199D-25SXE	121	0	168	77	0
SZ283PDZLL	JT	131602	R2	CY7C199D-25SXE	121	0	96	77	0
SZ283PDZLL	JT	131602	R2	CY7C199D-25SXE	121	0	168	77	0
SZ283PDZLL	JT	131602	R3	CY7C199D-25SXE	121	0	96	77	0
SZ283PDZLL	JT	131602	R3	CY7C199D-25SXE	121	0	168	77	0
SZ323AEGAS	M	MR121044	R1	CY14E256LA-SZ25XI	121	0	288	30	0
SZ815PAGNC	RA	MR131086	R1	CY22801KSXC-020KA	121	0	288	45	0
SZ815PAGNC	RA	MR131086	R2	CY22801KSXC-021KA	121	0	288	45	0
SZ815PAGNC	RA	MR131086	R3	CY22801KSXC-020KA	121	0	288	45	0
SZ1615KGNC	RA	MR131095	R1	CY2309NZSXC-1HKA	121	0	288	45	0
SZ1615KGNC	RA	MR131095	R1	CY2309NZSXC-1HKA	121	0	168	45	0
SZ1615KGNC	RA	MR131095	R2	CY2309NZSXC-1HKA	121	0	288	45	0
SZ1615KGNC	RA	MR131095	R2	CY2309NZSXC-1HKA	121	0	168	45	0
SZ1615KGNC	RA	MR131095	R3	CY2309NZSXC-1HKA	121	0	288	45	0
SZ1615KGNC	RA	MR131095	R3	CY2309NZSXC-1HKA	121	0	168	45	0
SZ28327CGL	JT	MR132018	R1	CY8C21345-24SXI	121	0	168	30	0
SZ08	UT	MR124085	R1	FM25H20-G	121	0	168	76	0
SZ08	UT	MR124085	R1	FM25H20-G	121	0	240	76	0
SZ08	UT	MR124085	R1	FM25H20-G	121	0	336	76	0
SZ08	UT	MR131058	R1	FML24CL64B-GA	121	0	168	76	0
SZ08	UT	MR131058	R1	FML24CL64B-GA	121	0	240	76	0
SZ08	UT	MR131058	R1	FML24CL64B-GA	121	0	336	76	0



Summary Detail -- PCT Performance Over Time

SZ08	UT	MR131061	R1	FM24W256-EG	121	0	168	76	0
SZ08	UT	MR131061	R1	FM24W256-EG	121	0	240	76	0
SZ08	UT	MR131061	R1	FM24W256-EG	121	0	336	76	0
SZ28	UT	MR124100	R1	FM18W08-SG	121	0	168	76	0
SZ28	UT	MR124100	R1	FM18W08-SG	121	0	240	76	0
SZ28	UT	MR124100	R1	FM18W08-SG	121	0	336	76	0
SZ1615FAL	T	MR123049	R1	CY8C20160-SX2IT	121	0	168	30	0
SZ1615FAL	T	MR124021	R1	CY8C20234-12SXIT	121	0	168	30	0
SZ1615FAL	T	MR131024	R1	CY8C20160-SX2IT	121	0	168	30	0
SZ1615FAL	T	MR132052	R1	CY8C20160-SX2IT	121	0	168	30	0
SZ1615LDGN	RA	MR132054	R1	CY7C63801-SXC	121	0	168	30	0
SZ323AEGAS	M	MR132058	R1	CY14B256LA-SZ25XIT	121	0	168	30	0
SZ815CGAAS	M	MR133022	R1	CY2305CSXA-1HT	121	0	168	29	0
SZ815CGAAS	M	MR133022	R1	CY2305CSXA-1HT	121	0	96	29	0
SZ183CPANC	RA	MR133039	R1	CY7C63813-SXCKP	121	0	168	45	0
SZ183CPANC	RA	MR133039	R2	CY7C63813-SXCKA	121	0	168	45	0
SZ183CPANC	RA	MR133039	R3	CY7C63723C-SXCKA	121	0	168	45	0
SZ183CPANC	RA	MR133039	R1	CY7C63813-SXCKP	121	0	288	45	0
SZ183CPANC	RA	MR133039	R2	CY7C63813-SXCKA	121	0	288	45	0
SZ183CPANC	RA	MR133039	R3	CY7C63723C-SXCKA	121	0	288	45	0
SZ24315EGN	RA	MR133044	R1	CP6604BMT	121	0	168	30	0
SZ1615EGNC	M	MR134023	R1	CY2308SXI-4	121	0	168	45	0
SZ1615EGNC	M	MR134023	R1	CY2308SXI-4	121	0	288	45	0
SZ1615EGNC	M	MR134023	R2	CY2308SXI-4	121	0	168	45	0



Summary Detail -- PCT Performance Over Time

SZ1615EGNC	M	MR134023	R2	CY2308SXI-4	121	0	288	45	0
SZ1615EGNC	M	MR134023	R3	CY2308SXI-4	121	0	168	45	0
SZ1615EGNC	M	MR134023	R3	CY2308SXI-4	121	0	288	45	0
SZ163DAALL	M	130703	R2	CY14B101P-SFXIT	121	0	168	77	0
SZ24315EGN	RA	133504	R1	CY7C63743CK4-SXC	121	0	168	77	0
SZ24315EGN	RA	133504	R1	CY7C63743CK4-SXC	121	0	288	77	0
SZ24315EGN	RA	133504	R2	CY7C63743CK4-SXC	121	0	168	85	0
SZ24315EGN	RA	133504	R2	CY7C63743CK4-SXC	121	0	288	85	0
SZ323AEGAS	M	MR132058	R1	CY14B256LA-SZ25XIT	121	0	288	30	0
SZ1615FAL	T	MR133013	R1	CY8C20160-SX2IT	121	0	168	30	0
Summary for Package Family: SOIC (Pb Free)			85	records				4961	0
Sum									
SOJ									
V2835BGBLN	JT	MR131022	R1	CY7C185-15VIT	121	0	168	30	0
V2835BGBLN	JT	MR132043	R1	CY7C185-15VI	121	0	168	30	0
V2835BGBLN	JT	MR133029	R1	CY7C185-15VIT	121	0	168	30	0
Summary for Package Family: SOJ			3	records				90	0
Sum									
SOJ (Pb-Free)									
VZ2847AAAR	OP	MR114074	R1	CY7C107D-10VXI	121	0	288	26	0
VZ32314CLL	JT	MR131023	R1	CY7C1018DV33-10VXIT	121	0	168	30	0
VZ28314CLN	JT	MR132028	R1	CY7C199D-10VXIT	121	0	168	30	0
VZ3649BBLN	JT	MR133005	R1	CY7C1049DV33-10VXIT	121	0	168	30	0
VZ444ACCLN	JT	MR134033	R1	CY7C1021DV33-10VXI	121	0	168	30	0



Summary Detail -- PCT Performance Over Time

Summary for Package Family: SOJ (Pb-Free)

5

records

								Sum	146	0
SSOP (Pb-Free)										
SP2822BGL	M	MR124030	R1	CY8C21534-24PVXAT	121	0	168	30	0	
SP282ABBGN	RA	124801	R3	CY7C64215-28PVXC	121	0	168	80	0	
SP282ABBGN	RA	124801	R3	CY7C64215-28PVXC	121	0	288	80	0	
SP563DBC GN	JT	MR123029	R1	CY7C68013A-56PVXC	121	0	168	30	0	
SP563DBC GN	JT	MR123029	R1	CY7C68013A-56PVXC	121	0	288	28	0	
SP28214GL	T	MR124035	R1	CY8C24423A-24PVXI	121	0	288	30	0	
SP2024CAGL	M	MR131042	R1	CY8C21334-24PVXAT	121	0	96	30	0	
SP2024CAGL	M	MR131042	R1	CY8C21334-24PVXAT	121	0	168	30	0	
SP563DBC GN	JT	MR131048	R1	CY7C68013A-56PVXC	121	0	168	30	0	
SP202ABGNC	RA	MR131093	R1	CY8C21334-24PVXIIKA	121	0	168	45	0	
SP202AAGNC	RA	MR131093	R2	CY8C27243-24PVXIIKA	121	0	168	45	0	
SP282AAANC	RA	131804	R1	CY8C4245PVI-482	121	0	168	80	0	
SP282AAANC	RA	131804	R1	CY8C4245PVI-482	121	0	288	78	0	
SP282AAANC	RA	131804	R2	CY8C4245PVI-482	121	0	168	78	0	
SP282AAANC	RA	131804	R2	CY8C4245PVI-482	121	0	288	78	0	
SP282AAANC	RA	131804	R3	CY8C4125PVI-482	121	0	168	78	0	
SP282AAANC	RA	131804	R3	CY8C4125PVI-482	121	0	288	78	0	
SP282ABBGN	RA	MR131057	R1	CY8C24533-24PVXI	121	0	168	30	0	
SP202ABGNC	RA	MR131093	R1	CY8C21334-24PVXIIKA	121	0	288	45	0	
SP202AAGNC	RA	MR131093	R2	CY8C27243-24PVXIIKA	121	0	288	45	0	
SP282ABGNC	R	MR131093	R3	CY8C21534-24PVXIIKA	121	0	168	45	0	



Summary Detail -- PCT Performance Over Time

SP282ABGNC	R	MR131093	R3	CY8C21534-24PVXIIKA	121	0	288	45	0
SP2822BGL	M	MR132013	R1	CG7127AMT	121	0	96	30	0
SP2822BGL	M	MR132013	R1	CG7127AMT	121	0	168	30	0
SP483FBBGN	RA	MR132045	R1	CY7C63413C-PVXC	150	0	168	30	0
SP483JBCLL	JT	MR124036	R1	CY14B101LA-SP45XIT	121	0	168	30	0
SP202AAHAL	T	MR131056	R1	CY2CC910OXIT	121	0	168	30	0
SP563DBC GN	JT	MR132036	R1	CY7C68013A-56PVXC	121	0	168	30	0
SP202AAHAL	T	MR132050	R1	CY2CC910OXIT	121	0	168	30	0
SP2814GALC	T	MR133006	R1	CY8C27443-24PVXI	121	0	168	45	0
SP2814GALC	T	MR133006	R2	CY8C27443-24PVXI	121	0	168	45	0
SP2814GALC	T	MR133006	R3	CY8C27443-24PVXI	121	0	168	45	0
SP202AAHAL	T	MR133009	R1	CY2CC910OXI	121	0	168	30	0
SP2024CAGL	M	MR133047	R1	CY8C21334-24PVXAT	121	0	96	30	0
SP2024CAGL	M	MR133047	R1	CY8C21334-24PVXAT	121	0	168	30	0
SP2814GALC	T	MR133006	R2	CY8C27443-24PVXI	121	0	288	45	0
SP2814GALC	T	MR133006	R3	CY8C27443-24PVXI	121	0	288	45	0
SP282ABBGN	RA	MR133043	R1	CY7C64215-28PVXCT	121	0	8H	30	0
SP563DBC GN	JT	MR133054	R1	CY7C68013A-56PVXC	121	0	168	30	0
SP2822BGL	M	MR134005	R1	CG7127AMT	121	0	96	30	0
SP563DBC GN	JT	MR134015	R1	CY7C68013A-56PVXC	121	0	168	30	0
SP28CAAARC	JT	133002	R1	CY8C4125PVI-482	121	0	168	80	0
SP28CAAARC	JT	133002	R1	CY8C4125PVI-482	121	0	288	80	0
SP28CAAARC	JT	133002	R2	CY8C4125PVI-482	121	0	168	80	0
SP28CAAARC	JT	133002	R2	CY8C4125PVI-482	121	0	288	80	0



Summary Detail -- PCT Performance Over Time

SP28CAAARC	JT	133002	R3	CY8C4125PVI-482	121	0	168	80	0
SP28CAAARC	JT	133002	R3	CY8C4125PVI-482	121	0	288	80	0
SP483MBBGN	RA	125201	R1	CY8C3866PVI-070	121	0	168	97	0
SP483MBBGN	RA	125201	R1	CY8C3866PVI-070	121	0	288	92	0
SP483MBBGN	RA	125201	R2	CY8C3866PVI-070	121	0	168	100	0
SP483MBBGN	RA	125201	R2	CY8C3866PVI-070	121	0	288	100	0
SP483MBBGN	RA	125201	R3	CY8C3866PVI-070	121	0	168	100	0
SP483MBBGN	RA	125201	R3	CY8C3866PVI-070	121	0	288	100	0
Summary for Package Family: SSOP (Pb-Free)			53	records				2852	0
Sum									
TQFP (Pb-Free)									
AZ44ABAASC	G	123502	R4	CY8C4245AXI-018ES	121	0	168	77	0
AZ44ABAASC	G	123502	R4	CY8C4245AXI-018ES	121	0	288	77	0
AZ44ABAASC	G	123808	R3	CY8C4245AXI-018ES	121	0	168	80	0
AZ44ABAASC	G	123808	R2	CY8C4245AXI-018ES	121	0	168	80	0
AZ44ABAASC	G	123808	R1	CY8C4245AXI-018ES	121	0	168	77	0
AZ52AAGAL	Q	MR114056	R2	CY29972AXI	121	0	8H	30	0
AZ52AAGAL	Q	MR121039	R1	CY29972AXI	121	0	8H	30	0
AZ100KGAN	G	MR124050	R1	CY7C024AV-25AXI	121	0	288	30	0
AZ100SFGL	JT	MR124059	R1	CY7C67300-100AXA	121	0	96	30	0
AZ100SFGL	JT	MR124059	R1	CY7C67300-100AXA	121	0	168	30	0
AZ128SACLL	JT	MR131052	R1	CY7C68013A-128AXC	121	0	168	30	0
AZ128SACLL	JT	MR131052	R1	CY7C68013A-128AXC	121	0	288	30	0
AZ100RVLN	JT	MR132014	R1	CY7C68320C-100AXA	121	0	96	29	0



Summary Detail -- PCT Performance Over Time

AZ100RVLN	JT	MR132014	R1	CY7C68320C-100AXA	121	0	168	29	0
AZ44SGBHAN	JT	MR132017	R1	CY8C22545-24AXI	121	0	168	30	0
AZ100RMBLN	RA	MR132034	R1	CY7C1370D-167AXC	121	0	168	30	0
AZ64EXGAAL	G	MR124024	R1	CP5790DM	121	0	168	29	0
AZ32LXGAN	L	MR124060	R1	CY29948AXI	121	0	168	30	0
AZ64EXGAAL	G	MR131029	R1	CP5790DM	121	0	168	30	0
AZ32LXGAN	L	MR132019	R1	CY29948AXIT	121	0	168	30	0
AZ128BGALC	G	MR133001	R1	CY7C64713-128AXC	121	0	168	45	0
AZ128BGALC	G	MR133001	R1	CY7C64713-128AXC	121	0	500	39	0
AZ128BGALC	G	MR133001	R2	CY7C64713-128AXC	121	0	168	45	0
AZ128BGALC	G	MR133001	R2	CY7C64713-128AXC	121	0	500	45	0
AZ128BGALC	G	MR133001	R3	CY7C64713-128AXC	121	0	168	45	0
AZ128BGALC	G	MR133001	R3	CY7C64713-128AXC	121	0	500	45	0
AZ100RVLN	JT	MR133015	R1	CY7C68320C-100AXA	121	0	96	30	0
AZ100RVLN	JT	MR133015	R1	CY7C68320C-100AXA	121	0	168	30	0
AZ100SFELL	RA	124501	R1	CY8C3446AXI-099	121	0	176	5	0
AZ100SJALC	R	133003	R1A	CY8C3866AXA-040ES5	121	0	96	80	0
AZ100SJALC	R	133003	R1A	CY8C3866AXA-040ES5	121	0	168	80	0
AZ44ASHLLC	R	133102	R1	CY8C4245AXI-483	121	0	168	80	0
AZ44ASHLLC	R	133102	R1	CY8C4245AXI-483	121	0	288	80	0
AZ44ASHLLC	R	133102	R2	CY8C4245AXI-483	121	0	168	80	0
AZ44ASHLLC	R	133102	R2	CY8C4245AXI-483	121	0	288	80	0
AZ44ASHLLC	R	133102	R3	CY8C4245AXI-483	121	0	168	80	0
AZ44ASHLLC	R	133102	R3	CY8C4245AXI-483	121	0	288	79	0



Summary Detail -- PCT Performance Over Time

AZ128BGALC	G	120201	R6	CY7C64713-128AXC	121	0	168	45	0
AZ128BGALC	G	120201	R6	CY7C64713-128AXC	121	0	500	40	0
AZ100SJALC	R	133902	R1	CY8C3866AXA-040ES5	121	0	96	80	0
AZ100SJALC	R	133902	R1	CY8C3866AXA-040ES5	121	0	168	80	0
AZ100SJALC	R	133902	R3	CY8C3846AXE4-175	121	0	96	79	0
AZ100SJALC	R	133902	R3	CY8C3846AXE4-175	121	0	168	79	0
AZ100SJALC	R	133902	R2B	CY8C3846AXE4-175	121	0	96	80	0
AZ64IBABLN	JT	MR133067	R1	CY7C53150-20AXI	121	0	168	30	0
AZ100RMLNC	R	MR134039	R1	CY7C1370D-167AXIKA	121	0	168	30	0
AZ64EXGAAL	G	MR133016	R1	CP5790DM	121	0	168	30	0
AZ32MAAGSC	G	MR133040	R2	CY7B9950AXCKG	121	0	168	45	0
Summary for Package Family: TQFP (Pb-Free)			48	records				2424	0
Sum									
TSOP (Pb-free)									
ZT28R2ABGN	JT	MR131030	R1	CY62256NLL-55ZXAT	121	0	96	27	0
ZT28R2ABGN	JT	MR131030	R1	CY62256NLL-55ZXAT	121	0	168	27	0
ZT32RAEDLN	RA	MR131041	R1	CY62128ELL-45ZXIT	121	0	168	30	0
ZT48ACALL	G	MR131019	R1	CY62167DV30LL-55ZXI	121	0	168	30	0
ZT32RAEDLN	RA	MR132023	R1	CY62128ELL-45ZXI	121	0	168	30	0
ZT28R2BCLN	JT	MR132038	R1	CY62256NLL-55ZXI	121	0	168	30	0
ZT32RADLNC	RA	MR132048	R1	CY62128ELL-45ZXIKA	121	0	168	45	0
ZT32RADLNC	RA	MR132048	R1	CY62128ELL-45ZXIKA	121	0	288	45	0
ZT32RADLNC	RA	MR132048	R2	CY62128ELL-45ZXIKA	121	0	168	45	0
ZT32RADLNC	RA	MR132048	R2	CY62128ELL-45ZXIKA	121	0	288	45	0



Summary Detail -- PCT Performance Over Time

ZT32RADLNC	RA	MR132048	R3	CY62128ELL-45ZXIKA	121	0	168	45	0
ZT32RADLNC	RA	MR132048	R3	CY62128ELL-45ZXIKA	121	0	288	45	0
ZT32RBBALL	T	MR132051	R1	CY62128ELL-45ZXAT	121	0	96	30	0
ZT32RBBALL	T	MR132051	R1	CY62128ELL-45ZXAT	121	0	168	30	0
ZT32RAEDLN	RA	MR133004	R1	CY62128ELL-45ZXIT	121	0	168	30	0
ZT48ARALRC	G	131008	R1	CY62167GE30-45ZXIES	121	0	168	80	0
ZT48ARALRC	G	131008	R1	CY62167GE30-45ZXIES	121	0	288	80	0
ZT28R2ABGN	JT	MR133035	R1	CY62256NLL-55ZXAT	121	0	8	30	0
ZT28R2ABGN	JT	MR133035	R1	CY62256NLL-55ZXAT	121	0	168	30	0
ZT32RAEDLN	RA	MR134022	R1	CY62128EV30LL-45ZXI	121	0	168	30	0
ZT32RAEDLN	RA	MR134022	R1	CY62128EV30LL-45ZXI	121	0	288	28	0
ZT48AJAALL	T	MR124057	R1	CY62157EV30LL-45ZXA	121	0	168	28	0
Summary for Package Family: TSOP (Pb-Free)			22	records				840	0
Sum								840	0
TSOP I (Pb-Free)									
ZB32RHBLN	JT	MR131025	R1	CY62148ESL-55ZAXAT	121	0	96	30	0
ZB32RHBLN	JT	MR131025	R1	CY62148ESL-55ZAXAT	121	0	168	30	0
ZB32RHCALN	JT	MR132033	R1	CY62128EV30LL-45ZAXIT	121	0	168	30	0
ZB32RHBLN	JT	MR133041	R1	CY62148ESL-55ZAXA	121	0	168	30	0
ZB32RHBLN	JT	MR133041	R1	CY62148ESL-55ZAXA	121	0	168	30	0
ZB32RHCALN	JT	MR134032	R1	CY62128EV30LL-45ZAXI	121	0	168	30	0
Summary for Package Family: TSOP I (Pb-Free)			6	records				180	0
Sum								180	0
TSOP II (Pb-Free)									



Summary Detail -- PCT Performance Over Time

ZW444ALLR	G	MR124042	R1	CY7C1051DV33-10ZSXI	121	0	288	30	0
ZW444AAGLL	T	124801	R2	CY7C1049DV33-10ZSXI	121	0	168	80	0
ZW444AAGLL	T	124801	R2	CY7C1049DV33-10ZSXI	121	0	288	80	0
ZW444AKDLN	JT	MR124048	R1	CY7C1041CV33-20ZSXET	121	0	168	30	0
ZW324FBGL	T	MR124049	R1	CY7C1019CV33-10ZXAT	121	0	96	29	0
ZW324FBGL	T	MR124049	R1	CY7C1019CV33-10ZXAT	121	0	168	29	0
ZW444ALLR	G	MR131008	R1	CY7C1051DV33-12ZSXIT	121	0	168	30	0
ZW444ALLR	G	MR131008	R1	CY7C1051DV33-12ZSXIT	121	0	288	30	0
ZW444AXAGL	RA	MR131027	R1	CY7C1041DV33-10ZSXIT	121	0	168	30	0
ZW324FBGL	T	MR131034	R1	CY7C1019CV33-10ZXAT	121	0	96	30	0
ZW544AALL	G	MR131006	R1	CY7C1061AV33-10ZXIT	121	0	168	29	0
ZW444AKDLN	JT	MR131054	R1	CY7C1041CV33-12ZSXE	121	0	96	30	0
ZW444AKDLN	JT	MR131054	R1	CY7C1041CV33-12ZSXE	121	0	168	30	0
ZW444AYAGLC	RA	MR132001	R1	CY62137FV30LL-45XIKA	121	0	168	45	0
ZW444AYAGLC	RA	MR132001	R1	CY62137FV30LL-45XIKA	121	0	288	45	0
ZW444AYAGLC	RA	MR132001	R1	CY62137FV30LL-45XIKA	121	0	500	45	0
ZW444AYAGLC	RA	MR132001	R2	CY62137FV30LL-45XIKA	121	0	168	45	0
ZW444AYAGLC	RA	MR132001	R2	CY62137FV30LL-45XIKA	121	0	288	45	0
ZW444AYAGLC	RA	MR132001	R2	CY62137FV30LL-45XIKA	121	0	500	45	0
ZW444ABYGLC	RA	MR132001	R3	CY621472E30LL-45XIKA	121	0	168	45	0
ZW444ABYGLC	RA	MR132001	R3	CY621472E30LL-45XIKA	121	0	288	45	0
ZW444ABYGLC	RA	MR132001	R3	CY621472E30LL-45XIKA	121	0	500	45	0
ZW444AXYAGL	RA	MR132002	R1	CY7C1041DV33-10ZSXI	121	0	168	30	0
ZW444AOLN	JT	MR132015	R1	CY62146EV30LL-45ZSXA	121	0	96	30	0



Summary Detail -- PCT Performance Over Time

ZW444AOLN	JT	MR132015	R1	CY62146EV30LL-45ZSXA	121	0	168	30	0
ZW444ALLR	G	MR132024	R1	CY7C1059DV33-10ZSXI	121	0	168	28	0
ZW444AAGLL	T	MR132041	R1	CY62146EV30LL-45ZSXI	121	0	168	30	0
ZW324CBLLC	T	MR132044	R1	CY62148ELL-45ZSXIKO	121	0	168	45	0
ZW324CBLLC	T	MR132044	R2	CY62148ELL-45ZSXIKO	121	0	168	45	0
ZW324CBLLC	T	MR132044	R2	CY62148ELL-45ZSXIKO	121	0	288	45	0
ZW324CBLLC	T	MR132044	R3	CY62148ELL-45ZSXIKO	121	0	168	44	0
ZW444ALLR	G	MR132059	R1	CY7C1051DV33-10ZSXI	121	0	168	26	0
ZW444XYAGL	RA	MR133003	R1	CY7C1041DV33-10ZSXIT	121	0	168	30	0
ZW444AIHLL	JT	MR133026	R1	CY7C1021DV33-10ZSXAT	121	0	96	30	0
ZW444AIHLL	JT	MR133026	R1	CY7C1021DV33-10ZSXAT	121	0	168	30	0
ZW324FBGL	T	MR133048	R1	CY7C1019CV33-10ZXAT	121	0	96	30	0
ZW324FBGL	T	MR133048	R1	CY7C1019CV33-10ZXAT	121	0	168	30	0
ZW544AALL	G	MR133056	R1	CY7C1061AV33-10ZXC	121	0	168	30	0
ZW444ALLR	G	MR133058	R1	CY7C1051DV33-12ZSXIT	121	0	168	30	0
ZW444XYAGL	RA	MR134001	R1	CY7C1041DV33-10ZSXIT	121	0	168	30	0
ZW444ALLR	G	MR134006	R1	CY7C1051DV33-10ZSXI	121	0	168	30	0
ZW444AKDLN	JT	125002	R1	7A134101F	121	0	96	80	0
ZW444AKDLN	JT	125002	R1	7A134101F	121	0	168	80	0
ZW444AKDLN	JT	125002	R2	7A134101F	121	0	96	80	0
ZW444AKDLN	JT	125002	R2	7A134101F	121	0	168	79	0
ZW444AKDLN	JT	125002	R3	7A134101F	121	0	96	80	0
ZW444AKDLN	JT	125002	R3	7A134101F	121	0	168	80	0
ZW444AKDLN	JT	131001	R1	CY7C1041CV33-12ZSXE	121	0	96	80	0



Summary Detail -- PCT Performance Over Time

ZW444AKDLN	JT	131001	R1	CY7C1041CV33-12ZSXE	121	0	168	80	0
ZW444AKDLN	JT	131001	R2	CY7C1041CV33-12ZSXE	121	0	96	80	0
ZW444AKDLN	JT	131001	R2	CY7C1041CV33-12ZSXE	121	0	168	80	0
ZW444AKDLN	JT	131001	R3	CY7C1041CV33-12ZSXE	121	0	96	80	0
ZW444AKDLN	JT	131001	R3	CY7C1041CV33-12ZSXE	121	0	168	80	0
ZW54ARALRC	G	131009	R1	CY7C1061G30-10ZSXIES	121	0	168	80	0
ZW44AYAGLC	RA	121406	R4	CY62137FV30LL-45XIKA	121	0	168	45	0
ZW44AYAGLC	RA	121406	R4	CY62137FV30LL-45XIKA	121	0	288	45	0
ZW44AYAGLC	RA	121406	R4	CY62137FV30LL-45XIKA	121	0	500	45	0
Summary for Package Family: TSOP II (Pb-Free)			57	records					
Sum								2689	0
TSSOP (Pb-Free)									
ZZ0812BGLC	T	MR131089	R1	CY2304NZZXI-1KO	121	0	168	77	0
ZZ1620GBAN	RA	124204	R2	CY22388KZXC-16A	121	0	288	111	0
ZZ2817ABGL	RA	124204	R3	CY24272ZXC	121	0	288	112	0
ZZ1620GBAN	RA	MR131051	R1	CY22392FXC	121	0	168	30	0
ZZ0812BGLC	T	MR131089	R2	CY2304NZZXC-1KO	121	0	168	45	0
ZZ2014BGNC	T	MR131096	R1	CY25404ZXI-003KO	121	0	168	45	0
ZZ2014BGNC	T	MR131096	R1	CY25404ZXI-003KO	121	0	288	45	0
ZZ2014BGNC	T	MR131096	R2	CY25404ZXI-005KO	121	0	168	45	0
ZZ2014BGNC	T	MR131096	R2	CY25404ZXI-005KO	121	0	288	45	0
ZZ2014BGNC	T	MR131096	R3	CY25404ZXI009KO	121	0	168	45	0
ZZ2014BGNC	T	MR131096	R3	CY25404ZXI009KO	121	0	288	45	0
ZZ1620GBAN	RA	MR132010	R1	CY22394FXCT	121	0	168	30	0



Summary Detail -- PCT Performance Over Time

ZZ2014BGN	T	MR132026	R1	CY25404ZXI-003T	121	0	168	30	0
ZZ0812BGLC	T	MR131055	R1	CY2304NZZXC-1KO	121	0	168	29	0
ZZ2014BGNC	T	MR131096	R1	CY25404ZXI-003KO	121	0	500	45	0
ZZ2014BGNC	T	MR131096	R2	CY25404ZXI-005KO	121	0	500	45	0
ZZ2014BGNC	T	MR131096	R3	CY25404ZXI009KO	121	0	500	45	0
ZZ0812BGL	T	MR133010	R1	CY2304NZZXI-1T	121	0	168	30	0
ZZ1620GBAN	RA	MR133012	R1	CY22393FXCT	121	0	168	30	0
ZZ0812BGLC	T	MR133018	R1	CY2304NZZXI-1	121	0	168	45	0
ZZ0812BGLC	T	MR133018	R2	CY2304NZZXI-1	121	0	168	45	0
ZZ0812BGLC	T	MR133018	R3	CY2304NZZXI-1	121	0	168	45	0
ZZ2014BGNC	T	120410	R5	CY25404ZXI-003KO	121	0	168	45	0
ZZ2014BGNC	T	120410	R5	CY25404ZXI-003KO	121	0	288	45	0
ZZ2014BGNC	T	120410	R5	CY25404ZXI-003KO	121	0	500	45	0
ZZ0812BGLC	T	MR133018	R1	CY2304NZZXI-1	121	0	288	45	0
ZZ0812BGLC	T	MR133018	R2	CY2304NZZXI-1	121	0	288	45	0
ZZ0812BGLC	T	MR133018	R3	CY2304NZZXI-1	121	0	288	45	0
ZZ1620GANC	RA	MR133053	R1	CY22150FZXCKA	121	0	168	45	0
ZZ1620GANC	RA	MR133053	R1	CY22150FZXCKA	121	0	288	45	0
ZZ1620GANC	RA	MR133053	R2	CY22150KFZXCKA	121	0	168	45	0
ZZ1620GANC	RA	MR133053	R2	CY22150KFZXCKA	121	0	288	45	0
ZZ1620DANC	RA	MR133053	R3	CY2309CZXC-1HKA	121	0	168	45	0
ZZ1620GBAN	RA	MR134012	R1	CY22393FXI	121	0	168	30	0
ZZ0812BGL	T	MR133010	R1	CY2304NZZXI-1T	121	0	288	30	0

Summary for Package Family: TSSOP
(Pb-Free)

35

records



Summary Detail -- PCT Performance Over Time

								Sum	1619	0
VFBGA (0.75-0.8, 0.3mm)										
BV48CFAALE	G	MR131018	R1	CY62157EV30LL-45BVIT	121	0	168	26	0	
BV48CLALE	G	MR124055	R1	CY7C1041DV33-10BVIT	121	0	168	30	0	
BV48CLALE	G	MR124055	R1	CY7C1041DV33-10BVIT	121	0	288	30	0	
BV48CRALE	G	MR132039	R1	CY62167EV30LL-45BVIT	121	0	168	30	0	
Summary for Package Family: VFBGA (0.75-0.8, 0.3mm)			4	records						
								Sum	116	0
VFBGA (0.75-0.8, 0.3mm, Pb-Free)										
BZ100BABLL	RA	MR124051	R1	CYDMX128A16-65BVXIT	121	0	168	30	0	
BZ100BABLL	RA	MR124051	R1	CYDMX128A16-65BVXIT	121	0	288	30	0	
BZ48CLALLC	G	MR124088	R2	CY7C1041DV33-10BVJXIT	121	0	168	80	0	
BZ48CLALLC	G	MR124088	R2	CY7C1041DV33-10BVJXIT	121	0	288	80	0	
BZ48CHALLC	G	MR124088	R3	CY62126EV30LL-45BVXIT	121	0	168	77	0	
BZ48CEAALL	G	MR131035	R1	CY62147EV30LL-45BVXA	121	0	96	30	0	
BZ48CEAALL	G	MR131035	R1	CY62147EV30LL-45BVXA	121	0	168	30	0	
BZ48CKALLC	RA	MR131090	R1	CY7C1041DV33-10BVXIT	121	0	168	42	0	
BZ48CKALLC	RA	MR131090	R2	CY7C1041DV33-10BVXIT	121	0	168	45	0	
BZ48CKALLC	RA	MR131090	R3	CY7C1041DV33-10BVXIT	121	0	168	44	0	
BZ48CNALLC	G	MR131091	R3	CY62167DV30LL-55BVXI	121	0	168	45	0	
BZ48CLALLC	G	MR124088	R2	CY7C1041DV33-10BVJXIT	121	0	500	80	0	
BZ48CKALLC	RA	MR131090	R1_Split	CY7C1041DV33-10BVXIT	121	0	500	42	0	
BZ48CKALLC	RA	MR131090	R1_Split 1	CY7C1041DV33-10BVXIT	121	0	288	31	0	
BZ48CKALLC	RA	MR131090	R1_Slit 2	CY7C1041DV33-10BVXIT	121	0	288	11	0	



Summary Detail -- PCT Performance Over Time

BZ48CKALLC	RA	MR131090	R2_Split 2	CY7C1041DV33-10BVXIT	121	0	288	2	0
BZ48CKALLC	RA	MR131090	R3_Split 2	CY7C1041DV33-10BVXIT	121	0	288	5	0
BZ48CKAALL	RA	MR131028	R1	CY7C1041DV33-10BVXIT	121	0	168	30	0
BZ48CLAALL	G	MR132011	R1	CY7C1041DV33-10BVXI	121	0	168	30	0
BZ56GABGL	RA	MR133036	R1	CY7C68053-56BAXIT	121	0	8H	30	0
BZ48CRALLC	G	MR134003	R1	CY62167EV30LL-45BVXI	121	0	168	30	0
BZ100BABLL	RA	MR134008	R1	CYDMX128A16-65BVXIT	121	0	168	30	0
BZ48CKALLC	RA	120610	R4	CY7C1041DV33-10BVXIT	121	0	168	45	0
BZ48CKALLC	RA	120610	R4_Split 1	CY7C1041DV33-10BVXIT	121	0	288	31	0
BZ48CKALLC	RA	120610	R4_Split 2	CY7C1041DV33-10BVXIT	121	0	288	11	0
BZ48CKALLC	RA	120610	R4	CY7C1041DV33-10BVXIT	121	0	500	42	0
BZ48CLALLC	G	120612	R5	CY7C1041DV33-10BVJXIT	121	0	168	80	0
BZ48CLALLC	G	120612	R5	CY7C1041DV33-10BVJXIT	121	0	288	80	0
BZ48CLALLC	G	120612	R5	CY7C1041DV33-10BVJXIT	121	0	500	80	0
BZ48ZEAALC	RA	130801	R1	CY62157EV30LL-45BVXI	121	0	96	76	0
BZ48ZEAALC	RA	130801	R1	CY62157EV30LL-45BVXI	121	0	168	65	0
BZ48ARALLC	G	131204	R1	CY62167GE30-45BVXIES	121	0	168	80	0
BZ48ARALLC	G	131204	R1	CY62167GE30-45BVXIES	121	0	288	79	0
Summary for Package Family: VFBGA (0.75-0.8, 0.3mm, Pb-Free)			33	records					
Sum								1523	0
PBGA (Pb-Free)									
BY119SALL	G	MR131046	R1	CY7C1354C-200BGXC	121	0	168	30	0
BY119SALL	G	MR132009	R1	CY7C1354C-200BGXC	121	0	168	30	0



Summary Detail -- PCT Performance Over Time

BY119SALL	G	MR133027	R1	CY7C1354C-200BGXCT	121	0	168	30	0
BY119RALLC	G	131010	R1	CY62162G30-45BGXIES	121	0	168	80	0
Summary for Package Family: PBGA (Pb-Free)			4	records					
Sum								170	0
FCBGA									
FR361BALL	G	121904	R1A	CY7C4141KV12-600FCXC	121	0	96	77	0
FR361BALL	G	121904	R1A	CY7C4141KV12-600FCXC	121	0	168	77	0
FR361BALL	G	121904	R1A	CY7C4141KV12-600FCXC	121	0	288	77	0
FR361BALL	G	121904	R2	CY7C4141K	121	0	96	77	0
FR361BALL	G	121904	R2	CY7C4141K	121	0	168	77	0
FR361BALL	G	121904	R2	CY7C4141K	121	0	288	77	0
FR361BALL	G	121904	R2B	CY7C4141K	121	0	96	77	0
FR361BALL	G	121904	R2B	CY7C4141K	121	0	168	77	0
FR361BALL	G	121904	R2B	CY7C4141K	121	0	288	77	0
FR361BALL	G	122002	R2	CY7C4141K	121	0	96	77	0
FR361BALL	G	122002	R2	CY7C4141K	121	0	168	77	0
FR361BALL	G	122002	R2	CY7C4141K	121	0	288	77	0
FR361BALL	G	122002	R3	CY7C4141KV12-600FCXC	121	0	96	73	0
FR361BALL	G	122002	R3	CY7C4141KV12-600FCXC	121	0	168	73	0
FR361BALL	G	122002	R3	CY7C4141KV12-600FCXC	121	0	288	73	0



Summary Detail -- PCT Performance Over Time

FR361BALL	G	122002	R5	CY7C4141K	121	0	96	77	0
FR361BALL	G	122002	R5	CY7C4141K	121	0	168	77	0
FR361BALL	G	122002	R5	CY7C4141K	121	0	288	77	0
Summary for Package Family: FCBGA			18	records					
Sum							1374	0	



Summary Detail -- TCT Performance Over Time

BUILDKIT	ASSY SITE	EVALNUM	TV	DEVICE	TEMP	VOLT	READOUT	SS	REJECT	FA	COMMENTS	
UFBGA (Pb-free)												
BU70AAAAALC	G	131303	R1C	CY8CTMA568-70BUIES	150/-65	0	500	80	0			
BU70AAAAALC	G	131303	R1C	CY8CTMA568-70BUIES	150/-65	0	1000	80	0			
BU60AAAAAL	G	MR124013	R1	CY8CTMA463-60BUI	150/-65	0	1000	30	0			
BU60AAAAAL	G	MR131014	R1	CY8CTMA463-60BUI	150/-65	0	500	30	0			
BU84AAAAAL	G	MR132005	R1	CY8CTMA1036BUI-33T	150/-65	0	500	30	0			
BU60AAAAAL	G	MR133055	R1	CY8CTMA463-60BUI	150/-65	0	500	30	0			
BU60ABAALC	AC	MR133065	R1	CY8CTMA4638-60BUIKC	150/-65	0	500	30	0			
Summary for Package Family: UFBGA (Pb-free)			7	records								
Sum								310	0			
FBGA (0.75-0.8, 0.3mm)												
BA48ZGALE	G	MR131053	R1	CY7C1021BNV33L-15BAI	150/-65	0	500	30	0			
BA48ZGALE	G	MR131053	R1	CY7C1021BNV33L-15BAI	150/-65	0	1000	30	0			
BA48ZGALE	G	MR132030	R1	CY7C1021BNV33L-15BAI	150/-65	0	500	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)												
BK121BAGLC	RA	MR131085	R1	CG7648AMT	150/-65	0	500	44	0			
BK121BAGLC	RA	MR131085	R1	CG7648AMT	150/-65	0	1000	44	0			
BK121BAGLC	RA	MR131085	R2	CG7648AMT	150/-65	0	500	45	0			
BK121BAGLC	RA	MR131085	R2	CG7648AMT	150/-65	0	1000	45	0			
BK121BAGLC	RA	MR131085	R3	CG7648AMT	150/-65	0	500	45	0			



Summary Detail -- TCT Performance Over Time

BK121BGAGL	RA	MR131045	R1	CYUSB3011-BZXC	150/-65	0	500	30	0		
BK48DJALL	G	MR131007	R1	CY62177DV30LL-55BAXI	150/-65	0	500	29	1	MR131007-1T1	Lifted Ball
BK48DJALL	G	MR131007	R1	CY62177DV30LL-55BAXI	150/-65	0	1000	27	0		
BK48DJALL	G	MR124056	R1	CY62177DV30LL-55BAXI	150/-65	0	500	30	0		
BK48DJALL	G	MR124056	R1	CY62177DV30LL-55BAXI	150/-65	0	1000	30	0		
BK121BGAGL	RA	MR124053	R1	CG7648AM	150/-65	0	500	30	0		
BK121BGAGL	RA	MR124053	R1	CG7648AM	150/-65	0	1000	30	0		
BK48NZAAGL	G	MR124027	R1	CY14V101LA-BA45XIT	150/-65	0	500	30	0		
BK121BGAGL	RA	MR132055	R1	CG7648AMT	150/-65	0	500	29	1	MR132055-1T1	Broken Wire
BK121BGAGL	RA	MR132055	R1	CG7648AMT	150/-65	0	1000	27	0		
BK48DJALL	G	MR133008	R1	CY62177DV30LL-55BAXI	150/-65	0	500	30	0		
BK48DJALL	G	MR132047	R1	CY62177DV30LL-55BAXIT	150/-65	0	1000	25	0		
BK48DJALL	G	MR132047	R1	CY62177DV30LL-55BAXIT	150/-65	0	500	29	0		
BK48NZAAGL	G	MR132049	R1	CY14V101LA-BA45XIT	150/-65	0	500	30	0		
BK48NZAAGL	G	MR131017	R1	CY14V256LA-BA35XI	150/-65	0	500	30	0		
BK121DAGLC	G	MR133038	R2	CG7648AM	150/-65	0	500	45	0		
BK121DAGLC	G	MR133038	R1	CG7648AM	150/-65	0	500	45	0		
BK121DAGLC	G	MR133038	R3	CG7648AM	150/-65	0	500	45	0		
BK121DAGLC	G	MR133038	R3	CG7648AM	150/-65	0	1000	45	0		
BK48NZAAGL	G	MR134002	R1	CY14V101LA-BA45XI	150/-65	0	500	30	0		
BK121BGAGL	RA	MR134011	R1	CYUSB3011-BZXC	150/-65	0	500	30	1	MR134011-1T1	Broken Wire
BK121BGAGL	RA	MR134011	R1	CYUSB3011-BZXC	150/-65	0	1000	26	0		
BK48MABALL	G	133401	R1	CY7C1011CV33-10BAJXE	150/-65	0	500	85	0		
BK48MABALL	G	133401	R1	CY7C1011CV33-10BAJXE	150/-65	0	1000	77	0		



Summary Detail -- TCT Performance Over Time

BK48MABALL	G	133401	R2	CY7C1011CV33-10BAJXE	150/-65	0	500	80	0
BK48MABALL	G	133401	R2	CY7C1011CV33-10BAJXE	150/-65	0	1000	80	0
BK48MABALL	G	133401	R3	CY7C1011CV33-10BAJXE	150/-65	0	500	80	0
BK48MABALL	G	133401	R3	CY7C1011CV33-10BAJXE	150/-65	0	1000	80	0
BK48MABALL	G	131806	R1	CY7C1011CV33-10BAJXE	150/-65	0	500	85	0
BK48MABALL	G	131806	R2	CY7C1011CV33-10BAJXE	150/-65	0	500	80	0
BK48MABALL	G	131806	R3	CY7C1011CV33-10BAJXE	150/-65	0	500	80	0
BK48MABALL	G	131806	R1	CY7C1011CV33-10BAJXE	150/-65	0	1000	77	0
BK48MABALL	G	131806	R3	CY7C1011CV33-10BAJXE	150/-65	0	1000	80	0
BK48MABALL	G	131806	R2	CY7C1011CV33-10BAJXE	150/-65	0	1000	80	0
Summary for Package Family: FBGA (0.75-0.8, 0.3mm, Pb-free)			39	records					
Sum							1889	3	
FBGA (1.0-1.27)									
BB256BAALE	G	124801	R4	CY37256VP256-66BBI	150/-65	0	500	80	0
BB256BAALE	G	124801	R4	CY37256VP256-66BBI	150/-65	0	1000	80	0
BB165RNALE	RA	MR131040	R1	CY7C1313KV18-250BZC	150/-65	0	500	30	0
BB165AVLE	RA	MR132003	R1	CY7C1305TV25-167BZC	150/-65	0	500	30	0
BB165AVLE	RA	MR132003	R1	CY7C1305TV25-167BZC	150/-65	0	1000	30	0
BB165BCLLE	G	MR124043	R1	CY7C1354CV25-166BZC	150/-65	0	500	30	0
BB165WALEC	G	MR132027	R2	CY7C1520KV18-250BZC	150/-65	0	500	45	0
BB165WALEC	G	MR132027	R2	CY7C1520KV18-250BZC	150/-65	0	1000	45	0
BB165RNLEC	RA	MR133052	R1	CY7C1312KV18-250BZI	150/-65	0	1000	29	0



Summary Detail -- TCT Performance Over Time

BB165BCLLE	G	MR133057	R1	CY7C1354D-200BZC	150/-65	0	500	30	0
BB165AVLE	RA	MR134014	R1	CY7C1305TV25-167BZC	150/-65	0	500	30	0
Summary for Package Family: FBGA (1.0-1.27)			11	records					
Sum								459	0
FBGA (1.0-1.27, Pb-free)									
BW165RNALL	RA	124801	R5	CY7C1312KV18-300BZXI	150/-65	0	500	78	0
BW165RNALL	RA	124801	R5	CY7C1312KV18-300BZXI	150/-65	0	1000	78	0
BW165CEALL	G	124106	R1A	CY7C1414KV18-250BZXC	150/-65	0	1000	77	0
BW165CEALL	G	124106	R2A	CY7C1414KV18-250BZXC	150/-65	0	1000	77	0
BW165RJALL	RA	125005	R2A	CY7C1414KV18-250BZXC	150/-65	0	500	80	0
BW165RJALL	RA	125005	R3A	CY7C1414KV18-250BZXC	150/-65	0	500	80	0
BW165RJALL	RA	125005	R1A	CY7C1414KV18-250BZXC	150/-65	0	500	79	0
BW165RJALL	RA	125005	R3A	CY7C1414KV18-250BZXC	150/-65	0	1000	80	0
BW165RJALL	RA	125005	R2A	CY7C1414KV18-250BZXC	150/-65	0	1000	80	0
BW165RJALL	RA	125005	R1A	CY7C1414KV18-250BZXC	150/-65	0	1000	79	0
BW165RNALL	RA	MR131039	R1	CY7C1312KV18-250BZXC	150/-65	0	500	30	0
BW100EAGL	G	MR131049	R1	CYP15G0101DXB-BBXI	150/-65	0	500	30	0
BW165RNLLC	RA	MR131084	R1	CY7C1148KV18-400BZXC	150/-65	0	500	45	0
BW165RNLLC	RA	MR131084	R1	CY7C1148KV18-400BZXC	150/-65	0	1000	45	0
BW165RNLLC	RA	MR131084	R2	CY7C1148KV18-400BZXC	150/-65	0	1000	43	0
BW165RNLLC	RA	MR131084	R3	CY7C1148KV18-400BZXC	150/-65	0	1000	45	0
BW165RNLLC	RA	MR131084	R3	CY7C1148KV18-400BZXC	150/-65	0	500	45	0
BW165CWLLC	G	MR132027	R1	CY7C1312KV18-300BZXI	150/-65	0	500	45	0



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BW165CWLLC	G	MR132027	R1	CY7C1312KV18-300BZXI	150/-65	0	1000	45	0
BW165CWLLC	G	MR132027	R3	CY7C1312KV18-250BZXCT	150/-65	0	500	45	0
BW165CWLLC	G	MR132027	R3	CY7C1312KV18-250BZXCT	150/-65	0	1000	45	0
BW165CEALL	G	MR132029	R1	CY7C1414KV18-250BZXI	150/-65	0	500	30	0
BW165RNALL	RA	MR132032	R1	CY7C1312KV18-300BZXI	150/-65	0	500	30	0
BW165CWALL	G	MR133023	R1	CY7C1312LV18-250BZXC	150/-65	0	500	30	0
BW165GALLC	RA	133105	R7	CY7C1518KV18-300BZXI	150/-65	0	500	76	0
BW165GALLC	RA	133105	R7	CY7C1518KV18-300BZXI	150/-65	0	1000	76	0
BW165RJLLC	RA	133105	R7A	CY7C1248KV18-450BZXC	150/-65	0	500	75	0
BW165RJLLC	RA	133105	R7A	CY7C1248KV18-450BZXC	150/-65	0	1000	75	0
BW165GALLC	RA	133105	R8	CY7C1518KV18-300BZXI	150/-65	0	500	79	0
BW165GALLC	RA	133105	R8	CY7C1518KV18-300BZXI	150/-65	0	1000	78	0
BW165RJLLC	RA	133105	R8A	CY7C1248KV18-450BZXC	150/-65	0	500	80	0
BW165RJLLC	RA	133105	R8A	CY7C1248KV18-450BZXC	150/-65	0	1000	80	0
BW165RNLLC	RA	133105	R9	CY7C1168KV18-550BZXC	150/-65	0	500	79	0
BW165RNLLC	RA	133105	R9	CY7C1168KV18-550BZXC	150/-65	0	1000	79	0
BW165GALLC	RA	133104	R10	CY7C1518KV18-300BZXI	150/-65	0	500	80	0
BW165GALLC	RA	133104	R10	CY7C1518KV18-300BZXI	150/-65	0	1000	79	0
BW165GALLC	RA	133104	R11	CY7C1518KV18-300BZXI	150/-65	0	500	70	0
BW165GALLC	RA	133104	R11	CY7C1518KV18-300BZXI	150/-65	0	1000	70	0
BW165RJLLC	RA	133104	R10A	CY7C1248KV18-450BZXC	150/-65	0	500	80	0
BW165RJLLC	RA	133104	R10A	CY7C1248KV18-450BZXC	150/-65	0	1000	80	0
BW165RJLLC	RA	133104	R11A	CY7C1248KV18-450BZXC	150/-65	0	500	80	0
BW165RJLLC	RA	133104	R11A	CY7C1248KV18-450BZXC	150/-65	0	1000	79	0



Summary Detail -- TCT Performance Over Time

BW165RNLLC	RA	133104	R12	CY7C1168KV18-550BZXC	150/-65	0	500	80	0
BW165RNLLC	RA	133104	R12	CY7C1168KV18-550BZXC	150/-65	0	1000	80	0
Summary for Package Family: FBGA (1.0-1.27, Pb-free)			44	records					
Sum								2896	0
FLIPCHIP CSP (Pb-Free)									
FN49ABDRCD	DT	MR122049	R1	CG7524AMT	125/-55	0	1000	28	0
FN49ABDRCD	DT	MR123050	R1	CG7524AMT	125/-55	0	1000	28	0
FN49ABAAAL	AU	MR131037	R1	CP7457ATT	125/-55	0	500	30	0
FN49ABAAAL	AU	MR131037	R1	CP7457ATT	125/-55	0	1000	29	0
FN49AADRCD	DT	MR132053	R1	CP7653ATT	125/-55	0	500	30	0
FN72AADRFD	DT	133802	R1	8F38661FC-DTFNI	125/-55	0	500	73	0
FN72AADRFD	DT	133802	R1	8F38661FC-DTFNI	125/-55	0	1000	68	0
FN72AADRFD	DT	133802	R2	8F38661FC-DTFNI	125/-55	0	500	79	0
FN72AADRFD	DT	133802	R2	8F38661FC-DTFNI	125/-55	0	1000	79	0
FN72AADRFD	DT	133802	R3	8F38661FC-DTFNI	125/-55	0	500	75	0
FN72AADRFD	DT	133802	R3	8F38661FC-DTFNI	125/-55	0	1000	75	0
Summary for Package Family: FLIPCHIP CSP (Pb-Free)			11	records					
Sum								594	0
PDIP (Pb-Free)									
PZ183DPBGN	RA	MR124052	R1	CY7C63813-PXC	150/-65	0	1000	28	0
PZ286EAAGN	X	MR131021	R1	CY62256NLL-70PXC	150/-65	0	500	30	0
PZ183DPBGN	RA	MR131032	R1	CY7C63813-PXC	150/-65	0	500	30	0
PZ183DPBGN	RA	MR131032	R1	CY7C63813-PXC	150/-65	0	1000	26	0



Summary Detail -- TCT Performance Over Time

PZ286VFRAR	M	122903	R3	CY62256NLL-70PXC	150/-65	0	1000	115	0
PZ286VFRAR	M	122903	R4	CY62256NLL-70PXC	150/-65	0	1000	115	0
PZ183DPBGN	RA	MR132046	R1	CY7C63813-PXC	150/-65	0	500	30	0
PZ286EAAGN	X	MR132004	R1	CY62256NLL-70PXC	150/-65	0	500	30	0
PZ08	UT	MR124076	R1	FM25V20-PG	150/-65	0	100	76	0
PZ08	UT	MR124076	R1	FM25V20-PG	150/-65	0	500	76	0
PZ08	UT	MR124076	R1	FM25V20-PG	150/-65	0	1000	76	0
PZ08	UT	MR131059	R1	FM25V05-PGC	150/-65	0	100	76	0
PZ08	UT	MR131059	R1	FM25V05-PGC	150/-65	0	500	76	0
PZ08	UT	MR131059	R1	FM25V05-PGC	150/-65	0	1000	76	0
PZ286EAAGN	X	MR133002	R1	CY62256NLL-70PXC	150/-65	0	500	30	0
PZ286EAAGN	X	MR133002	R1	CY62256NLL-70PXC	150/-65	0	1000	27	0
PZ183DPGNC	RA	MR133025	R1	CS6632KAA	150/-65	0	500	45	0
PZ183DPGNC	RA	MR133025	R1	CS6632KAA	150/-65	0	1000	45	0
PZ183DPGNC	RA	MR133025	R2	CS6632KAA	150/-65	0	500	45	0
PZ183DPGNC	RA	MR133025	R2	CS6632KAA	150/-65	0	1000	45	0
PZ183DPBGN	RA	MR133045	R1	CS6632AF	150/-65	0	500	29	0
PZ183DPDGN	RA	124708	R1	CY7C63723C-PXC	150/-65	0	1000	95	0
PZ183DPDGN	RA	124708	R1	CY7C63723C-PXC	150/-65	0	500	100	0
PZ183DPDGN	RA	124708	R2	CY7C63723C-PXC	150/-65	0	1000	100	0
PZ183DPDGN	RA	124708	R2	CY7C63723C-PXC	150/-65	0	500	100	0
PZ183DPDGN	RA	124708	R3	CY7C63723C-PXC	150/-65	0	1000	100	0
PZ183DPDGN	RA	124708	R3	CY7C63723C-PXC	150/-65	0	500	100	0
PZ28BDAALL	L	MR133073	R2	FM18W08-PG	150/-65	0	500	77	0



Summary Detail -- TCT Performance Over Time

PZ28BDAALL	L	MR133073	R3	FM18W08-PG	150/-65	0	500	77	0
PZ183DPGNC	RA	MR133025	R3	CS6632KAA	150/-65	0	1000	45	0
PZ286VFRAR	M	122903	R4	CY62256NLL-70PXC	150/-65	0	1000	115	0
PZ286VFRAR	M	122903	R3	CY62256NLL-70PXC	150/-65	0	2000	110	0
PZ286VFRAR	M	122903	R4	CY62256NLL-70PXC	150/-65	0	2000	104	0
PZ183DPBGN	RA	MR133045	R1	CS6632AF	150/-65	0	1000	29	0
PZ183DPBGN	RA	MR134021	R1	CY7C63813-PXC	150/-65	0	500	30	0
Summary for Package Family: PDIP (Pb-Free)			35	records					
Sum								2308	0
PLCC (Pb-Free)									
JZ28SBGAN	M	125107	R2	CY7B933-JXC	150/-65	0	500	116	0
JZ28SBGAN	M	125107	R1	CY7B933-JXC	150/-65	0	500	117	0
JZ32RBGAN	M	MR132007	R1	CY7B991V-5JXIT	150/-65	0	500	30	0
JZ32RBGAN	M	MR132007	R1	CY7B991V-5JXIT	150/-65	0	1000	30	0
JZ52SGGAAN	M	MR131011	R1	CY7C131E-55JXCT	150/-65	0	500	28	0
JZ52SGGAAN	M	MR131011	R1	CY7C131E-55JXCT	150/-65	0	1000	27	0
JZ52SGGAAN	M	MR133060	R1	CY7C136E-25JXI	150/-65	0	500	30	0
JZ52SGGAAN	M	MR134007	R1	CY7C131E-55JXCT	150/-65	0	500	30	0
Summary for Package Family: PLCC (Pb-Free)			8	records					
Sum								408	0
PQFP (Pb-free)									
NZ52DXGAN	G	MR124032	R1	CY7C136-55NXCT	150/-65	0	500	30	0
NZ52DXGAN	G	MR124032	R1	CY7C136-55NXCT	150/-65	0	1000	26	0
NZ52EAALL	M	MR131012	R1	CY7C131E-55NXC	150/-65	0	1000	30	0



Summary Detail -- TCT Performance Over Time

NZ52EAALL	M	MR131012	R1	CY7C131E-55NXC	150/-65	0	500	30	0
NZ52EAALL	M	MR132037	R1	CY7C136E-55NXC	150/-65	0	1000	29	0
NZ52EAALL	M	MR132037	R1	CY7C136E-55NXC	150/-65	0	500	30	0
Summary for Package Family: PQFP (Pb-free)			6	records				175	0
Sum								175	0
QFN (COL, 0.6mm, Saw Type, Pb-free)									
LG16AEAAAL	MB	MR124033	R1	CY8C20234-12LKXAT	150/-65	0	500	28	0
LG16AEAAAL	MB	MR124033	R1	CY8C20234-12LKXAT	150/-65	0	1000	16	0
LG16AEAAAL	MB	MR124033	R1	CY8C20234-12LKXAT	150/-65	0	1000	8	0
LG16AQAAAL	G	MR124044	R1	CY8C20045-24LKXIT	150/-65	0	1000	29	0
LG16ABAALL	L	MR124058	R1	CY8C20045-24LKXI	150/-65	0	500	30	0
LG16ABAALL	L	MR124058	R1	CY8C20045-24LKXI	150/-65	0	1000	30	0
LG16AEAAAL	MB	MR131005	R1	CG7602AAT	150/-65	0	500	30	0
LG16AQAAAL	G	MR131015	R1	CG7602AAT	150/-65	0	500	30	0
LG16AQAAAL	G	MR132006	R1	CG7601AAT	150/-65	0	500	30	0
LG16AEAAAL	MB	MR132056	R1	CY8C20065-24LKXIT	150/-65	0	500	30	0
LG16AQAAAL	G	MR133007	R1	CY8C20236A-24LKXIT	150/-65	0	500	30	0
LG16ARAARC	G	132901	R1	CY8C200555-24LKXIKG	150/-65	0	500	83	0
LG16ARAARC	G	132901	R1	CY8C200555-24LKXIKG	150/-65	0	1000	77	0
LG16ARAARC	G	132901	R2	CY8C200555-24LKXIKG	150/-65	0	500	83	0
LG16ARAARC	G	132901	R2	CY8C200555-24LKXIKG	150/-65	0	1000	78	0
LG16ARAARC	G	132901	R3	CY8C200555-24LKXIKG	150/-65	0	500	83	0
LG16ARAARC	G	132901	R3	CY8C200555-24LKXIKG	150/-65	0	1000	78	0
LG16AEPAAL	RA	132703	R1	CY8C20045-24LKXI	150/-65	0	500	87	0



Summary Detail -- TCT Performance Over Time

LG16AEP AAL	RA	132703	R1	CY8C20045-24LKXI	150/-65	0	1000	82	0
LG16AEP AAL	RA	132703	R2	CY8C20045-24LKXI	150/-65	0	500	77	0
LG16AEP AAL	RA	132703	R2	CY8C20045-24LKXI	150/-65	0	1000	77	0
LG16AEP AAL	RA	132703	R3	CY8C20045-24LKXI	150/-65	0	500	77	0
LG16AEP AAL	RA	132703	R3	CY8C20045-24LKXI	150/-65	0	1000	77	0
Summary for Package Family: QFN (COL, 0.6mm, Saw Type, Pb-free)			23	records					
Sum								1250	0

QFN (Punch Type, Pb-Free)

LY40CGAGR	L	MR124040	R1	CYRF69103-40LFXC	150/-65	0	500	29	0
LY56DGAGL	L	MR131036	R1	CP7487AT	150/-65	0	500	24	0
LY24BGAGL	L	MR132008	R1	CY8C21323-24LFXI	150/-65	0	500	30	0
LY56DGAGL	L	MR131036	R1	CP7487AT	150/-65	0	1000	23	0
LY40CGAGR	L	MR131026	R1	CYRF69103-40LFXC	150/-65	0	500	30	0
LY56DGAGL	L	MR133014	R1	CY8CTMG120-56LFXAT	150/-65	0	1000	29	0
LY56DGAGL	L	MR133014	R1	CY8CTMG120-56LFXAT	150/-65	0	500	29	0
Summary for Package Family: QFN (Punch Type, Pb-Free)			7	records					
Sum								194	0

QFN (Saw Type, Pb-Free)

LT68YAAAAL	G	122401	R1	CYRF89535-68LTXC	150/-65	0	500	79	0
LT68YAAAAL	G	122401	R6	CYRF89535-68LTXC	150/-65	0	500	79	0
LQ24AQAALC	G	122602	R2	CYRF8935AK-24LQXC	150/-65	0	500	85	0
LQ24AQAALC	G	122602	R3	CYRF8935AK-24LQXC	150/-65	0	500	80	0
LT68YAAAAL	G	122704	R1	CYRF89535-68LTXC	150/-65	0	500	79	0



Summary Detail -- TCT Performance Over Time

LT68YAAAAL	G	122704	R6	CYRF89535-68LTXC	150/-65	0	500	79	0
LT40BQAAAL	G	124507	R9	CYRF89235-40LTXCES	150/-65	0	1000	79	0
LT68YAAAAL	G	124507	R7	CYRF89535-68LTXCES	150/-65	0	500	79	0
LT68YAAAAL	G	124507	R8	CYRF89535-68LTXCES	150/-65	0	1000	72	0
LT48ABBAAL	MB	MR122032	R1	CP7408AT	150/-65	0	1000	14	0
LT40ABAAAL	G	MR123011	R1	CYRF7936-40LTXC	150/-65	0	1000	30	0
LQ32QAAAAL	G	MR123042	R1	CY24292LFXCT	150/-65	0	1000	28	0
LQ32QAAALC	G	MR123087	R1	CY8CTST242-LQI-01T	150/-65	0	1000	85	0
LQ32QAAALC	G	MR123087	R2	CY8CTST242-LQI-01T	150/-65	0	1000	85	0
LQ32QAAALC	G	MR123087	R3	CY8CTST242-LQI-01T	150/-65	0	1000	85	0
LQ32QAAALC	G	MR123087	R4	CY8CTST242-LQI-01T	150/-65	0	1000	85	0
LT48AQAAAL	G	MR124015	R1	CY8CTMG201A-48LTXI	150/-65	0	500	30	0
LT88ABAAAL	L	MR124017	R1	CY8CTMA884LTI-13	150/-65	0	1000	28	0
LT40BQAAAL	G	MR124041	R1	CYRF69103-40LTXC	150/-65	0	500	29	0
LQ48AQAAALC	G	MR124091	R1	CG7531AMT	150/-65	0	1000	80	0
LQ48AQAAALC	G	MR124091	R2	CG7531AMT	150/-65	0	1000	80	0
LQ48AQAAALC	G	MR124091	R3	CG7531AMT	150/-65	0	1000	80	0
LT48AQAAALC	G	MR124094	R1	CY8C20636A-24LTXI	150/-65	0	500	77	0
LT48AQAAALC	G	MR124094	R2	CY8C20636A-24LTXI	150/-65	0	500	77	0
LT48AQAAALC	G	MR124094	R3	CY8C20636A-24LTXIT	150/-65	0	500	77	0
LQ24AQAAALC	G	MR124095	R1	CS7223AA	150/-65	0	500	77	0
LQ24AQAAALC	G	MR124095	R2	CS7223AA	150/-65	0	500	77	0
LQ24AQAAALC	G	MR124095	R3	CS7223AA	150/-65	0	500	77	0
LT56BAAALC	G	MR124096	R1	CS6651DAT	150/-65	0	500	70	0



Summary Detail -- TCT Performance Over Time

LT56BAAALC	G	MR124096	R2	CS6651DAT	150/-65	0	500	70	0
LT56BAAALC	G	MR124096	R3	CS6651DAT	150/-65	0	500	70	0
LT40ABAALC	G	MR124099	R1	CG7380AM	150/-65	0	500	70	0
LT40ABAALC	G	MR124099	R3	CG7380AM	150/-65	0	500	70	0
LT32BABGLC	RA	MR131001	R1	CY8C21434-24LTXIT	150/-65	0	500	45	0
LT32BABGLC	RA	MR131001	R1	CY8C21434-24LTXIT	150/-65	0	1000	45	0
LT32BABGLC	RA	MR131001	R2	CY8C21434-24LTXIT	150/-65	0	500	45	0
LT32BABGLC	RA	MR131001	R2	CY8C21434-24LTXIT	150/-65	0	1000	45	0
LT32BABGLC	RA	MR131001	R3	CY8C21434-24LTXIT	150/-65	0	500	44	0
LT32BABGLC	RA	MR131001	R3	CY8C21434-24LTXIT	150/-65	0	1000	44	0
LQ48AAAALC	RA	MR131002	R1	CY8CTMA300E-48LQXIT	150/-65	0	500	44	0
LQ48AAAALC	RA	MR131002	R1	CY8CTMA300E-48LQXIT	150/-65	0	1000	44	0
LQ48AAAALC	RA	MR131002	R2	CY8CTMA300E-48LQXIT	150/-65	0	500	45	0
LQ48AAAALC	RA	MR131002	R2	CY8CTMA300E-48LQXIT	150/-65	0	1000	45	0
LQ48AAAALC	RA	MR131002	R3	CY8CTMA300E-48LQXIT	150/-65	0	500	45	0
LQ48AAAALC	RA	MR131002	R3	CY8CTMA300E-48LQXIT	150/-65	0	1000	45	0
LT56BEAGLC	RA	MR131004	R1	CS6651DAT	150/-65	0	500	45	0
LT56BEAGLC	RA	MR131004	R1	CS6651DAT	150/-65	0	1000	45	0
LT56BEAGLC	RA	MR131004	R2	CS6651DAT	150/-65	0	500	45	0
LT56BEAGLC	RA	MR131004	R2	CS6651DAT	150/-65	0	1000	45	0
LT56BEAGLC	RA	MR131004	R3	CS6651DAT	150/-65	0	500	45	0
LT56BEAGLC	RA	MR131004	R3	CS6651DAT	150/-65	0	1000	45	0
LQ48AQAAALC	G	MR131010	R1	CG7589AA	150/-65	0	500	30	0
LQ36ABAAAL	RA	MR131013	R1	CG7566AFT	150/-65	0	500	30	0



Summary Detail -- TCT Performance Over Time

LQ24AAAAALC	RA	MR131083	R1	CS7223AA	150/-65	0	500	45	0
LQ24AAAAALC	RA	MR131083	R1	CS7223AA	150/-65	0	1000	45	0
LQ24AAAAALC	RA	MR131083	R2	CS7223AA	150/-65	0	500	45	0
LQ24AAAAALC	RA	MR131083	R2	CS7223AA	150/-65	0	1000	45	0
LQ24AAAAALC	RA	MR131083	R3	CS7223AA	150/-65	0	500	45	0
LQ24AAAAALC	RA	MR131083	R3	CS7223AA	150/-65	0	1000	45	0
LQ36ABAALC	RA	MR131087	R1	CY8CTMA140-LQI-09T	150/-65	0	500	45	0
LQ36ABAALC	RA	MR131087	R2	CY8CTMA140-LQI-09T	150/-65	0	500	45	0
LQ36ABAALC	RA	MR131087	R3	CY8CTMA140-LQI-09T	150/-65	0	500	44	0
LQ32EPDAGL	RA	115105	R3A	CY8C20446A-24LQXI	150/-65	0	500	80	0
LQ32EPDAGL	RA	115105	R3A	CY8C20446A-24LQXI	150/-65	0	1000	80	0
LQ32EPDAGL	RA	115105	R3B	CY8C20446A-24LQXI	150/-65	0	500	80	0
LQ32EPDAGL	RA	115105	R3B	CY8C20446A-24LQXI	150/-65	0	1000	80	0
LT32BABGLC	RA	123803	R3	CY7C65215-32LTXIES	150/-65	0	500	77	0
LT32BABGLC	RA	123803	R3	CY7C65215-32LTXIES	150/-65	0	1000	77	0
LQ40AAAAALC	RA	123807	R1	CY8C4245LQI-005ES	150/-65	0	500	74	0
LQ40AAAAALC	RA	123807	R1	CY8C4245LQI-005ES	150/-65	0	1000	69	0
LQ40AAAAALC	RA	123807	R2	CY8C4245LQI-005ES	150/-65	0	500	78	0
LQ40AAAAALC	RA	123807	R2	CY8C4245LQI-005ES	150/-65	0	1000	72	0
LQ40AAAAALC	RA	123807	R3	CY8C4245LQI-005ES	150/-65	0	500	77	0
LQ40AAAAALC	RA	123807	R3	CY8C4245LQI-005ES	150/-65	0	1000	72	0
LQ24AAAAALC	RA	124105	R1	CY7C65211-24LTXIES	150/-65	0	500	78	0
LQ24AAAAALC	RA	124105	R1	CY7C65211-24LTXIES	150/-65	0	1000	77	0
LQ24AAAAALC	RA	124105	R2	CY7C65211-24LTXIES	150/-65	0	500	77	0



Summary Detail -- TCT Performance Over Time

LQ24AAAAALC	RA	124105	R2	CY7C65211-24LTXIES	150/-65	0	1000	77	0
LQ24AAAAALC	RA	124105	R3	CY7C65211-24LTXIES	150/-65	0	500	77	0
LQ24AAAAALC	RA	124105	R3	CY7C65211-24LTXIES	150/-65	0	1000	77	0
LQ24AAAAALC	RA	124105	R4	CY7C65211-24LTXI	150/-65	0	500	77	0
LQ24AAAAALC	RA	124105	R4	CY7C65211-24LTXI	150/-65	0	1000	77	0
LQ48AAAAAL	RA	124705	R1	CY8CTMA340-48LQI-01	150/-65	0	500	80	0
LQ48AAAAAL	RA	124705	R1	CY8CTMA340-48LQI-01	150/-65	0	1000	80	0
LT40BQAAAL	G	124707	R9	CYRF89235-40LTXCES	150/-65	0	1000	79	0
LT68YAAAAL	G	124707	R8	CYRF89535-68LTXCES	150/-65	0	1000	67	0
LT40BQAAAL	G	124707	R9	CYRF89235-40LTXCES	150/-65	0	1000	79	0
LT68YAAAAR	G	130808	R1	CYRF89535-68LTXCES	150/-65	0	500	79	0
LT68YAAAAR	G	130808	R2	CYRF89535-68LTXCES	150/-65	0	500	79	0
LT68YAAAAR	G	130808	R3	CYRF89535-68LTXCES	150/-65	0	500	79	0
LT68YAAAAR	G	130808	R3	CYRF89535-68LTXCES	150/-65	0	1000	79	0
LT68YAAAAR	G	130808	R4	CYRF89535-68LTXCES	150/-65	0	500	79	0
LT68YAAAAR	G	130808	R4	CYRF89535-68LTXCES	150/-65	0	1000	79	0
LT68YAAAAR	G	130901	R1	CYRF89535-68LTXCES	150/-65	0	500	79	0
LQ40ABAALC	G	130902	R1	CY8C4245LQI-005ES	150/-65	0	500	82	0
LQ40ABAALC	G	130902	R1	CY8C4245LQI-005ES	150/-65	0	1000	77	0
LQ40ABAALC	G	130902	R2	CY8C4245LQI-005ES	150/-65	0	500	82	0
LQ40ABAALC	G	130902	R2	CY8C4245LQI-005ES	150/-65	0	1000	75	0
LQ40ABAALC	G	130902	R3	CY8C4245LQI-005ES	150/-65	0	500	82	0
LQ40ABAALC	G	130902	R3	CY8C4245LQI-005ES	150/-65	0	1000	76	0
LT48DQAAAL	G	MR121056	R1	CY8C28623-24LTXIT	150/-65	0	1000	30	0



Summary Detail -- TCT Performance Over Time

LT32BBAAAL	G	MR131016	R1	CG7392AM	150/-65	0	500	30	0
LT32BAABGL	RA	MR131047	R1	CG7392AM	150/-65	0	500	30	0
LQ36ABAALC	RA	MR131087	R2	CY8CTMA140-LQI-09T	150/-65	0	1000	45	0
LQ36ABAALC	RA	MR131087	R3	CY8CTMA140-LQI-09T	150/-65	0	1000	44	0
LQ48AAAAALC	RA	MR131094	R1	CY8C20667S-24LQXI	150/-65	0	500	45	0
LQ48AAAAALC	RA	MR131094	R1	CY8C20667S-24LQXI	150/-65	0	1000	45	0
LQ48AAAAALC	RA	MR131094	R2	CY8C20667-24LQXI	150/-65	0	500	45	0
LQ48AAAAALC	RA	MR131094	R2	CY8C20667-24LQXI	150/-65	0	1000	45	0
LQ48AAAAALC	RA	MR131094	R3	CY8C20647S-24LQXI	150/-65	0	500	45	0
LQ48AAAAALC	RA	MR131094	R3	CY8C20647S-24LQXI	150/-65	0	1000	45	0
LQ48AQAALC	G	MR132020	R1	CG7479AM	150/-65	0	500	28	0
LQ48AQAALC	G	MR132020	R1	CG7479AM	150/-65	0	1000	28	0
LT68YAAALC	G	MR132035	R3	CY8C3445LTI-079KG	150/-65	0	500	45	0
LT32BAABGL	RA	MR131047	R1	CG7392AM	150/-65	0	1000	30	0
LT48AQAAAL	G	MR132021	R1	CP7658AT	150/-65	0	500	29	0
LT40BQAAAL	G	MR132022	R1	CYRF69103-40LTXC	150/-65	0	500	29	0
LT68YAAALC	G	MR132035	R1	CY8C3445LTI-079KG	150/-65	0	500	44	0
LT68YAAALC	G	MR132035	R1	CY8C3445LTI-079KG	150/-65	0	1000	44	0
LT68YAAALC	G	MR132035	R2	CY8C3445LTI-079KG	150/-65	0	500	44	0
LT68YAAALC	G	MR132035	R2	CY8C3445LTI-079KG	150/-65	0	1000	44	0
LT68YAAALC	G	MR132035	R3	CY8C3445LTI-079KG	150/-65	0	1000	45	0
LQ48AQAAAL	G	MR133024	R1	CY8CTMA375-LQI-02	150/-65	0	500	30	0
LT56BAAALC	G	MR133033	R1	CY7C68014A-56LTXC	150/-65	0	500	29	0
LT68BAAALC	RA	121306	R1	CYUSB3304-68LTXCES	150/-65	0	500	78	0



Summary Detail -- TCT Performance Over Time

LT68BAAALC	RA	121306	R1	CYUSB3304-68LTXCES	150/-65	0	1000	77	0
LT88BAARC	G	124301	R1	CYUSB3314-88LTXCES	150/-65	0	500	80	0
LT88BAARC	G	124301	R1	CYUSB3314-88LTXCES	150/-65	0	1000	80	0
LT88BAARC	G	124301	R1	CYUSB3314-88LTXCES	150/-65	0	1500	80	0
LT88BAARC	G	124301	R2	CYUSB3324-88LTXCES	150/-65	0	500	80	0
LT88BAARC	G	124301	R2	CYUSB3324-88LTXCES	150/-65	0	1000	80	0
LT68BAARC	G	124301	R3	CYUSB3304-68LTXCES	150/-65	0	500	79	0
LT68BAARC	G	124301	R3	CYUSB3304-68LTXCES	150/-65	0	1000	78	0
LT48AQAAAL	G	MR132021	R1	CP7658AT	150/-65	0	1000	29	0
LT88ABAAAL	L	MR132042	R1	CY8CTMA616LTI-13	150/-65	0	500	30	0
LQ24AAAAALC	RA	MR133046	R1	CS7223AA	150/-65	0	500	30	0
LT56BPAAGL	RA	MR133042	R1	CS7275AAT	150/-65	0	500	30	0
LT56BPAAGL	RA	MR133042	R1	CS7275AAT	150/-65	0	1000	27	0
LT56BAAALC	G	MR133033	R1	CY7C68014A-56LTXC	150/-65	0	1000	27	0
LT40BQAAAL	G	MR133059	R1	CYRF69103-40LTXC	150/-65	0	500	26	0
LQ48ABAALC	RA	MR134013	R1	CYTMA545-48LQI36ZZ	150/-65	0	500	30	0
LQ24AAAAALC	RA	MR133046	R1	CS7223AA	150/-65	0	1000	30	0
LT40BQAAAL	G	MR133059	R1	CYRF69103-40LTXC	150/-65	0	1000	22	0
LT68AGAGLC	RA	133308	R1	CY8C5868LTI-LP039ES	150/-65	0	500	80	0
LT68AGAGLC	RA	133308	R1	CY8C5868LTI-LP039ES	150/-65	0	1000	80	0
LT68AGAGLC	RA	133308	R2	CY8C5868LTI-LP039ES	150/-65	0	500	80	0
LT68AGAGLC	RA	133308	R2	CY8C5868LTI-LP039ES	150/-65	0	1000	79	0
LT68AGAGLC	RA	133308	R3	CY8C5868LTI-LP039ES	150/-65	0	500	80	0
LT68AGAGLC	RA	133308	R3	CY8C5868LTI-LP039ES	150/-65	0	1000	80	0



Summary Detail -- TCT Performance Over Time

LQ56BDAARC	RA	134202	R2	CYTMA568-56LQI44ADES	150/-65	0	500	80	0
LQ56BDAARC	RA	134202	R3	CYTMA568-56LQI44ADES	150/-65	0	500	80	0
LQ56BDAARC	RA	134202	R3	CYTMA568-56LQI44ADES	150/-65	0	1000	80	0
LQ56BDAARC	RA	134202	R2	CYTMA568-56LQI44ADES	150/-65	0	1000	80	0
LT68BAAALC	RA	124702	R1	CYUSB3304-68LTXCES	150/-65	0	500	78	0
LT68BAAALC	RA	124702	R1	CYUSB3304-68LTXCES	150/-65	0	1000	77	0
LT68BAAALC	RA	124702	R2	CYUSB3304-68LTXCES	150/-65	0	500	71	0
LT68BAAALC	RA	124702	R2	CYUSB3304-68LTXCES	150/-65	0	1000	71	0
LT68BAAALC	RA	124702	R3	CYUSB3304-68LTXCES	150/-65	0	500	78	0
LT68BAAALC	RA	124702	R3	CYUSB3304-68LTXCES	150/-65	0	1000	78	0
LQ48AEAAAL	RA	131203	R1	CY8CTMA443-48LQIES4	150/-65	0	500	80	0
LQ48AEAAAL	RA	131203	R1	CY8CTMA443-48LQIES4	150/-65	0	1000	80	0
LQ48AEAAAL	RA	131203	R2	CY8CTMA443-48LQIES4	150/-65	0	500	80	0
LQ48AEAAAL	RA	131203	R2	CY8CTMA443-48LQIES4	150/-65	0	1000	80	0
LQ48AEAAAL	RA	131203	R3	CY8CTMA443-48LQIES4	150/-65	0	500	78	0
LQ48AEAAAL	RA	131203	R3	CY8CTMA443-48LQIES4	150/-65	0	1000	78	0
LQ48AEAAAL	RA	131203	R6	CY8CTMA443-48LQIES4	150/-65	0	500	79	0
LQ48AEAAAL	RA	131203	R6	CY8CTMA443-48LQIES4	150/-65	0	1000	79	0
LQ48AEAAAL	RA	131203	R7	CY8CTMA443-48LQIES4	150/-65	0	500	80	0
LQ48AEAAAL	RA	131203	R7	CY8CTMA443-48LQIES4	150/-65	0	1000	80	0
LQ48AAAAALC	RA	130908	R1	CY8CTMA440-48LQIES2	150/-65	0	500	80	0
LQ48AAAAALC	RA	130908	R1	CY8CTMA440-48LQIES2	150/-65	0	1000	80	0
LQ56BDAARC	RA	131303	R1	CY8CTMA568-56LQIES	150/-65	0	500	79	0
LQ56BDAARC	RA	131303	R1	CY8CTMA568-56LQIES	150/-65	0	1000	79	0



Summary Detail -- TCT Performance Over Time

LQ56BDAARC	RA	131303	R2	CYTMA568-56LQI44ADES	150/-65	0	500	80	0
LQ56BDAARC	RA	133101	R1	CYTMA568-56LQI44ADES	150/-65	0	500	80	0
LQ56BDAARC	RA	133101	R1	CYTMA568-56LQI44ADES	150/-65	0	1000	80	0
LQ32EPDAGL	RA	131304	R1	CY8C20446A-24LQXI	150/-65	0	500	80	0
LQ32EPDAGL	RA	131304	R1	CY8C20446A-24LQXI	150/-65	0	1000	80	0
LQ32EPDAGL	RA	131304	R2	CY8C20446A-24LQXI	150/-65	0	500	80	0
LQ32EPDAGL	RA	131304	R2	CY8C20446A-24LQXI	150/-65	0	1000	80	0
LQ48AEAAAL	RA	132101	R1	CY8CTMA400-48LQI	150/-65	0	500	79	0
LQ48AEAAAL	RA	132101	R2	CY8CTMA400-48LQI	150/-65	0	500	79	0
LQ48AEAAAL	RA	132101	R3	CY8CTMA400-48LQI	150/-65	0	500	79	0
LQ48AAAAAL	RA	131601	R1	CY8CTMA340-48LQI-01	150/-65	0	500	80	0
LQ48AAAAAL	RA	131601	R1	CY8CTMA340-48LQI-01	150/-65	0	1000	80	0
Summary for Package Family: QFN (Saw Type, Pb-Free)			185	records					
Sum								11709	0
QFN (Punch Type, Wettable Flank, Pb-Free)									
LW56DGAZGL	L	131006	R1	CY8CTMA120-56LWXA	150/-65	0	500	95	0
LW56DGAZGL	L	131006	R1	CY8CTMA120-56LWXA	150/-65	0	1000	90	0
Summary for Package Family: (Punch Type, Wettable Flank, Pb-Free)		QFN	2	records					
Sum								185	0
DFN, 0.8mm Thickness (Saw Type)									
LH08AAALL	MB	MR123046	R1	CY14B101Q2-LHXI	150/-65	0	1000	30	0
LH08AAALL	MB	MR124022	R1	CY14B101Q2-LHXI	150/-65	0	500	30	0



Summary Detail -- TCT Performance Over Time

LH08		MR131060	R1	FM25H20-DG	150/-65	0	100	76	0
LH08		MR131060	R1	FM25H20-DG	150/-65	0	500	76	0
LH08		MR131060	R1	FM25H20-DG	150/-65	0	1000	76	0
Summary for Package Family: DFN (Pb-Free)			9	records					
Sum								288	0
QSOP (Pb-Free)									
SQ2414ACGN	JT	MR121036	R1	CY7C63823-QXC	150/-65	0	1000	29	0
SQ2414ACGN	JT	MR123030	R1	CY7C63823-QXC	150/-65	0	1000	27	0
SQ2414ACGN	JT	MR124046	R1	CY7C63823-QXC	150/-65	0	500	30	0
SQ2414ACGN	JT	MR131044	R1	CY7C63823-QXC	150/-65	0	500	30	0
SQ2414ACGN	JT	MR133034	R1	CY7C63823-QXC	150/-65	0	500	30	0
Summary for Package Family: QSOP (Pb-Free)			5	records					
Sum								146	0
SNC (Pb-Free)									
SY2831BHN	JT	MR124037	R1	CY62256NLL-70SNXA	150/-65	0	500	30	0
SY2831BHN	JT	MR124037	R1	CY62256NLL-70SNXA	150/-65	0	1000	30	0
SY2831BCLN	JT	MR131020	R1	CY62256NLL-70SNXCT	150/-65	0	500	30	0
SY2831BHN	JT	MR132025	R1	CG7261ATT	150/-65	0	500	26	0
SY2831BHN	JT	MR132025	R1	CG7261ATT	150/-65	0	1000	26	0
SY2831BCLN	JT	MR133028	R1	CY62256NLL-55SNXIT	150/-65	0	500	29	0
SY2831BCLN	JT	MR133028	R1	CY62256NLL-55SNXIT	150/-65	0	1000	28	0
SY2831BHN	JT	MR134018	R1	CG7261ATT	150/-65	0	500	30	0
Summary for Package Family: SNC (Pb-Free)			8	records					



Summary Detail -- TCT Performance Over Time

Sum									229	0
SOIC (Pb Free)										
SZ815CGAAS	M	MR124031	R1	CY2305CSXA-1HT	150/-65	0	1000	19	0	
SZ163DAALL	M	124801	R1	CY14B101PA-SFXI	150/-65	0	500	80	0	
SZ163DAALL	M	124801	R1	CY14B101PA-SFXI	150/-65	0	1000	80	0	
SZ323AEGAS	M	MR114024	R1	CY14B101LA-SZ45XIT	150/-65	0	1000	30	0	
SZ1615FAL	T	MR122044	R1	CY8C20180-SX2I	150/-65	0	1000	30	0	
SZ32451DLL	JT	MR123019	R1	CY62148ELL-55SXI	150/-65	0	1000	30	0	
SZ163DAALL	M	MR123047	R1	CY14B101P-SFXIT	150/-65	0	1000	30	0	
SZ1615FAL	T	MR123049	R1	CY8C20160-SX2IT	150/-65	0	1000	30	0	
SZ1615FAL	T	MR124021	R1	CY8C20234-12SXIT	150/-65	0	500	30	0	
SZ32451BLN	JT	MR124026	R1	CY7C53120E2-10SXI	150/-65	0	500	30	0	
SZ324513AN	JT	MR124038	R1	CY62128BNLL-70SXAT	150/-65	0	1000	29	0	
SZ24315DGN	RA	MR124054	R1	CY7C63823-SXC	150/-65	0	500	30	0	
SZ815CGAAS	M	MR131043	R1	CY2305CSXA-1HT	150/-65	0	500	30	0	
SZ815PAGNC	RA	MR131086	R1	CY22801KSXC-020KA	150/-65	0	500	45	0	
SZ815PAGNC	RA	MR131086	R1	CY22801KSXC-020KA	150/-65	0	1000	45	0	
SZ815PAGNC	RA	MR131086	R2	CY22801KSXC-021KA	150/-65	0	500	45	0	
SZ815PAGNC	RA	MR131086	R2	CY22801KSXC-021KA	150/-65	0	1000	45	0	
SZ815PAGNC	RA	MR131086	R3	CY22801KSXC-020KA	150/-65	0	500	45	0	
SZ815PAGNC	RA	MR131086	R3	CY22801KSXC-020KA	150/-65	0	1000	45	0	
SZ323AEGAS	M	124706	R2	CY14B256LA-SZ25XI	150/-65	0	500	117	0	
SZ323AEGAS	M	124706	R3	CY14B256LA-SZ25XI	150/-65	0	500	120	0	
SZ283PDZLL	JT	130503	R1	CY7C199D-25SXE	150/-65	0	500	77	0	



Summary Detail -- TCT Performance Over Time

SZ283PDZLL	JT	130503	R2	CY7C199D-25SXE	150/-65	0	500	77	0
SZ283PDZLL	JT	130503	R3	CY7C199D-25SXE	150/-65	0	500	77	0
SZ283PDZLL	JT	131602	R1	CY7C199D-25SXE	150/-65	0	1000	77	0
SZ283PDZLL	JT	131602	R2	CY7C199D-25SXE	150/-65	0	1000	77	0
SZ283PDZLL	JT	131602	R3	CY7C199D-25SXE	150/-65	0	1000	77	0
SZ323AEGAS	M	MR121044	R1	CY14E256LA-SZ25XI	150/-65	0	1000	28	0
SZ183CPEAN	RA	MR131031	R1	CY7C63723C-SXC	150/-65	0	500	30	0
SZ815JRALL	UT	MR131092	R1	FM24CL64B-GA	150/-65	0	500	38	0
SZ815JRALL	UT	MR131092	R1A	FM24CL64B-GA	150/-65	0	500	42	0
SZ815JRALL	UT	MR131092	R2	FM24CL64B-GA	150/-65	0	500	43	0
SZ815JRALL	UT	MR131092	R2B	FM24CL64B-GA	150/-65	0	500	42	0
SZ1615KGNC	RA	MR131095	R1	CY2309NZSXC-1HKA	150/-65	0	500	45	0
SZ1615KGNC	RA	MR131095	R1	CY2309NZSXC-1HKA	150/-65	0	1000	45	0
SZ1615KGNC	RA	MR131095	R2	CY2309NZSXC-1HKA	150/-65	0	500	44	0
SZ1615KGNC	RA	MR131095	R2	CY2309NZSXC-1HKA	150/-65	0	1000	44	0
SZ1615KGNC	RA	MR131095	R3	CY2309NZSXC-1HKA	150/-65	0	500	45	0
SZ1615KGNC	RA	MR131095	R3	CY2309NZSXC-1HKA	150/-65	0	1000	45	0
SZ28327CGL	JT	MR132018	R1	CY8C21345-24SXI	150/-65	0	500	30	0
SZ08	UT	MR124085	R1	FM25H20-G	150/-65	0	100	76	0
SZ08	UT	MR124085	R1	FM25H20-G	150/-65	0	500	76	0
SZ08	UT	MR124085	R1	FM25H20-G	150/-65	0	1000	76	0
SZ08	UT	MR131058	R1	FML24CL64B-GA	150/-65	0	100	76	0
SZ08	UT	MR131058	R1	FML24CL64B-GA	150/-65	0	500	76	0
SZ08	UT	MR131058	R1	FML24CL64B-GA	150/-65	0	1000	76	0



Summary Detail -- TCT Performance Over Time

SZ08	UT	MR131061	R1	FM24W256-EG	150/-65	0	100	76	0
SZ08	UT	MR131061	R1	FM24W256-EG	150/-65	0	500	76	0
SZ08	UT	MR131061	R1	FM24W256-EG	150/-65	0	1000	76	0
SZ28	UT	MR124100	R1	FM18W08-SG	150/-65	0	100	76	0
SZ28	UT	MR124100	R1	FM18W08-SG	150/-65	0	500	76	0
SZ28	UT	MR124100	R1	FM18W08-SG	150/-65	0	1000	76	0
SZ1615FAL	T	MR131024	R1	CY8C20160-SX2IT	150/-65	0	500	30	0
SZ815JRALL	UT	MR131092	R1	FM24CL64B-GA	150/-65	0	1000	28	0
SZ815JRALL	UT	MR131092	R1A	FM24CL64B-GA	150/-65	0	1000	37	0
SZ815JRALL	UT	MR131092	R2	FM24CL64B-GA	150/-65	0	1000	33	0
SZ323AEGAS	M	MR132058	R1	CY14B256LA-SZ25XIT	150/-65	0	500	28	0
SZ1615FAL	T	MR132052	R1	CY8C20160-SX2IT	150/-65	0	500	30	0
SZ1615LDGN	RA	MR132054	R1	CY7C63801-SXC	150/-65	0	500	29	0
SZ815CGAAS	M	MR133022	R1	CY2305CSXA-1HT	150/-65	0	500	29	0
SZ1615LDGN	RA	MR132054	R1	CY7C63801-SXC	150/-65	0	1000	29	0
SZ1615FAL	T	MR133013	R1	CY8C20160-SX2IT	150/-65	0	500	30	0
SZ815CGAAS	M	MR133022	R1	CY2305CSXA-1HT	150/-65	0	1000	27	0
SZ183CPANC	RA	MR133039	R1	CY7C63813-SXCKP	150/-65	0	500	45	0
SZ183CPANC	RA	MR133039	R1	CY7C63813-SXCKP	150/-65	0	1000	45	0
SZ183CPANC	RA	MR133039	R2	CY7C63813-SXCKA	150/-65	0	500	45	0
SZ183CPANC	RA	MR133039	R2	CY7C63813-SXCKA	150/-65	0	1000	45	0
SZ183CPANC	RA	MR133039	R3	CY7C63723C-SXCKA	150/-65	0	500	45	0
SZ183CPANC	RA	MR133039	R3	CY7C63723C-SXCKA	150/-65	0	1000	45	0
SZ1615EGNC	M	MR134023	R1	CY2308SXI-4	150/-65	0	500	44	0



Summary Detail -- TCT Performance Over Time

SZ1615EGNC	M	MR134023	R1	CY2308SXI-4	150/-65	0	1000	44	0
SZ1615EGNC	M	MR134023	R2	CY2308SXI-4	150/-65	0	500	44	0
SZ1615EGNC	M	MR134023	R2	CY2308SXI-4	150/-65	0	1000	44	0
SZ1615EGNC	M	MR134023	R3	CY2308SXI-4	150/-65	0	500	44	0
SZ1615EGNC	M	MR134023	R3	CY2308SXI-4	150/-65	0	1000	44	0
SZ163DAALL	M	130703	R1	CY14B101P-SFXIT	150/-65	0	500	75	0
SZ163DAALL	M	130703	R1	CY14B101P-SFXIT	150/-65	0	1000	75	0
SZ163DAALL	M	130703	R2	CY14B101P-SFXIT	150/-65	0	500	75	0
SZ163DAALL	M	130703	R2	CY14B101P-SFXIT	150/-65	0	1000	75	0
SZ163DAALL	M	130703	R3	CY14B101P-SFXIT	150/-65	0	500	74	0
SZ163DAALL	M	130703	R3	CY14B101P-SFXIT	150/-65	0	1000	74	0
SZ24315EGN	RA	125106	R1	CY7C63743C-SXC	150/-65	0	500	97	0
SZ24315EGN	RA	125106	R1	CY7C63743C-SXC	150/-65	0	1000	92	0
SZ24315EGN	RA	125106	R2	CY7C63743C-SXC	150/-65	0	500	100	0
SZ24315EGN	RA	125106	R2	CY7C63743C-SXC	150/-65	0	1000	100	0
SZ24315EGN	RA	125106	R3	CY7C63743C-SXC	150/-65	0	500	100	0
SZ24315EGN	RA	125106	R3	CY7C63743C-SXC	150/-65	0	1000	100	0
SZ815YAALN	RA	122802	R2	CY14E101Q2A-SXI	150/-65	0	500	76	0
SZ24315EGN	RA	133504	R1	CY7C63743CK4-SXC	150/-65	0	500	77	0
SZ24315EGN	RA	133504	R1	CY7C63743CK4-SXC	150/-65	0	1000	77	0
SZ24315EGN	RA	133504	R2	CY7C63743CK4-SXC	150/-65	0	500	84	0
SZ24315EGN	RA	133504	R2	CY7C63743CK4-SXC	150/-65	0	1000	83	0

Summary for Package Family: SOIC (Pb Free)

Sum

92

records

5178

0



Summary Detail -- TCT Performance Over Time

SOJ

V2835BGBLN	JT	MR131022	R1	CY7C185-15VIT	150/-65	0	500	30	0
V2835BGBLN	JT	MR132043	R1	CY7C185-15VI	150/-65	0	500	28	0
V2835BGBLN	JT	MR132043	R1	CY7C185-15VI	150/-65	0	1000	27	0
V2835BGBLN	JT	MR133029	R1	CY7C185-15VIT	150/-65	0	500	29	0
V2835BGBLN	JT	MR133029	R1	CY7C185-15VIT	150/-65	0	1000	22	0

Summary for Package Family:
SOJ

5 records

Sum

136 0

SOJ (Pb-Free)

VZ28314CLN	JT	MR132028	R1	CY7C199D-10VXIT	150/-65	0	500	30	0
VZ32314CLL	JT	MR131023	R1	CY7C1018DV33-10VXIT	150/-65	0	500	30	0
VZ3649BBLN	JT	MR133005	R1	CY7C1049DV33-10VXIT	150/-65	0	500	30	0
VZ3649BBLN	JT	MR133005	R1	CY7C1049DV33-10VXIT	150/-65	0	1000	30	0
VZ444ACCLN	JT	MR134033	R1	CY7C1021DV33-10VXI	150/-65	0	500	30	0

Summary for Package Family: SOJ (Pb-Free)

5 records

Sum

150 0

SSOP (Pb-Free)

SP28214GL	T	MR124035	R1	CY8C24423A-24PVXI	150/-65	0	500	30	0
SP282ABBGN	RA	124801	R3	CY7C64215-28PVXC	150/-65	0	500	79	0
SP282ABBGN	RA	124801	R3	CY7C64215-28PVXC	150/-65	0	1000	79	0
SP563DBCNG	JT	MR123029	R1	CY7C68013A-56PVXC	150/-65	0	1000	28	0
SP2822BGL	M	MR124030	R1	CY8C21534-24PVXAT	150/-65	0	500	28	0
SP2822BGL	M	MR124030	R1	CY8C21534-24PVXAT	150/-65	0	1000	27	0
SP28214GL	T	MR124035	R1	CY8C24423A-24PVXI	150/-65	0	1000	30	0



Summary Detail -- TCT Performance Over Time

SP483JBCLL	JT	MR124036	R1	CY14B101LA-SP45XIT	150/-65	0	500	30	0
SP2024CAGL	M	MR131042	R1	CY8C21334-24PVXAT	150/-65	0	500	29	0
SP563DBC GN	JT	MR131048	R1	CY7C68013A-56PVXC	150/-65	0	500	30	0
SP563DBC GN	JT	MR131048	R1	CY7C68013A-56PVXC	150/-65	0	1000	24	0
SP202AAGNC	RA	MR131093	R2	CY8C27243-24PVXIKA	150/-65	0	500	45	0
SP282AAANC	RA	131804	R1	CY8C4245PVI-482	150/-65	0	500	77	0
SP282AAANC	RA	131804	R1	CY8C4245PVI-482	150/-65	0	1000	77	0
SP282AAANC	RA	131804	R2	CY8C4245PVI-482	150/-65	0	500	78	0
SP282AAANC	RA	131804	R2	CY8C4245PVI-482	150/-65	0	1000	78	0
SP282AAANC	RA	131804	R3	CY8C4125PVI-482	150/-65	0	500	78	0
SP282AAANC	RA	131804	R3	CY8C4125PVI-482	150/-65	0	1000	78	0
SP2024CAGL	M	MR131042	R1	CY8C21334-24PVXAT	150/-65	0	1000	29	0
SP282ABBG N	RA	MR131057	R1	CY8C24533-24PVXI	150/-65	0	500	30	0
SP282ABBG N	RA	MR131057	R1	CY8C24533-24PVXI	150/-65	0	1000	30	0
SP202ABGNC	RA	MR131093	R1	CY8C21334-24PVXIKA	150/-65	0	500	45	0
SP202ABGNC	RA	MR131093	R1	CY8C21334-24PVXIKA	150/-65	0	1000	45	0
SP202AAGNC	RA	MR131093	R2	CY8C27243-24PVXIKA	150/-65	0	1000	45	0
SP282ABGNC	R	MR131093	R3	CY8C21534-24PVXIKA	150/-65	0	500	45	0
SP282ABGNC	R	MR131093	R3	CY8C21534-24PVXIKA	150/-65	0	1000	45	0
SP2822BGL	M	MR132013	R1	CG7127AMT	150/-65	0	500	28	0
SP2822BGL	M	MR132013	R1	CG7127AMT	150/-65	0	1000	25	0
SP563DBC GN	JT	MR132036	R1	CY7C68013A-56PVXC	150/-65	0	500	30	0
SP483FBBG N	RA	MR132045	R1	CY7C63413C-PVXC	150/-65	0	500	30	0
SP202AAHAL	T	MR132050	R1	CY2CC910OXIT	150/-65	0	500	30	0



Summary Detail -- TCT Performance Over Time

SP202AAHAL	T	MR131056	R1	CY2CC910OXIT	150/-65	0	500	30	0
SP563DBC GN	JT	MR132036	R1	CY7C68013A-56PVXC	150/-65	0	1000	26	0
SP2814GALC	T	MR133006	R1	CY8C27443-24PVXI	150/-65	0	500	45	0
SP2814GALC	T	MR133006	R2	CY8C27443-24PVXI	150/-65	0	500	45	0
SP2814GALC	T	MR133006	R3	CY8C27443-24PVXI	150/-65	0	500	45	0
SP202AAHAL	T	MR133009	R1	CY2CC910OXI	150/-65	0	500	30	0
SP282ABBGN	RA	MR133043	R1	CY7C64215-28PVXCT	150/-65	0	500	30	0
SP282ABBGN	RA	MR133043	R1	CY7C64215-28PVXCT	150/-65	0	1000	30	0
SP2024CAGL	M	MR133047	R1	CY8C21334-24PVXAT	150/-65	0	500	29	0
SP2024CAGL	M	MR133047	R1	CY8C21334-24PVXAT	150/-65	0	1000	28	0
SP563DBC GN	JT	MR133054	R1	CY7C68013A-56PVXC	150/-65	0	500	30	0
SP563DBC GN	JT	MR134015	R1	CY7C68013A-56PVXC	150/-65	0	500	30	0
SP28CAAARC	JT	133002	R1	CY8C4125PVI-482	150/-65	0	500	80	0
SP28CAAARC	JT	133002	R1	CY8C4125PVI-482	150/-65	0	1000	80	0
SP28CAAARC	JT	133002	R2	CY8C4125PVI-482	150/-65	0	500	80	0
SP28CAAARC	JT	133002	R2	CY8C4125PVI-482	150/-65	0	1000	80	0
SP28CAAARC	JT	133002	R3	CY8C4125PVI-482	150/-65	0	500	80	0
SP28CAAARC	JT	133002	R3	CY8C4125PVI-482	150/-65	0	1000	80	0
SP483MBBGN	RA	125201	R1	CY8C3866PVI-070	150/-65	0	500	97	0
SP483MBBGN	RA	125201	R2	CY8C3866PVI-070	150/-65	0	500	100	0
SP483MBBGN	RA	125201	R3	CY8C3866PVI-070	150/-65	0	500	100	0
Summary for Package Family: SSOP (Pb-Free)			52	records				2557	0
Sum									

TQFP (Pb-Free)



Summary Detail -- TCT Performance Over Time

AZ100SFEAL	JT	MR123035	R1	CP7529AT	150/-65	0	500	24	0
AZ100SFEAL	JT	MR123035	R1	CP7529AT	150/-65	0	1000	24	0
AZ100RJBLN	R	MR124034	R1	CY7C1350G-200AXCT	150/-65	0	1000	30	0
AZ100KGAN	G	MR124050	R1	CY7C024AV-25AXI	150/-65	0	500	30	0
AZ100KGAN	G	MR124050	R1	CY7C024AV-25AXI	150/-65	0	1000	30	0
AZ100SFGL	JT	MR124059	R1	CY7C67300-100AXA	150/-65	0	500	28	0
AZ100SFGL	JT	MR124059	R1	CY7C67300-100AXA	150/-65	0	1000	28	0
AZ64EXGAAL	G	MR124024	R1	CP5790DM	150/-65	0	500	30	0
AZ44ABAASC	G	123502	R4	CY8C4245AXI-018ES	150/-65	0	500	77	0
AZ44ABAASC	G	123502	R4	CY8C4245AXI-018ES	150/-65	0	1000	76	0
AZ44ABAASC	G	123808	R1	CY8C4245AXI-018ES	150/-65	0	500	77	0
AZ44ABAASC	G	123808	R1	CY8C4245AXI-018ES	150/-65	0	1000	70	0
AZ44ABAASC	G	123808	R2	CY8C4245AXI-018ES	150/-65	0	500	80	0
AZ44ABAASC	G	123808	R3	CY8C4245AXI-018ES	150/-65	0	500	80	0
AZ44ABAASC	G	123808	R3	CY8C4245AXI-018ES	150/-65	0	1000	74	0
AZ128SACLL	JT	MR131052	R1	CY7C68013A-128AXC	150/-65	0	500	30	0
AZ128SACLL	JT	MR131052	R1	CY7C68013A-128AXC	150/-65	0	1000	30	0
AZ100RVLN	JT	MR132014	R1	CY7C68320C-100AXA	150/-65	0	500	27	0
AZ100RVLN	JT	MR132014	R1	CY7C68320C-100AXA	150/-65	0	1000	26	0
AZ44SGBHAN	JT	MR132017	R1	CY8C22545-24AXI	150/-65	0	500	30	0
AZ44SGBHAN	JT	MR132017	R1	CY8C22545-24AXI	150/-65	0	1000	30	0
AZ100RMBLN	RA	MR132034	R1	CY7C1370D-167AXC	150/-65	0	500	30	0
AZ32LXGAN	L	MR124060	R1	CY29948AXI	150/-65	0	500	30	0
AZ32LXGAN	L	MR124060	R1	CY29948AXI	150/-65	0	1000	30	0



Summary Detail -- TCT Performance Over Time

AZ64EXGAAL	G	MR131029	R1	CP5790DM	150/-65	0	500	30	0
AZ32LXGAN	L	MR132019	R1	CY29948AXIT	150/-65	0	500	29	0
AZ32LXGAN	L	MR132019	R1	CY29948AXIT	150/-65	0	1000	29	0
AZ128BGALC	G	MR133001	R1	CY7C64713-128AXC	150/-65	0	500	45	0
AZ128BGALC	G	MR133001	R1	CY7C64713-128AXC	150/-65	0	1000	45	0
AZ128BGALC	G	MR133001	R1	CY7C64713-128AXC	150/-65	0	1500	45	0
AZ128BGALC	G	MR133001	R1	CY7C64713-128AXC	150/-65	0	2000	45	0
AZ128BGALC	G	MR133001	R2	CY7C64713-128AXC	150/-65	0	500	44	0
AZ128BGALC	G	MR133001	R2	CY7C64713-128AXC	150/-65	0	1500	44	0
AZ128BGALC	G	MR133001	R2	CY7C64713-128AXC	150/-65	0	1000	44	0
AZ128BGALC	G	MR133001	R3	CY7C64713-128AXC	150/-65	0	500	45	0
AZ128BGALC	G	MR133001	R3	CY7C64713-128AXC	150/-65	0	1000	45	0
AZ128BGALC	G	MR133001	R3	CY7C64713-128AXC	150/-65	0	1500	45	0
AZ128BGALC	G	MR133001	R3	CY7C64713-128AXC	150/-65	0	2000	45	0
AZ100RVLN	JT	MR133015	R1	CY7C68320C-100AXA	150/-65	0	500	29	0
AZ100RVLN	JT	MR133015	R1	CY7C68320C-100AXA	150/-65	0	1000	27	0
AZ32MAAGSC	G	MR133040	R1	CY7B9950AXCKG	150/-65	0	500	45	0
AZ32MAAGSC	G	MR133040	R2	CY7B9950AXCKG	150/-65	0	500	45	0
AZ32MAAGSC	G	MR133040	R3	CY7B9950AXCKG	150/-65	0	500	45	0
AZ64IBABLN	JT	MR133067	R1	CY7C53150-20AXI	150/-65	0	500	30	0
AZ64IBABLN	JT	MR133067	R1	CY7C53150-20AXI	150/-65	0	1000	30	0
AZ44ASHLLC	R	133102	R1	CY8C4245AXI-483	150/-65	0	500	80	0
AZ44ASHLLC	R	133102	R1	CY8C4245AXI-483	150/-65	0	1000	80	0
AZ44ASHLLC	R	133102	R2	CY8C4245AXI-483	150/-65	0	500	80	0



Summary Detail -- TCT Performance Over Time

AZ44ASHLLC	R	133102	R2	CY8C4245AXI-483	150/-65	0	1000	79	0
AZ44ASHLLC	R	133102	R3	CY8C4245AXI-483	150/-65	0	500	80	0
AZ44ASHLLC	R	133102	R3	CY8C4245AXI-483	150/-65	0	1000	78	0
AZ100SJALC	R	133003	R1A	CY8C3866AXA-040ES5	150/-65	0	500	85	0
AZ100SJALC	R	133003	R1A	CY8C3866AXA-040ES5	150/-65	0	1000	80	0
AZ100SJALC	R	133902	R1	CY8C3866AXA-040ES5	150/-65	0	500	85	0
AZ100SJALC	R	133902	R1	CY8C3866AXA-040ES5	150/-65	0	1000	80	0
AZ100SJALC	R	133902	R3	CY8C3846AXE4-175	150/-65	0	500	79	0
AZ100SJALC	R	133902	R3	CY8C3846AXE4-175	150/-65	0	1000	79	0
AZ100SJALC	R	133902	R2B	CY8C3846AXE4-175	150/-65	0	500	80	0
Summary for Package Family: TQFP (Pb-Free)			58	records				2897	0
Sum									
TSOP (Pb-free)									
ZT28R2ABGN	JT	MR124039	R1	CY62256NLL-55ZXAT	150/-65	0	1000	29	0
ZT28R2ABGN	JT	MR131030	R1	CY62256NLL-55ZXAT	150/-65	0	500	30	0
ZT32RAEDLN	RA	MR131041	R1	CY62128ELL-45ZXIT	150/-65	0	500	30	0
ZT48ACALL	G	MR131019	R1	CY62167DV30LL-55ZXI	150/-65	0	500	30	0
ZT48AKAALL	T	MR131038	R1	CY62167EV30LL-45ZXIT	150/-65	0	500	30	0
ZT32RAEDLN	RA	MR132023	R1	CY62128ELL-45ZXI	150/-65	0	500	30	0
ZT32RAEDLN	RA	MR132023	R1	CY62128ELL-45ZXI	150/-65	0	1000	30	0
ZT48ACALL	G	MR132040	R1	CY62167DV30LL-55ZXI	150/-65	0	500	30	0
ZT48AJAALL	T	MR124057	R1	CY62157EV30LL-45ZXA	150/-65	0	500	19	0
ZT48AKAALL	T	MR131038	R1	CY62167EV30LL-45ZXIT	150/-65	0	1000	30	0
ZT28R2BCLN	JT	MR132038	R1	CY62256NLL-55ZXI	150/-65	0	500	30	0



Summary Detail -- TCT Performance Over Time

ZT48ACALL	G	MR132040	R1	CY62167DV30LL-55ZXI	150/-65	0	1000	30	0
ZT32RADLNC	RA	MR132048	R1	CY62128ELL-45ZXIKA	150/-65	0	500	45	0
ZT32RADLNC	RA	MR132048	R2	CY62128ELL-45ZXIKA	150/-65	0	500	45	0
ZT32RADLNC	RA	MR132048	R3	CY62128ELL-45ZXIKA	150/-65	0	500	45	0
ZT32RBBALL	T	MR132051	R1	CY62128ELL-45ZXAT	150/-65	0	500	30	0
ZT32RBBALL	T	MR132051	R1	CY62128ELL-45ZXAT	150/-65	0	1000	29	0
ZT32RAEDLN	RA	MR133004	R1	CY62128ELL-45ZXIT	150/-65	0	500	30	0
ZT48ARALRC	G	131008	R1	CY62167GE30-45ZXIES	150/-65	0	500	80	0
ZT48ARALRC	G	131008	R2	CY62167GE30-45ZXIES	150/-65	0	500	78	0
ZT48ARALRC	G	131008	R3	CY62167GE30-45ZXIES	150/-65	0	500	80	0
ZT32RAEDLN	RA	MR133004	R1	CY62128ELL-45ZXIT	150/-65	0	1000	30	0
ZT48AKAALL	T	MR133011	R1	CY62167EV30LL-45ZXI	150/-65	0	500	30	0
ZT28R2ABGN	JT	MR133035	R1	CY62256NLL-55ZXAT	150/-65	0	500	29	0
ZT28R2ABGN	JT	MR133035	R1	CY62256NLL-55ZXAT	150/-65	0	1000	29	0
ZT32RAEDLN	RA	MR134022	R1	CY62128EV30LL-45ZXI	150/-65	0	500	30	0
ZT48AJAALL	T	MR124057	R1	CY62157EV30LL-45ZXA	150/-65	0	1000	18	0
Summary for Package Family: TSOP (Pb-free)			27	records				976	0
Sum									
TSOP I (Pb-Free)									
ZB32RHBLN	JT	MR131025	R1	CY62148ESL-55ZAXAT	150/-65	0	500	30	0
ZB32RHCALN	JT	MR132033	R1	CY62128EV30LL-45ZAXIT	150/-65	0	500	29	0
ZB32RHBLN	JT	MR133041	R1	CY62148ESL-55ZAXA	150/-65	0	500	29	0
ZB32RHBLN	JT	MR133041	R1	CY62148ESL-55ZAXA	150/-65	0	1000	28	0
Summary for Package Family: TSOP I (Pb-Free)			4	records					



Summary Detail -- TCT Performance Over Time

Sum									116	0
TSOP II (Pb-Free)										
ZW444AAGLL	T	124801	R2	CY7C1049DV33-10ZSXI	150/-65	0	500	79	0	
ZW444AAGLL	T	124801	R2	CY7C1049DV33-10ZSXI	150/-65	0	1000	79	0	
ZW444ALLR	G	MR124042	R1	CY7C1051DV33-10ZSXI	150/-65	0	1000	30	0	
ZW444AKDLN	JT	MR124048	R1	CY7C1041CV33-20ZSXET	150/-65	0	500	29	0	
ZW444AKDLN	JT	MR124048	R1	CY7C1041CV33-20ZSXET	150/-65	0	1000	28	0	
ZW324FBGL	T	MR124049	R1	CY7C1019CV33-10ZXAT	150/-65	0	500	29	0	
ZW324FBGL	T	MR124049	R1	CY7C1019CV33-10ZXAT	150/-65	0	1000	28	0	
ZW444ALLR	G	MR131008	R1	CY7C1051DV33-12ZSXIT	150/-65	0	500	30	0	
ZW444ALLR	G	MR131008	R1	CY7C1051DV33-12ZSXIT	150/-65	0	1000	30	0	
ZW444AXXAGL	RA	MR131027	R1	CY7C1041DV33-10ZSXIT	150/-65	0	500	30	0	
ZW324FBGL	T	MR131034	R1	CY7C1019CV33-10ZXAT	150/-65	0	500	26	0	
ZW544AALL	G	MR131006	R1	CY7C1061AV33-10ZXIT	150/-65	0	500	30	0	
ZW324FBGL	T	MR131034	R1	CY7C1019CV33-10ZXAT	150/-65	0	1000	25	0	
ZW444AKDLN	JT	MR131054	R1	CY7C1041CV33-12ZSXE	150/-65	0	500	28	0	
ZW444AYAGLC	RA	MR132001	R1	CY62137FV30LL-45XIKA	150/-65	0	500	45	0	
ZW444AYAGLC	RA	MR132001	R1	CY62137FV30LL-45XIKA	150/-65	0	1000	45	0	
ZW444AYAGLC	RA	MR132001	R2	CY62137FV30LL-45XIKA	150/-65	0	500	45	0	
ZW444AYAGLC	RA	MR132001	R2	CY62137FV30LL-45XIKA	150/-65	0	1000	45	0	
ZW444ABYGLC	RA	MR132001	R3	CY621472E30LL-45XIKA	150/-65	0	500	45	0	
ZW444ABYGLC	RA	MR132001	R3	CY621472E30LL-45XIKA	150/-65	0	1000	45	0	
ZW444AXYAGL	RA	MR132002	R1	CY7C1041DV33-10ZSXI	150/-65	0	500	30	0	
ZW444AXYAGL	RA	MR132002	R1	CY7C1041DV33-10ZSXI	150/-65	0	1000	28	0	



Summary Detail -- TCT Performance Over Time

ZW444AOLN	JT	MR132015	R1	CY62146EV30LL-45ZSXA	150/-65	0	500	28	0
ZW444AOLN	JT	MR132015	R1	CY62146EV30LL-45ZSXA	150/-65	0	1000	28	0
ZW444ALLR	G	MR132024	R1	CY7C1059DV33-10ZSXI	150/-65	0	500	30	0
ZW444AAGLL	T	MR132041	R1	CY62146EV30LL-45ZSXI	150/-65	0	1000	28	0
ZW444AAGLL	T	MR132041	R1	CY62146EV30LL-45ZSXI	150/-65	0	500	30	0
ZW324CBLLC	T	MR132044	R1	CY62148ELL-45ZSXIKO	150/-65	0	1000	45	0
ZW324CBLLC	T	MR132044	R1	CY62148ELL-45ZSXIKO	150/-65	0	500	45	0
ZW324CBLLC	T	MR132044	R2	CY62148ELL-45ZSXIKO	150/-65	0	1000	45	0
ZW324CBLLC	T	MR132044	R2	CY62148ELL-45ZSXIKO	150/-65	0	500	45	0
ZW324CBLLC	T	MR132044	R3	CY62148ELL-45ZSXIKO	150/-65	0	1000	45	0
ZW324CBLLC	T	MR132044	R3	CY62148ELL-45ZSXIKO	150/-65	0	500	45	0
ZW444ALLR	G	MR132059	R1	CY7C1051DV33-10ZSXI	150/-65	0	500	29	0
ZW444XYAGL	RA	MR133003	R1	CY7C1041DV33-10ZSXIT	150/-65	0	1000	30	0
ZW444XYAGL	RA	MR133003	R1	CY7C1041DV33-10ZSXIT	150/-65	0	500	30	0
ZW444AIHLL	JT	MR133026	R1	CY7C1021DV33-10ZSXAT	150/-65	0	500	19	0
ZW444AIHLL	JT	MR133026	R1	CY7C1021DV33-10ZSXAT	150/-65	0	1000	19	0
ZW324FBGL	T	MR133048	R1	CY7C1019CV33-10ZXAT	150/-65	0	500	29	0
ZW324FBGL	T	MR133048	R1	CY7C1019CV33-10ZXAT	150/-65	0	1000	28	0
ZW544AALL	G	MR133056	R1	CY7C1061AV33-10ZXC	150/-65	0	500	30	0
ZW444ALLR	G	MR133058	R1	CY7C1051DV33-12ZSXIT	150/-65	0	500	28	0
ZW444AKDLN	JT	131001	R1	CY7C1041CV33-12ZSXE	150/-65	0	500	80	0
ZW444AKDLN	JT	131001	R1	CY7C1041CV33-12ZSXE	150/-65	0	1000	75	0
ZW444AKDLN	JT	131001	R2	CY7C1041CV33-12ZSXE	150/-65	0	500	80	0
ZW444AKDLN	JT	131001	R2	CY7C1041CV33-12ZSXE	150/-65	0	1000	75	0



Summary Detail -- TCT Performance Over Time

ZW444AKDLN	JT	131001	R3	CY7C1041CV33-12ZSXE	150/-65	0	500	80	0
ZW444AKDLN	JT	131001	R3	CY7C1041CV33-12ZSXE	150/-65	0	1000	75	0
ZW54ARALRC	G	131009	R1	CY7C1061G30-10ZSXIES	150/-65	0	500	80	0
ZW54ARALRC	G	131009	R2	CY7C1061G30-10ZSXIES	150/-65	0	500	80	0
ZW54ARALRC	G	131009	R3	CY7C1061G30-10ZSXIES	150/-65	0	500	80	0
ZW44AXAGL	RA	122201	R1	CY7C1021D-10ZSXIT	150/-65	0	1000	76	0
ZW44AXAGL	RA	122201	R3	CY7C1041DV33-10ZSXIT	150/-65	0	1000	73	0
Summary for Package Family: TSOP II (Pb-Free)			53	records					
Sum								2339	0
TSSOP									
Z2412XAGB	M	122204	R3	W232-10X	150/-65	0	1000	102	0
Summary for Package Family: TSSOP			1	records					
Sum								102	0
TSSOP (Pb-Free)									
ZZ0812BGLC	T	MR131089	R1	CY2304NZZXI-1KO	150/-65	0	500	77	0
ZZ1620GCAN	RA	124204	R1	CY2309SXI-1H	150/-65	0	1000	112	0
ZZ1620GBAN	RA	124204	R2	CY22388KZXC-16A	150/-65	0	1000	112	0
ZZ2817ABGL	RA	124204	R3	CY24272ZXC	150/-65	0	1000	112	0
ZZ1620GBAN	RA	MR131051	R1	CY22392FXC	150/-65	0	500	30	0
ZZ1620GBAN	RA	MR131051	R1	CY22392FXC	150/-65	0	1000	30	0
ZZ0812BGLC	T	MR131089	R2	CY2304NZZXC-1KO	150/-65	0	500	45	0
ZZ2014BGNC	T	MR131096	R1	CY25404ZXI-003KO	150/-65	0	500	45	0
ZZ2014BGNC	T	MR131096	R1	CY25404ZXI-003KO	150/-65	0	1000	45	0
ZZ2014BGNC	T	MR131096	R2	CY25404ZXI-005KO	150/-65	0	500	45	0



Summary Detail -- TCT Performance Over Time

ZZ2014BGNC	T	MR131096	R2	CY25404ZXI-005KO	150/-65	0	1000	45	0
ZZ2014BGNC	T	MR131096	R3	CY25404ZXI009KO	150/-65	0	500	45	0
ZZ2014BGNC	T	MR131096	R3	CY25404ZXI009KO	150/-65	0	1000	45	0
ZZ1620GBAN	RA	MR132010	R1	CY22394FXCT	150/-65	0	500	30	0
ZZ1620GBAN	RA	MR132010	R1	CY22394FXCT	150/-65	0	1000	30	0
ZZ2014BGN	T	MR132026	R1	CY25404ZXI-003T	150/-65	0	500	30	0
ZZ2014BGN	T	MR132026	R1	CY25404ZXI-003T	150/-65	0	1000	30	0
ZZ0812BGLC	T	MR131055	R1	CY2304NZZXC-1KO	150/-65	0	1000	28	0
ZZ2014BGNC	T	MR131096	R1	CY25404ZXI-003KO	150/-65	0	2000	45	0
ZZ2014BGNC	T	MR131096	R2	CY25404ZXI-005KO	150/-65	0	2000	45	0
ZZ2014BGNC	T	MR131096	R3	CY25404ZXI009KO	150/-65	0	2000	45	0
ZZ0812BGL	T	MR133010	R1	CY2304NZZXI-1T	150/-65	0	500	30	0
ZZ1620GBAN	RA	MR133012	R1	CY22393FXCT	150/-65	0	500	30	0
ZZ0812BGLC	T	MR133018	R1	CY2304NZZXI-1	150/-65	0	500	45	0
ZZ0812BGLC	T	MR133018	R2	CY2304NZZXI-1	150/-65	0	500	45	0
ZZ0812BGLC	T	MR133018	R3	CY2304NZZXI-1	150/-65	0	500	45	0
ZZ2014BGNC	T	120410	R5	CY25404ZXI-003KO	150/-65	0	500	45	0
ZZ2014BGNC	T	120410	R5	CY25404ZXI-003KO	150/-65	0	1000	45	0
ZZ2014BGNC	T	120410	R5	CY25404ZXI-003KO	150/-65	0	2000	45	0
ZZ0812BGLC	T	MR133018	R1	CY2304NZZXI-1	150/-65	0	1000	45	0
ZZ0812BGLC	T	MR133018	R2	CY2304NZZXI-1	150/-65	0	1000	45	0
ZZ0812BGLC	T	MR133018	R3	CY2304NZZXI-1	150/-65	0	1000	42	0
ZZ0812BGLC	T	MR133018	R3	CY2304NZZXI-1	150/-65	0	1000	3	0
ZZ1620GANC	RA	MR133053	R1	CY22150FZXCKA	150/-65	0	500	45	0



Summary Detail -- TCT Performance Over Time

ZZ1620GANC	RA	MR133053	R1	CY22150FZXCKA	150/-65	0	1000	45	0
ZZ1620GANC	RA	MR133053	R2	CY22150KFZXCKA	150/-65	0	500	45	0
ZZ1620GANC	RA	MR133053	R2	CY22150KFZXCKA	150/-65	0	1000	45	0
ZZ1620DANC	RA	MR133053	R3	CY2309CZXC-1HKA	150/-65	0	500	45	0
ZZ1620DANC	RA	MR133053	R3	CY2309CZXC-1HKA	150/-65	0	1000	45	0
ZZ1620GBAN	RA	MR134012	R1	CY22393FXI	150/-65	0	500	30	0
ZZ1620GBAN	RA	MR134012	R1	CY22393FXI	150/-65	0	1000	30	0
Summary for Package Family: TSSOP (Pb-Free)			41	records					
Sum								1866	0
VFBGA (0.75-0.8, 0.3mm)									
BV48CFAALE	G	MR131018	R1	CY62157EV30LL-45BVIT	150/-65	0	500	30	0
BV48CLALE	G	MR124055	R1	CY7C1041DV33-10BVIT	150/-65	0	500	30	0
BV48CLALE	G	MR124055	R1	CY7C1041DV33-10BVIT	150/-65	0	1000	30	0
BV48CRALE	G	MR132039	R1	CY62167EV30LL-45BVIT	150/-65	0	500	29	0
Summary for Package Family: VFBGA (0.75-0.8, 0.3mm)			4	records					
Sum								119	0
VFBGA (0.75-0.8, 0.3mm, Pb-Free)									
BZ48CEAALL	G	MR124028	R1	CY62147EV30LL-45BVXA	150/-65	0	1000	28	0
BZ48CWALL	G	MR124045	R1	CY7C1061DV33-10BVXIT	150/-65	0	1000	30	0
BZ100BABLL	RA	MR124051	R1	CYDMX128A16-65BVXIT	150/-65	0	500	30	0
BZ100BABLL	RA	MR124051	R1	CYDMX128A16-65BVXIT	150/-65	0	1000	30	0
BZ48CLALLC	G	MR124088	R1	CY7C1041DV33-10BVJXIT	150/-65	0	1000	76	0
BZ48CLALLC	G	MR124088	R2	CY7C1041DV33-10BVJXIT	150/-65	0	500	79	0
BZ48CHALLC	G	MR124088	R3	CY62126EV30LL-45BVXIT	150/-65	0	500	76	0



Summary Detail -- TCT Performance Over Time

BZ48CKAALL	RA	MR131028	R1	CY7C1041DV33-10BVXIT	150/-65	0	500	30	0
BZ48CEAALL	G	MR131035	R1	CY62147EV30LL-45BVXA	150/-65	0	500	30	0
BZ48CKALLC	RA	MR131090	R1	CY7C1041DV33-10BVXIT	150/-65	0	500	45	0
BZ48CKALLC	RA	MR131090	R1	CY7C1041DV33-10BVXIT	150/-65	0	1000	45	0
BZ48CKALLC	RA	MR131090	R2	CY7C1041DV33-10BVXIT	150/-65	0	500	45	0
BZ48CKALLC	RA	MR131090	R2	CY7C1041DV33-10BVXIT	150/-65	0	1000	45	0
BZ48CKALLC	RA	MR131090	R3	CY7C1041DV33-10BVXIT	150/-65	0	500	45	0
BZ48CKALLC	RA	MR131090	R3	CY7C1041DV33-10BVXIT	150/-65	0	1000	45	0
BZ48CEAALL	G	MR131035	R1	CY62147EV30LL-45BVXA	150/-65	0	1000	30	0
BZ48CNALLC	G	MR131091	R1	CY62167DV30LL-55BVXIT	150/-65	0	500	45	0
BZ48CNALLC	G	MR131091	R2	CY62167DV30LL-55BVXIT	150/-65	0	500	45	0
BZ48CNALLC	G	MR131091	R3	CY62167DV30LL-55BVXI	150/-65	0	500	45	0
BZ48CLAALL	G	MR132011	R1	CY7C1041DV33-10BVXI	150/-65	0	500	30	0
BZ48ZEAALE	RA	MR132016	R1	CY62157EV30LL-45BVXIT	150/-65	0	500	30	0
BZ48ZEAALE	RA	MR132016	R1	CY62157EV30LL-45BVXIT	150/-65	0	1000	30	0
BZ56GABGL	RA	MR133036	R1	CY7C68053-56BAXIT	150/-65	0	500	30	0
BZ48CNALLC	G	MR131091	R1	CY62167DV30LL-55BVXIT	150/-65	0	1000	45	0
BZ48CNALLC	G	MR131091	R2	CY62167DV30LL-55BVXIT	150/-65	0	1000	44	0
BZ48CNALLC	G	MR131091	R3	CY62167DV30LL-55BVXI	150/-65	0	1000	45	0
BZ100BABLL	RA	MR134008	R1	CYDMX128A16-65BVXIT	150/-65	0	500	30	0
BZ48ARALLC	G	131204	R1	CY62167GE30-45BVXIES	150/-65	0	500	80	0
BZ48ARALLC	G	131204	R1	CY62167GE30-45BVXIES	150/-65	0	1000	80	0
BZ48ARALLC	G	131204	R2	CY62167G30-45BVXIES	150/-65	0	500	80	0
BZ48ARALLC	G	131204	R2	CY62167G30-45BVXIES	150/-65	0	1000	79	0



Summary Detail -- TCT Performance Over Time

BZ48ARALLC	G	131204	R3	CY62167G30-45BVXIES	150-65	0	500	80	0	
BZ48ARALLC	G	131204	R3	CY62167G30-45BVXIES	150-65	0	1000	80	0	
BZ48ZEAALE	RA	130801	R1	CY62157EV30LL-45BVXI	150-65	0	500	77	0	
BZ48ZEAALE	RA	130801	R1	CY62157EV30LL-45BVXI	150-65	0	1000	77	0	
Summary for Package Family: VFBGA (0.75-0.8, 0.3mm, Pb-Free)			35	records						
Sum								1761	0	
PBGA (Pb-Free)										
BY119SALL	G	MR131046	R1	CY7C1354C-200BGXC	150-65	0	500	30	0	
BY119SALL	G	MR132009	R1	CY7C1354C-200BGXC	150-65	0	500	30	0	
BY119SALL	G	MR133027	R1	CY7C1354C-200BGXCT	150-65	0	500	30	0	
BY119RALLC	G	131010	R1	CY62162G30-45BGXIES	150-65	0	500	79	0	
BY119RALLC	G	131010	R1	CY62162G30-45BGXIES	150-65	0	1000	79	0	
BY119RALLC	G	131010	R2	CY62162G30-45BGXIES	150-65	0	500	80	0	
BY119RALLC	G	131010	R2	CY62162G30-45BGXIES	150-65	0	1000	79	0	
BY119RALLC	G	131010	R3	CY62162G30-45BGXIES	150-65	0	500	79	0	
BY119RALLC	G	131010	R3	CY62162G30-45BGXIES	150-65	0	1000	78	0	
Summary for Package Family: PBGA (Pb-Free)			9	records						
Sum								564	0	
FCBGA										
FR361BALL	G	121904	R1A	CY7C4141KV12-600FCXC	150-65	0	500	77	0	
FR361BALL	G	121904	R1A	CY7C4141KV12-600FCXC	150-65	0	1000	77	0	
FR361BALL	G	121904	R2	CY7C4141K	150-65	0	500	77	0	
FR361BALL	G	121904	R2	CY7C4141K	150-65	0	1000	77	0	



Summary Detail -- TCT Performance Over Time

FR361BALL	G	121904	R2B	CY7C4141K	150/-65	0	500	77	0
FR361BALL	G	122002	R2	CY7C4141K	150/-65	0	500	77	0
FR361BALL	G	122002	R2	CY7C4141K	150/-65	0	1000	77	0
FR361BALL	G	122002	R3	CY7C4141KV12-600FCXC	150/-65	0	500	76	0
FR361BALL	G	122002	R5	CY7C4141K	150/-65	0	500	77	0
Summary for Package Family: FCBGA			9	records					
Sum								692	0



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