



2013 Q2 RELIABILITY REPORT

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

This report summarizes Cypress Semiconductor Product Reliability for the period of the 2nd quarter of 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	1,807,928	4	69	Random Fab Defect (See Note 1)
C9	2,200,851	2	72	Random Fab Defect (See Note 1)
R8	220,243	0	0	None
S8	2,838,359	0	0	None
C8	112,785	1	275	Random Fab Defect (See Note 1)
R9	511,584	0	0	None
R7	23,952	0	0	None
S4	667,237	0	0	None
R52	33,600	0	0	None
R42	468,935	0	0	None
R95	574,118	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	9,945,729	7	31	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	284,194	0	19	None
LL65	523,335	0	10	None
C9	1,146,608	0	5	None
R8	228,914	0	24	None
R9	610,780	0	9	None
R52	138,500	0	Insufficient	None
S8	2,021,727	0	3	None
S4	1,317,965	0	4	None
R95	515,489	0	10	None
R7	243,984	0	22	None
R42	209,161	0	26	None
Dual Die FRAM* (*130nm TI F-RAM, 180nm IBM CMOS)	212,368	0	25	None
130nm TI F-RAM	188,684	0	29	None
Grand Total	7,641,709	0	0.7	None

Note:

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



2.3 DATA RETENTION SUMMARY

A high-temperature, non-biased bake test ensures that data retention meets established reliability goals. The devices are baked without bias at either 150°C for plastic-packaged devices, or 250°C for hermetically-packaged devices. DRET is performed on programmed devices to establish a failure rate for cell charge loss. The reliability at nominal system ambient temperature is related to the failure rate at elevated temperatures through the Acceleration Factor equation.

- Test** : Data Retention Testing (DRET)
- Conditions** : High temperature non-biased bake
- Duration** : A minimum of 500 hours at 150°C or 168 hours at 165°C
Generally 1000 hours at 150°C or 500 hours at 165°C.
- Failure** : Devices are programmed with a worst case program pattern before being subjected to data retention testing. The reliability at nominal system ambient temperature is related to the failure rate at elevated temperatures through the Acceleration Factor equation.

Table 3. Data Retention Summary

Technology	Activation Energy	Device Hours	# Failed	FIT Rate	PPM	Failure Mode
S4	0.7 eV	14,787,806	0	0.17	0	None
S8	0.7 eV	6,200,342	0	0.36	0	None
Dual Die FRAM* (*130nm TI F-RAM, 180nm IBM CMOS)	1.4 eV	231,000	0	0.65	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.

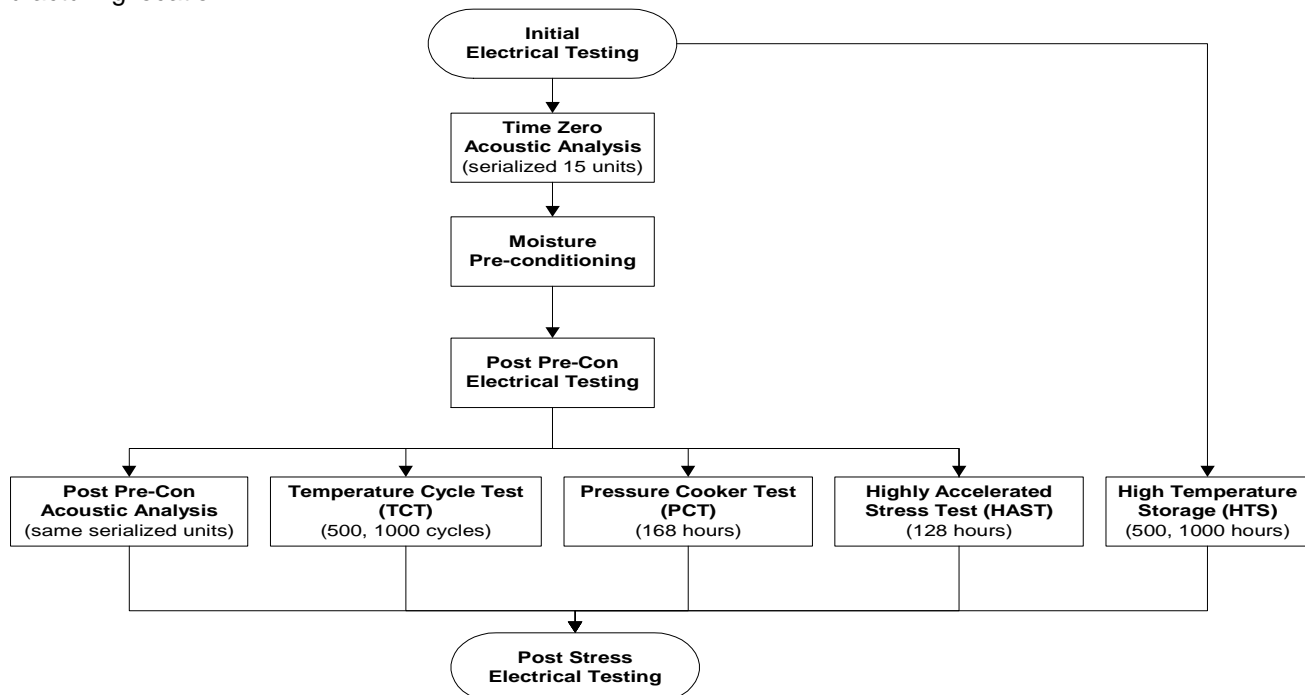


Figure 1. Cypress Package Reliability Stress Flow



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)	993	0	0	None
FBGA (0.75-0.8, 0.3mm)	236	0	0	None
FBGA (0.75-0.8, 0.3mm, Pb-free)	1334	2	0.001	2-Lifted Ball (See Note 1)
FBGA (1.0-1.27)	512	0	0	None
FBGA (1.0-1.27, Pb-free)	1867	0	0	None
FLIPCHIP CSP (Pb-Free)	168	0	0	None
PDIP	30	0	0	None
PDIP (Pb-Free)	1471	0	0	None
PLCC (Pb-Free)	608	0	0	None
PQFP (Pb-free)	270	0	0	None
QFN (COL, 0.6mm, Saw Type, Pb-free)	473	0	0	None
QFN (0.6mm, Punch Type, Pb-Free)	30	0	0	None
QFN (Punch Type, Pb-Free)	240	0	0	None
QFN (Saw Type, Pb-Free)	10119	0	0	None
QFN (Punch Type, Wettable Flank, Pb-Free)	479	0	0	None
DFN, 0.8mm Thickness (Saw Type)	515	0	0	None
QSOP (Pb-Free)	40	0	0	None
SNC (Pb-Free)	210	0	0	None
SOIC	60	0	0	None
SOIC (Pb Free)	4355	0	0	None
SOJ	90	0	0	None
SOJ (Pb-Free)	352	0	0	None
SSOP (Pb-Free)	1868	0	0	None
TQFP (Pb-Free)	1362	0	0	None
TSOP (Pb-free)	593	0	0	None
TSOP I (Pb-Free)	150	0	0	None
TSOP II (Pb-Free)	2496	0	0	None
TSSOP	117	0	0	None
TSSOP (Pb-Free)	2238	0	0	None
VFBGA (0.75-0.8, 0.3mm)	146	0	0	None
VFBGA (0.75-0.8, 0.3mm, Pb-Free)	1392	0	0	None
PBGA (Pb-Free)	120	0	0	None
Grand Total	34,934	2	0.01%	See Above

Note :

1)CAR 201327016 – Replacament of Die Attach Epoxy with Die Attach Film



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
UFBGA (Pb-free)	827	0	0	None
FBGA (0.75-0.8, 0.3mm, Pb-free)	455	0	0	None
FBGA (1.0-1.27)	130	0	0	None
FBGA (1.0-1.27, Pb-free)	839	0	0	None
FCBGA	30	0	0	None
PDIP (Pb-Free)	447	0	0	None
QFN (COL, 0.6mm, Saw Type, Pb-free)	749	0	0	None
QFN (Punch Type, Pb-Free)	60	0	0	None
QFN (Saw Type, Pb-Free)	3062	0	0	None
QFN (Punch Type, Wettable Flank, Pb-Free)	399	0	0	None
SNC (Pb-Free)	120	0	0	None
SOIC	29	0	0	None
SOIC (Pb Free)	560	0	0	None
SOJ (Pb-Free)	207	0	0	None
SSOP (Pb-Free)	829	0	0	None
TQFP (Pb-Free)	542	0	0	None
TSOP (Pb-free)	480	0	0	None
TSOP I (Pb-Free)	90	0	0	None
TSOP II (Pb-Free)	766	0	0	None
TSSOP (Pb-Free)	426	0	0	None
VFBGA (0.75-0.8, 0.3mm, Pb-Free)	423	0	0	None
PLCC (Pb-Free)	310	0	0	None
Grand Total	11,810	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)	964	0	0	None
FBGA (0.75-0.8, 0.3mm)	299	0	0	None
FBGA (0.75-0.8, 0.3mm, Pb-free)	1,438	1	0.001	1-Lifted Ball (See Note 1)
FBGA (1.0-1.27)	549	0	0	None
FBGA (1.0-1.27, Pb-free)	3,129	0	0	None
FLIPCHIP CSP (Pb-Free)	307	0	0	None
PDIP	60	0	0	None
PDIP (Pb-Free)	1,578	0	0	None
PLCC (Pb-Free)	529	0	0	None
PQFP (Pb-free)	207	0	0	None
QFN (COL, 0.6mm, Saw Type, Pb-free)	2,124	0	0	None
QFN (0.6mm, Punch Type, Pb-Free)	57	0	0	None
QFN (Punch Type, Pb-Free)	284	0	0	None
QFN (Saw Type, Pb-Free)	12,219	0	0	None
QFN (Punch Type, Wettable Flank, Pb-Free)	600	0	0	None
DFN, 0.8mm Thickness (Saw Type)	546	0	0	None
QSOP (Pb-Free)	525	0	0	None
SNC (Pb-Free)	211	0	0	None
SOIC	60	0	0	None
SOIC (Pb Free)	6,147	70	0.011	70-Cut Wedge (See Note 2)
SOJ	117	0	0	None
SOJ (Pb-Free)	387	0	0	None
SSOP (Pb-Free)	3,529	0	0	None
TQFP (Pb-Free)	2,556	0	0	None
TSOP (Pb-free)	679	0	0	None
TSOP I (Pb-Free)	177	0	0	None
TSOP II (Pb-Free)	2,488	0	0	None
TSSOP	219	0	0	None
TSSOP (Pb-Free)	2,347	0	0	None
VFBGA (0.75-0.8, 0.3mm)	150	0	0	None
VFBGA (0.75-0.8, 0.3mm, Pb-Free)	1,449	0	0	None
PBGA (Pb-Free)	120	0	0	None
Grand Total	46,051	71	0.15%	See Above

Notes :

1)CAR 201327016 – Replacement of Die Attach Epoxy with Die Attach Film

2)CAR 201237016 – Mold cure condition optimization



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
UFPGA (Pb-free)	1,415	0	0	None
FBGA (0.75-0.8, 0.3mm)	325	0	0	None
FBGA (0.75-0.8, 0.3mm, Pb-free)	1,255	0	0	None
FBGA (1.0-1.27)	330	0	0	None
FBGA (1.0-1.27, Pb-free)	1,924	0	0	None
FLIPCHIP CSP (Pb-Free)	588	0	0	None
PDIP (Pb-Free)	1,538	0	0	None
PLCC (Pb-Free)	667	0	0	None
PQFP (Pb-free)	202	0	0	None
QFN (COL, 0.6mm, Saw Type, Pb-free)	776	0	0	None
QFN (0.6mm, Punch Type, Pb-Free)	60	0	0	None
QFN (Punch Type, Pb-Free)	270	0	0	None
QFN (Saw Type, Pb-Free)	8,946	0	0	None
QFN (Punch Type, Wettable Flank, Pb-Free)	85	0	0	None
DFN, 0.8mm Thickness (Saw Type)	90	0	0	None
QSOP (Pb-Free)	168	0	0	None
SNC (Pb-Free)	150	0	0	None
SOIC	60	0	0	None
SOIC (Pb Free)	3,034	0	0	None
SOJ	60	0	0	None
SOJ (Pb-Free)	508	0	0	None
SSOP (Pb-Free)	1,298	0	0	None
TQFP (Pb-Free)	890	0	0	None
TSOP (Pb-free)	702	0	0	None
TSOP I (Pb-Free)	150	0	0	None
TSOP II (Pb-Free)	2,573	0	0	None
TSSOP	220	0	0	None
TSSOP (Pb-Free)	2,179	0	0	None
VFBGA (0.75-0.8, 0.3mm)	268	0	0	None
VFBGA (0.75-0.8, 0.3mm, Pb-Free)	1,714	0	0	None
PBGA (Pb-Free)	180	0	0	None
Grand Total	32,625	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: 6/30/2012

TO: 6/30/2013

Summary Detail -- EFR Performance Over Time

TECHNOLOGY	DIVISION	EVALNUM	TV	DEVICE	TEMP	VOLT	READOUT	DURATION	SS	REJECT	FA	COMMENTS
LL65												
	MPD	MR114084	R2	CY7C1512KV18-300BZXC	125	1.95	96	96	272	0		
	MPD	MR121071	R2	CY7C1312KV18-250BZXC	125	1.95	96	96	300	0		
	MPD	MR122072	R4	CY7C1512KV18-250BZXC	125	1.95	96	96	300	0		
	MPD	121905	R2	CYF0144V33L-133BGXI	125	1.6	96	96	218	0		
	MPD	MR123059	R1	CY7C1512KV18-250BZXI	125	1.95	96	96	500	0		
	MPD	MR123059	R2	CY7C1512KV18-250BZXC	125	1.95	96	96	500	0		
	MPD	MR131003	R1	CY7C1512KV18-250BZI	125	1.95	96	96	21343	2	CYCH-150	Gross Functional Failure
	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	125111	R1	CY7C1512KV18-250BZI	125	1.95	96	96	21343	2	LKS 539/ 125111-1E1	1-No abnormality, 1-M5 Cu Loss (Hole in M5)
	MPD	112501	R1	CY7C1512KO	125	1.95	96	96	3000	0		
	MPD	112501	R2	CY7C1512KO	125	1.95	96	96	3000	0		
Summary for Technology: LL65			12	records								
Sum									58,381	4		



MPD	MR124078	R1	7C1436B5AC	125	3.0	96	96	686	0
MPD	MR124078	R2	7C1436E5AC	125	5.0	96	96	1201	0
MPD	MR124078	R3	7C1436B5AC	125	3.0	96	96	697	0
MPD	MR124078	R4	7C1436E5AC	125	5.0	96	96	1939	0
MPD	MR124079	R1	7C1431B5AC	125	3.0	96	96	1115	0
MPD	MR124079	R2	7C1436E5AC	125	5.0	96	96	2239	0
CCD	MR114051	R4	CY8C20446A-24LQXIT	150	5	48	48	997	0
CCD	MR122071	R1-Split 1	CY8C20466A-24LQXI	150	2.07	48	48	944	0
CCD	MR122071	R1-Split 2	CY8C20466A-24LQXI	150	2.07	48	48	944	0
CCD	MR122071	R1-Split 3	CY8C20466A-24LQXI	150	2.07	48	48	1084	0
CCD	MR122071	R1-Split 4	CY8C20466A-24LQXI	150	2.07	48	48	1084	0
CCD	MR122071	R1-Split 5	CY8C20466A-24LQXI	150	2.07	48	48	841	0
MPD	MR123060	R1	CY14B101LA-ZS45XI	150	3.3	48	48	546	0
MPD	113005	R2C	CY14ME064Q2B-SXI	125	5.5	96	96	3330	0
MPD	113005	R2C	CY14ME064Q2B-SXI	125	5.5	48	48	3503	0
MPD	113005	R2E	CY14MB064Q2B-SXI	125	3.3	96	96	594	0
MPD	113005	R2E	CY14MB064Q2B-SXI	125	3.3	48	48	684	0
MPD	113005	R2F	CY14MB064Q2B-SXI	125	3.3	48	48	696	0
MPD	113005	R2F	CY14MB064Q2B-SXI	125	3.3	96	96	693	0
CCD	120501	R2	CY8C5868AXI-LP035ES	150	2.07	48	48	53	0



CCD	120501	R2	CY8C5868AXI-LP035ES	150	2.07	48	48	1538	0
MPD	MR123060	R1	CY14B101LA-ZS45XI	150	3.36	48	48	454	0
MPD	MR121072	R1	CY14B101LA-ZS45XI	150	3.3	48	48	677	0
PSD	124802	R5-Split 1	CY8CTMA884AE-12	150	2.07	48	48	778	0
PSD	124802	R5-Split 2	CY8CTMA884AE-12	150	2.07	48	48	390	0
PSD	124802	R5-Split 3 (B3A)	CY8CTMA884AE-12	150	2.07	48	48	129	0
PSD	124802	Split 3 (B)	CY8CTMA884AE-12	150	2.07	48	48	233	0
PSD	124802	R5A-Split 1	CY8CTMA616AE-12	150	2.1	48	48	1464	0
PSD	124802	R5A-Split 3 (B3A)	CY8CTMA616AE-12	150	2.1	48	48	39	0
PSD	124802	R5A-Split 3B	CY8CTMA616AE-12	150	2.1	48	48	296	0
PSD	124802	R6-Split 1	CY8CTMA616AA-12	150	2.07	48	48	1248	0
PSD	124802	R6-Split 1	CY8CTMA616AA-12	150	2.07	48	48	263	0
PSD	124802	R6A-Split 1	CY8CTMA616AA-12	150	2.1	48	28	1613	0
PSD	124802	R6A-(Split3) B	CY8CTMA616AA-12	150	2.1	48	48	247	0
PSD	124802	R6A-(Split3) B3A	CY8CTMA616AA-12	150	2.1	48	48	40	0
PSD	124802	R7-Split 1	CY8CTMA616AA-23	150	2.07	48	48	1460	0
PSD	124802	R7-(Split3) B3A	CY8CTMA616AA-23	150	2.07	48	48	194	0
PSD	124802	R7A-Split 1	CY8CTMA884AA-23	150	2.1	48	48	1591	0
PSD	124802	R7A-(Split 3)B3A	CY8CTMA884AA-23	150	2.1	48	48	172	0
PSD	124802	R7A-(Split3) B	CY8CTMA884AA-23	150	2.1	48	48	134	0



CCD	120907	R1-Split 5	CY8CTMA340-48LQI-01	125	2.07	48	48	244	0
CCD	120907	R1-Split 6	CY8CTMA340-48LQI-01	125	2.07	48	48	225	0
CCD	120907	R1-Split 7	CY8CTMA340-48LQI-01	125	2.07	48	48	215	0
DCD	122401	R1	CYRF89535-68LTXC	150	2.07	48	48	118	0
CCD	MR121064	R5-Split 1	CY8C20546A-24PVXIT	150	5	48	48	651	0
CCD	MR121064	R5-Split 2	CY8C20546A-24PVXIT	150	5	48	48	248	0
CCD	MR121065	R4	CY8C20536A-24PVXIT	150	5	48	48	600	0
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	123005	R1_Split 1	CY8C20446A-24LQXI	150	3.6	48	48	1074	0
CCD	123005	R1_Split 2	CY8C20446A-24LQXI	150	3.6	48	48	974	0
CCD	123005	R2_Split 1	CY8C20446A-24LQXI	150	3.6	48	48	1015	0
CCD	123005	R2_Split 2	CY8C20446A-24LQXI	150	3.6	48	48	1035	0
CCD	123005	R3_Split 1	CY8C20446A-24LQXI	150	3.6	48	48	1073	0
CCD	123005	R3_Split 1	CY8C20446A-24LQXI	150	3.6	48	48	977	0
CCD	115105	R1B_Split 1	CY8C20446A-24LQXI	150	2.7	48	48	1005	0
CCD	115105	R1B_Split 2	CY8C20446A-24LQXI	150	2.7	48	48	1005	0
CCD	115105	R1B_Split 3	CY8C20446A-24LQXI	150	2.7	48	48	1006	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	GOOBI1	CY8C4245AXI-483ES	150	2.07	48	48	1049	0
PSD	123502	GOOBI1	CY8C4245AXI-483ES	150	2.07	48	48	1093	0
PSD	123502	GOOBI1	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
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
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



Summary for Technology: S8

171

records

Sum

68,652 0

C8

PSD	MR123072	R1	CY7C65630-56LTXC	125	3.8	96	96	697	0
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

4

records

3,642 1

R9

MPD	MR121067	R1	CY7C1380D-167AXIT	150	2.25	48	48	864	0
MPD	MR123061	R1	CY7C1380D-167AXC	150	2.25	48	48	998	0
MPD	115105	R2B	7C1370XC-**JTAZC	150	2.07	48	48	2798	0
MPD	115105	R2C	7C1370XC-**JTAZC	150	2.07	48	48	2800	0
MPD	115105	R2A	7C1370XC-**JTAZC	150	2.07	48	48	3198	0

Summary for Technology: R9

5

records

Sum

10,658 0

R7

PSD	MR123056	R1	CY7C1019CV33-10ZXAT	150	2.3	24	24	998	0
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Summary for Technology: R7

1

records

Sum

998 0



S4

CCD	MR122065	R1	CY8C27443-24PVXIT	125	5.5	96	96	1000	0
CCD	MR121063	R1	CG6865AS	125	5.5	96	96	1000	0
CCD	122003	R1	CY8C21534B-24PVXI	150	5.5	48	48	1020	0
CCD	122003	R2	CY8C21534B-24PVXI	150	5.5	48	48	1020	0
CCD	122003	R3	CY8C21534B-24PVXI	150	5.5	48	48	1018	0
CCD	MR124064	R1	CY8C24533-24PVXI	125	5.5	96	96	1000	0
DCD	122602	R1-Split 1	CYRF8935AK-24LQXC	150	3.96	48	48	767	0
DCD	122602	R1-Split 1A	CYRF8935AK-24LQXC	150	3.96	48	48	750	0
DCD	122602	R1-Split 2	CYRF8935AK-24LQXC	150	3.96	48	48	576	0
DCD	122602	R1-Split 3	CYRF8935AK-24LQXC	150	3.96	48	48	765	0
DCD	122602	R1-Split 4	CYRF8935AK-24LQXC	150	3.96	48	48	768	0
DCD	122602	R1-Split 5	CYRF8935AK-24LQXC	150	3.96	48	48	323	0
DCD	122602	R1-Split 6	CYRF8935AK-24LQXC	150	3.96	48	48	576	0
DCD	122602	R2	CYRF8935AK-24LQXC	150	3.96	48	48	766	0
DCD	122602	R3	CYRF8935AK-24LQXC	150	3.96	48	48	755	0
CCD	MR123057	R1	CY8C20424-12LQXI	125	5.5	120	120	489	0
CCD	MR123057	R2	CY8C20424-12LQXIT	125	5.5	120	120	346	0
CCD	MR121069	R1	CY8C21534-12PVXET	150	5	48	48	785	0
CCD	MR123071	R1	CY8C29466-24PVXIT	125	5.5	96	96	919	0



130nm TI F-RAM

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

Sum **3,012** **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		
Summary for Technology: C8			3	records								
Sum									881	0		
LL65												
	MPD	MR114084	R2	CY7C1512KV18-300BZXC	125	1.95	1000	1000	272	0		
	MPD	MR121071	R2	CY7C1312KV18-250BZXC	125	1.95	1000	1000	300	0		
	MPD	121905	R2	CYF0144V33L-133BGXI	125	1.6	1180	1180	213	0		
	MPD	MR122072	R4	CY7C1512KV18-250BZXC	125	1.95	1000	1000	299	0		
	MPD	MR123059	R1	CY7C1512KV18-250BZXI	125	1.95	1000	1000	500	0		
Summary for Technology: LL65			5	records								
Sum									1,584	0		



MPD	MR124078	R4	7C1436E5AC	125	5.0	332	332	108	0
MPD	MR124079	R1	7C1431B5AC	125	3.0	332	332	80	0
MPD	MR124079	R2	7C1436E5AC	125	5.0	332	332	100	0
MID	113005	R2E	CY14MB064Q2B-SXI	150	5.5	168	168	88	0
CCD	120501	R2	CY8C5868AXI-LP035ES	150	2.07	500	500	126	0
PSD	124802	R5	CY8CTMA884AE-12	150	2.07	408	408	77	0
PSD	124802	R6	CY8CTMA616AA-12	150	2.07	408	408	83	0
PSD	124802	R7	CY8CTMA616AA-23	150	2.07	408	408	88	0
CCD	MR122071	R1	CY8C20466A-24LQXI	150	2.07	500	500	297	0
MPD	MR123060	R1	CY14B101LA-ZS45XI	150	3.3	500	500	300	0
DCD	122401	R1	CYRF89535-68LTXC	150	2.07	500	500	118	0
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	78	78	118	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



Summary Detail -- DRET Performance Over Time

TECHNOLOGY	DIVISION	EVALNUM	TV	DEVICE	TEMP	VOLT	READOUT	DURATION	SS	REJECT	FA	COMMENTS
S4												
	CCD	MR112041	R1	CY8C24533-24PVXI	175	0	2000	2000	80	0		
	CCD	MR112041	R1	CY8C24533-24PVXI	150	0	3500	3500	80	0		
	CCD	MR113026	R1	CY8C29466-24PVXI	150	0	3500	3500	80	0		
	CCD	MR113027	R1	CY8C24533-24PVXI	150	0	3500	3500	80	0		
	CCD	MR114090	R1	CY8C29466-24PVXI	150	0	3500	3500	80	0		
	CCD	MR114090	R1	CY8C29466-24PVXI	175	0	3500	3500	79	0		
	CCD	MR104039	R1	CY8C24533-24PVXI	175	0	3500	3500	80	0		
	CCD	MR114093	R1	CY8C21534-24PVXI	175	0	1000	1000	79	0		
	CCD	MR114093	R1	CY8C21534-24PVXI	150	0	2000	2000	80	0		
	CCD	MR121081	R1	CY8C24533-24PVXI	150	0	2000	2000	80	0		
	CCD	MR121081	R1	CY8C24533-24PVXI	175	0	2000	2000	80	0		
	PSD	MR122085	R1	CY8C29466-24PVXI	150	0	1000	1000	80	0		
	CCD	MR123073	R2	CY8C21534B-24PVXI	175	0	408	408	72	0		
	CCD	122003	R1	CY8C21534B-24PVXI	175	0	500	500	80	0		
	CCD	122003	R1	CY8C21534B-24PVXI	150	0	1000	1000	80	0		
	CCD	122003	R2	CY8C21534B-24PVXI	175	0	500	500	80	0		



CCD	122003	R2	CY8C21534B-24PVXI	150	0	1000	1000	80	0
CCD	MR112055	R1	CY8C29466-24PVXI	175	0	3500	3500	79	0
CCD	MR112055	R1	CY8C29466-24PVXI	150	0	3500	3500	80	0
CCD	MR114091	R1	CY8C29466-24PVXIT	150	0	3500	3500	80	0
CCD	MR114091	R1	CY8C29466-24PVXIT	175	0	3500	3500	80	0
CCD	MR122076	R1	CY8C27443-24PVXIT	175	0	2000	2000	80	0
CCD	MR122085	R1	CY8C29466-24PVXI	175	0	1000	1000	80	0
CCD	MR123073	R2	CY8C21534B-24PVXI	150	0	1000	1000	75	0
CCD	MR122076	R1	CY8C27443-24PVXIT	150	0	3500	3500	80	0
PSD	MR124097	R1	CY8C21534-24PVXIT	150	0	1000	1000	80	0
PSD	MR124080	R1	CY8C29466-24PVXI	150	0	500	500	80	0
CCD	MR123082	R1	CY8C29466-24PVXIT	150	0	1000	1000	80	0
PSD	MR124080	R1	CY8C29466-24PVXI	150	0	1000	1000	80	0

Summary for Technology: S4 29

records

Sum 2,304 0

S8

CCD	120402	R1	CY8C3866AXI-040ES4	150	0	1500	1500	79	0
CCD	120402	R2	CY8C3866AXI-040ES4	150	0	1000	1000	81	0
CCD	MR114086	R1	CY8C20446A-24LQXIT	150	0	2000	2000	77	0
CCD	MR114086	R1	CY8C20446A-24LQXIT	175	0	2000	2000	78	0



CCD	MR114087	R1	CY8C20446A-24LQXIT	150	0	2000	2000	72	0
CCD	MR114087	R1	CY8C20446A-24LQXIT	175	0	1000	1000	5	0
CCD	MR114087	R1	CY8C20446A-24LQXIT	150	0	2000	2000	8	0
CCD	MR121078	R2	CY8C20446A-24LQXIT	175	0	288	288	80	0
CCD	MR122082	R1	CY8CTMG200A-32LQXI	175	0	500	500	79	0
CCD	MR121076	R1	CY8C29466-24PVXI	150	0	3500	3500	80	0
CCD	MR121076	R1	CY8C29466-24PVXI	175	0	3500	3500	80	0
CCD	MR123076	R1	CY8C20436A-24LQXI	150	0	1000	1000	79	0
CCD	MR121078	R2	CY8C20446A-24LQXIT	150	0	1000	1000	80	0
CCD	MR121085	R1	CY8CTMG200A-32LQXI	175	0	500	500	80	0
CCD	MR121085	R1	CY8CTMG200A-32LQXI	150	0	1000	1000	80	0
CCD	MR122079	R1	CY8C20446A-24LQXIT	175	0	500	500	80	0
CCD	MR122079	R1	CY8C20446A-24LQXIT	150	0	1000	1000	80	0
CCD	MR122082	R1	CY8CTMG200A-32LQXI	150	0	1000	1000	79	0
CCD	MR123079	R1	CY8CTST242-LQI-01T	175	0	408	408	73	0
CCD	MR123079	R1	CY8CTST242-LQI-01T	150	0	1000	1000	78	0
CCD	120501	R1	CY8C5888AXI-LP061ES	150	0	1000	1000	85	0
CCD	MR123076	R1	CY8C20436A-24LQXI	175	0	288	288	79	0
CCD	MR124082	R1	CY8CTMG201A-32LQXIT	150	0	1000	1000	80	0
CCD	MR124084	R1	CY8C20446A-24LQXI	150	0	1000	1000	79	0



CCD	123005	R1	CY8C20446A-24LQXI	175	0	288	288	80	0
CCD	123005	R1	CY8C20446A-24LQXI	150	0	1000	1000	80	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
CCD	MR131080	R1	CY8C20436A-24LQXIT	150	0	1000	1000	80	0

Summary for Technology: S8

44

records

Sum

2,228

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

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

Sum

3

records

231

0



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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FROM: 6/30/2012

FROM: 6/30/2013

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		
UFBGA (Pb-free)											
BU84AAAAAL	G	123605	R1	CY8CTMA1036BUI-33ES2	130	5.5	192	70	0		
BU84AAAAAL	G	123605	R2	CY8CTMA1036BUI-33ES2	130	5.5	128	77	0		
BU84AAAAAL	G	123605	R2	CY8CTMA1036BUI-33ES2	130	5.5	192	72	0		
BU84AAAAAL	G	123605	R3	CY8CTMA1036BUI-33ES2	130	5.5	128	79	0		
BU84AAAAAL	G	123605	R3	CY8CTMA1036BUI-33ES2	130	5.5	192	74	0		
BU84ABAAAL	AC	123603	R1	CY8CTMA1036BUI-33ES2	130	5.5	128	75	0		
BU84ABAAAL	AC	123603	R1	CY8CTMA1036BUI-33ES2	130	5.5	192	70	0		
BU84ABAAAL	AC	123603	R2	CY8CTMA1036BUI-33ES2	130	5.5	128	80	0		
BU84ABAAAL	AC	123603	R2	CY8CTMA1036BUI-33ES2	130	5.5	192	75	0		



BU84ABAAAL	AC	123603	R3	CY8CTMA1036BUI-33ES2	130	5.5	128	80	0
BU84ABAAAL	AC	123603	R3	CY8CTMA1036BUI-33ES2	130	5.5	196	75	0
Summary for Package Family: UFBGA (Pb-free)			11	records					
Sum								827	0
FBGA (0.75-0.8, 0.3mm, Pb-free)									
BK48DJALL	G	MR114042	R2	CY62177DV30LL-55BAXI	110	3.6	264	30	0
BK48DJALL	G	MR121049	R2	CY62177DV30LL-55BAXI	130	3.6	128	30	0
BK121BAGLC	RA	MR131085	R1	CG7648AMT	130	3.63	128	40	0
BK121BAGLC	RA	MR131085	R2	CG7648AMT	130	3.63	128	40	0
BK121BAGLC	RA	MR131085	R3	CG7648AMT	130	3.63	128	45	0
BK48CDGLL	G	122001	R1	7A134101F	130	3.65	96	90	0
BK48CDGLL	G	122001	R2	7A134101F	130	3.65	96	90	0
BK48CDGLL	G	122001	R3	7A134101F	130	3.65	96	90	0
Summary for Package Family: FBGA (0.75-0.8, 0.3mm, Pb-free)			8	records					
Sum								455	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	CY7C1312KV18-250BZXXC	130	1.95	128	30	0
BW165RNALL	RA	MR132032	R1	CY7C1312KV18-300BZXI	130	1.95	128	30	0
BW209GAAL	G	121905	R1	7C4S1444AO-**GBWI	130	3.6	264	75	0
Summary for Package Family: FBGA (1.0-1.27, Pb-free)			17	records					
Sum								839	0
FCBGA									
361FCBGA	G	112002	R8	7C1653KTC	110	1.95	264	10	0
361FCBGA	G	112002	R7	7C1653KTC	110	1.95	264	10	0
361FCBGA	G	112002	R6	7C1653KTC	110	1.95	264	10	0
Summary for Package Family: FCBGA			3	records					
Sum								30	0
PDIP (Pb-Free)									
PZ183DPDGN	RA	MR123023	R1	CY7C63723C-PXC	130	5.5	128	30	0
PZ183DPDGN	RA	MR122016	R1	CY7C63723C-PXC	130	5.5	128	30	0
PZ283AAAGN	X	MR122047	R1	CY8C27443-24PXI	130	5.25	128	30	0
PZ283ACAGL	X	MR121051	R1	CY7C199CN-15PXC	130	5.5	128	30	0
PZ283CGGAS	M	122903	R1	CY7C199CN-15PXC	130	5.5	128	120	0
PZ283CGGAS	M	122903	R2	CY7C199CN-15PXC	130	5.5	128	120	0



PZ183DPBGN	RA	MR124052	R1	CY7C63813-PXC	130	5.5	128	30	0
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

Summary for Package Family: PDIP (Pb-Free) 10

records

Sum

447 0

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

LG16AQAAAL	G	NR121001	R8	CY8C20236A-24LKXI	130	5.25	128	79	0
LG16AQAAAL	G	NR121001	R9	CY8C20236A-24LKXI	130	5.25	128	79	0
LG16AQAAAL	G	NR121001	R10	CY8C20236A-24LKXI	130	5.25	128	79	0
LG16AQAAAL	G	NR121001	R11	CY8C20236A-24LKXI	130	5.25	128	79	0
LG16AQAAAL	G	NR121001	R12	CY8C20236A-24LKXI	130	5.25	128	79	0
LG16AQAAAL	G	NR121001	R13	CY8C20236A-24LKXI	130	5.25	128	79	0
LG16AQAAAL	G	NR121001	R14	CY8C20236A-24LKXI	130	5.25	128	78	0
LG16AQAAAL	G	NR121001	R15	CY8C20236A-24LKXI	130	5.25	128	78	0
LG16AQAAAL	G	MR122031	R1	CY7C64315-16LKXCT	130	5.25	128	30	0
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
Summary for Package Family: QFN (COL, 0.6mm, Saw Type, Pb-free)			12	records					
Sum								749	0

QFN (Punch Type, Pb-Free)

LY56DGAGL	L	MR114035	R2	CY8CTMG120-56LFXA	130	5.25	128	30	0
LY56AGAGL	L	MR123008	R1	CY7C65630-56LFXAT	130	3.63	96	30	0
Summary for Package Family: QFN (Punch Type, Pb-Free)			2	records					
Sum								60	0

QFN (Saw Type, Pb-Free)

LT48DQAAAL	G	114905	R3	CY8C3866LTI-068	130	5.5	192	70	0
LT48CQAAAL	G	MR121009	R1	CYWUSB6935-48LTXIKG	130	3.6	128	30	0
LT32BAABGL	RA	MR122002	R1	CY8C21434-24LTXIT	130	5.25	128	30	0
LT56YAAAAL	G	MR122027	R1	CY7C65640A-LTXC	130	3.8	128	30	0
LQ32QAAAAL	G	MR122028	R1	CY8C20446A-24LQXI	130	5.25	128	30	0
LT56BEAAGL	RA	MR123015	R1	CY8C24794-24LTXI	130	5.25	128	30	0
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
LT56BEAAGL	RA	MR124014	R1	CS6651DAT	130	5.25	128	30	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	R1	CYRF8935AK-24LQXC	130	1.98	128	79	0
LQ24AQAALC	G	122602	R1	CYRF8935AK-24LQXC	130	1.98	256	78	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	R1	CY8C21434-24LTXIT	130	5.25	128	40	0
LT32BABGLC	RA	MR131001	R2	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
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	5.25	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
LQ48AQAAAL	G	120606	R3	CY8CTMA300E-48LQXI	130	5.5	128	79	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
LT40BQAAAL	G	122704	R3	CYRF89235-40LTXC	130	3.63	128	75	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
LT68GAAAAL	G	130903	R2	CY8C5568LTI-114	130	5.5	128	79	0
LT68GAAAAL	G	130903	R3	CY8C5568LTI-114	130	5.5	128	80	0
LT68GAAAAL	G	130903	R6	CY8C5568LTI-114	130	5.5	128	42	0
LT68GAAAAL	G	130903	R7	CY8C5568LTI-114	130	5.5	128	47	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
LT68YAAALC	G	MR132035	R1	CY8C3445LTI-079KG	130	5.5	128	40	0
LT68YAAALC	G	MR132035	R2	CY8C3445LTI-079KG	130	5.5	128	40	0
LT68YAAALC	G	MR132035	R3	CY8C3445LTI-079KG	130	5.5	128	40	0

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

86 records

Sum

3062 0

QFN (Punch Type, Wettable Flank, Pb-Free)

LW56DGAZGL	L	121304	R1	CY8CTMA120-56LWXA	130	5.5	96	80	0
LW56DGAZGL	L	121304	R2	CY8CTMA120-56LWXA	130	5.5	96	80	0
LW56DGAZGL	L	121304	R3	CY8CTMA120-56LWXA	130	5.5	96	79	0
LW56DGAZGL	L	131006	R1	CY8CTMA120-56LWXA	130	5.25	96	80	0



LW56DGAZGL	L	131006	R1	CY8CTMA120-56LWXA	130	5.25	128	80	0
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Summary for Package Family: QFN (Punch Type, Wettable Flank, Pb-Free)			5	records					
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Sum								399	0
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SNC (Pb-Free)

SY2831BHN	JT	MR123036	R1	CG7261AT	130	5.5	96	30	0
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SY2831BHN	JT	MR124037	R1	CY62256NLL-70SNXA	130	5.5	96	30	0
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SY2831BCLN	JT	MR131020	R1	CY62256NLL-70SNXCT	130	5.5	128	30	0
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SY2831BHN	JT	MR132025	R1	CG7261ATT	130	5.5	96	30	0
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Summary for Package Family: SNC (Pb-Free)			4	records					
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Sum								120	0
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SOIC

S1615KDAGN	RA	MR123017	R1	CY2309SC-1H	130	3.8	128	29	0
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Summary for Package Family: SOIC			1	records					
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Sum								29	0
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SOIC (Pb Free)

SZ2035BAAL	JT	MR122048	R1	CY8C27243-24SXIT	130	5.25	128	30	0
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SZ815CGAAS	M	MR123007	R1	CY2305CSXA-1HT	130	3.63	96	30	0
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SZ815CGAAS	M	MR124031	R1	CY2305CSXA-1HT	130	3.63	96	30	0
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SZ324513AN	JT	MR124038	R1	CY62128BNLL-70SXAT	130	5.5	96	30	0
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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
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	130	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
Summary for Package Family: SOIC (Pb Free)			13	records					
Sum								560	0
SOJ (Pb-Free)									
VZ28311KLL	R	MR113064	R1	CY7C1399BN-15VXAT	130	3.63	96	30	0
VZ32314CLL	JT	MR121024	R1	CY7C1009D-10VXI	130	5.5	128	30	0
VZ444ADCLN	JT	MR122038	R1	CY7C1041D-10VXIT	130	5.5	128	30	0
VZ28313CLN	JT	MR122050	R1	CY7C1399BN-12VXI	130	5.5	128	30	0
VZ32314CLL	JT	MR123033	R1	CY7C1018DV33-10VXIT	130	3.63	128	30	0



VZ32314CLL	JT	MR131023	R1	CY7C1018DV33-10VXIT	130	3.63	128	27	0
VZ28314CLN	JT	MR132028	R1	CY7C199D-10VXIT	130	3.77	128	30	0
Summary for Package Family: SOJ (Pb-Free)			7	records					
Sum								207	0
SSOP (Pb-Free)									
SP2024CAGL	M	MR121062	R1	CY8C21334-24PVXAT	130	5.25	96	30	0
SP2824HAN	T	MR121052	R1	CY8C24533-24PVXI	130	5.25	128	30	0
SP483FBKGN	RA	MR122003	R1	CY8C20536A-24PVXIT	130	5.25	128	30	0
SP483FBKGN	RA	MR121019	R2	CY8C20536A-24PVXIT	130	5.25	128	30	0
SP28214GL	T	MR124035	R1	CY8C24423A-24PVXI	130	5.25	128	30	0
SP483FBKGN	RA	MR123016	R1	CY8C20546A-24PVXIT	130	5.25	128	30	0
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
SP282ABBGN	RA	122003	R1	CY8C21534B-24PVXI	130	5.25	128	80	0
SP282ABBGN	RA	122003	R2	CY8C21534B-24PVXI	130	5.25	128	80	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 for Package Family: SSOP (Pb-Free) 18 records

Sum 829 0

TQFP (Pb-Free)

AZ100SECGL	JT	110601	R1	CY7CS65T5A-125AXI	130	3	256	88	0
AZ100RYCLN	JT	MR121021	R1	CY7C1360C-166AXI	130	3.3	128	30	0
AZ100RJBLN	R	MR124034	R1	CY7C1350G-200AXCT	130	3.63	128	30	0
AZ100SFEAL	JT	124802	R2	CY8CTMA884AA-13	130	5.5	96	80	0
AZ100SFEAL	JT	124802	R3	CY8CTMA616AA-13	130	5.5	96	77	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

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

Sum 542 0

TSOP (Pb-free)

ZT28R2ABGN	JT	MR121061	R1	CY62256NLL-55ZXAT	130	5.5	96	30	0
ZT28R2ABGN	JT	MR122035	R2	CY62256NLL-55ZXAT	130	5.5	128	30	0
ZT28R2ABGN	JT	MR123009	R1	CY62256NLL-55ZXAT	130	5.5	128	30	0



ZT28R2ABGN	JT	MR124039	R1	CY62256NLL-55ZXAT	130	5.5	128	30	0
ZT28R2BCLN	JT	MR114004	R2	CY62256VNLL-70ZXIT	130	3.63	128	30	0
ZT32RABALL	T	MR122042	R1	CY62128EV30LL-45ZXIT	130	3.6	128	30	0
ZT32RAEDLN	RA	MR123031	R1	CY62128EV30LL-45ZXI	130	3.6	128	30	0
ZT32RAEDLN	RA	MR124003	R1	CY62128EV30LL-45ZXIT	130	3.6	128	30	0
ZT32RBBALL	T	MR114065	R1	CY62128ELL-45ZXA	130	3.6	96	30	0
ZT32RBBALL	T	MR121034	R2	CY62128ELL-45ZXA	130	3.6	96	30	0
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 for Package Family: TSOP (Pb-free)			16	records					
Sum								480	0
TSOP I (Pb-Free)									
ZB32RHABL N	JT	MR123001	R1	CY62138FV30LL-45ZAXAT	130	3.63	96	30	0
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)			3	records					
Sum								90	0
TSOP II (Pb-Free)									
ZW444AKCLN	R	MR114064	R1	CY7C1011CV33-12ZSXE	130	3.65	96	30	0
ZW444AHILL	JT	MR114069	R1	CY62126EV30LL-45XAKJ	130	3.6	96	30	0
ZW44AAXAGL	RA	MR121003	R1	CY7C1021D-10ZSXIT	130	3.65	128	30	0
ZW324FBGL	T	MR121026	R1	CY7C1019CV33-10ZXA	130	3.3	96	30	0
ZW444AMCLN	JT	MR121037	R2	CY62147EV30LL-45ZSXIT	130	3.65	128	30	0
ZW444VDLL	JT	MR121057	R1	CY62147EV30LL-45XAKJ	130	3.6	96	30	0
ZW444RACLN	JT	MR122013	R1	CY62137VNLL-70ZSXA	130	3.65	96	30	0
ZW324FBGL	T	MR122036	R1	CY7C1019CV33-10ZXA	110	3.3	128	29	0
ZW324CBALR	T	MR114057	R1	CY62148EV30LL-45ZSXAT	130	3.6	96	30	0
ZW324FBGL	T	MR123010	R1	CY7C1019CV33-10ZXAT	130	3.3	96	30	0
ZW444AOLN	JT	MR123002	R1	CY62146ELL-45ZSXA	130	3.6	96	30	0
ZW44ABXAGL	RA	MR124004	R1	CY62146ESL-45ZSXI	130	3.6	128	30	0
ZW44ADXAGL	RA	MR121018	R1	CY14B104NA-ZS45XIT	130	3	128	30	0
ZW44AXXAGL	RA	MR122041	R1	CY14B101LA-ZS45XI	130	3.3	128	30	0
ZW44AXXAGL	RA	MR123026	R1	CY14B101LA-ZS45XIT	130	3.3	128	26	0
ZW544AALL	G	MR123028	R1	CY7C1069AV33-10ZXC	130	3.63	128	30	0



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
ZW444AYAGLC	RA	MR132001	R1	CY62137FV30LL-45XIKA	130	3.8	128	42	0

Summary for Package Family: TSOP II (Pb-Free) 25

records

Sum

766 0

TSSOP (Pb-Free)

ZZ1620GBAN	RA	MR124001	R1	CY22393FXCT	130	3.6	128	30	0
ZZ0811XAGN	M	122204	R1	CY2DP1502ZXC	130	3.63	128	80	0
ZZ0811XAGN	M	122204	R2	CY2DP1502ZXC	130	3.63	128	80	0
ZZ1620GCAN	RA	124204	R1	CY2309SXI-1H	130	3.8	128	89	0
ZZ2817ABGL	RA	124204	R3	CY24272ZXC	130	2.5	128	87	0



ZZ1620GBAN	RA	MR131051	R1	CY22392FXC	130	3.63	128	30	0
ZZ1620GBAN	RA	MR132010	R1	CY22394FXCT	130	3.63	128	30	0

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

Sum 426 0

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

BZ48DAGLL	RA	MR121004	R1	CY62137FV30LL-45BVXIT	130	3.6	264	28	0
BZ48CEAALL	G	MR121025	R1	CY62147EV30LL-45BVXA	110	3.6	96	30	0
BZ48CEAALL	G	MR122011	R1	CY62147EV30LL-45BVXA	110	3.6	96	30	0
BZ48DAGLL	RA	MR122046	R1	CY62137FV30LL-45BVXI	130	3.6	264	30	0
BZ84ACAAAL	G	NR122002	R2	CY8CTMA1036BZI-12	130	5.5	128	25	0
BZ84ACAAAL	G	NR122002	R3	CY8CTMA1036BZI-12	130	5.5	128	25	0
BZ84AAAAAL	RA	NR122004	R1	CY8CTMA1036BZI-12	130	5.5	128	25	0
BZ84AAAAAL	RA	NR122004	R2	CY8CTMA1036BZI-12	130	5.5	128	25	0
BZ84AAAAAL	RA	NR122004	R3	CY8CTMA1036BZI-12	130	5.5	128	25	0
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

Summary for Package Family: VFBGA (0.75-0.8, 0.3mm, Pb-Free) 13 records

Sum 423 0



Summary Detail -- HTS Performance Over Time

BUILDKIT	ASSY SITE	EVALNUM	TV	DEVICE	TEMP	VOLT	READOUT	SS	REJECT	FA	COMMENTS
UFBGA (Pb-free)											
BU84ABAAAL	AC	123603	R1	CY8CTMA1036BUI-33ES2	150	0	500	83	0		
BU84ABAAAL	AC	123603	R1	CY8CTMA1036BUI-33ES2	150	0	1000	77	0		
BU84ABAAAL	AC	123603	R2	CY8CTMA1036BUI-33ES2	150	0	500	83	0		
BU84ABAAAL	AC	123603	R2	CY8CTMA1036BUI-33ES2	150	0	1000	77	0		
BU84ABAAAL	AC	123603	R3	CY8CTMA1036BUI-33ES2	150	0	500	83	0		
BU84ABAAAL	AC	123603	R3	CY8CTMA1036BUI-33ES2	150	0	1000	78	0		
BU84AAAAAL	G	123605	R1	CY8CTMA1036BUI-33ES2	150	0	500	83	0		
BU84AAAAAL	G	123605	R1	CY8CTMA1036BUI-33ES2	150	0	1000	78	0		
BU84AAAAAL	G	123605	R2	CY8CTMA1036BUI-33ES2	150	0	500	79	0		
BU84AAAAAL	G	123605	R2	CY8CTMA1036BUI-33ES2	150	0	1000	74	0		
BU84AAAAAL	G	123605	R3	CY8CTMA1036BUI-33ES2	150	0	500	79	0		
BU84AAAAAL	G	123605	R3	CY8CTMA1036BUI-33ES2	150	0	1000	74	0		
BU84AAAAAL	G	130904	R4	CY8CTMA1036BUI-33ES2	150	0	500	83	0		
BU84AAAAAL	G	130904	R4	CY8CTMA1036BUI-33ES2	150	0	1000	78	0		
BU84AAAAAL	G	130904	R5	CY8CTMA1036BUI-33ES2	150	0	500	79	0		
BU84AAAAAL	G	130904	R5	CY8CTMA1036BUI-33ES2	150	0	1000	74	0		



BU84AAAAAL	G	130904	R6	CY8CTMA1036BUI-33ES2	150	0	500	79	0
BU84AAAAAL	G	130904	R6	CY8CTMA1036BUI-33ES2	150	0	1000	74	0

Summary for Package Family: UFBGA (Pb-free)

18 records

Sum 1415 0

FBGA (0.75-0.8, 0.3mm)

BA48ZGALE	G	MR113048	R1	CY7C1021BNV33L-15BAI	150	0	1000	30	0
BA48ZGALE	G	MR121027	R1	CY7C1021BNV33L-15BAI	150	0	1000	30	0
BA48ZGALE	G	MR121027	R1	CY7C1021BNV33L-15BAI	150	0	500	30	0
BA48ZGALE	G	MR122034	R1	CY7C1021BNV33L-15BAI	150	0	1000	30	0
BA48ZGALE	G	MR122034	R1	CY7C1021BNV33L-15BAI	150	0	500	30	0
BA48ZGALE	G	MR123044	R1	CY7C1021BNV33L-15BAIT	150	0	500	30	0
BA48ZGALE	G	MR123044	R1	CY7C1021BNV33L-15BAIT	150	0	1000	30	0
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)

11 records

Sum 325 0

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

BK121DGAGL	G	115001	R1	CYUSB3014-BZXIES	150	0	2000	89	0
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BK121DGAGL	G	120403	R1	CYUSB3014-BZXIES	150	0	2000	81	0
BK121BGAGL	RA	121106	R1	CYUSB3014-BZXIES	150	0	2000	82	0
BK121BGAGL	RA	121106	R1	CYUSB3014-BZXIES	150	0	2000	82	0
BK48DLBLL	G	MR113033	R1	CY62187EV30LL-55BAXI	150	0	1000	29	0
BK48DJALL	G	MR114042	R1	CY62177DV30LL-55BAXI	150	0	1000	30	0
BK121AGAGL	RA	MR114079	R1	CYWB0220ABS-BZXI	150	0	500	29	0
BK48DJALL	G	MR121049	R1	CY62177DV30LL-55BAXI	150	0	1000	28	0
BK48DJALL	G	MR122051	R1	CY62177DV30LL-55BAXI	150	0	1000	30	0
BK48DJALL	G	MR122051	R1	CY62177DV30LL-55BAXI	150	0	500	30	0
BK121AGAGL	RA	MR123025	R1	CYWB0224ABS-BZXI	150	0	500	30	0
BK48DJALL	G	MR123043	R1	CY62177DV30LL-55BAXI	150	0	500	30	0
BK48CDGLL	G	MR114070	R1	CY7C1041CV33-10BAXA	150	0	1000	30	0
BK121AGAGL	RA	MR114079	R1	CYWB0220ABS-BZXI	150	0	1000	29	0
BK121AGAGL	RA	MR123025	R1	CYWB0224ABS-BZXI	150	0	1000	30	0
BK48DJALL	G	MR123043	R1	CY62177DV30LL-55BAXI	150	0	1000	29	0
BK48DJALL	G	MR123053	R1	CY62177DV30LL-55BAXIT	150	0	500	30	0
BK48DJALL	G	MR123053	R1	CY62177DV30LL-55BAXIT	150	0	1000	29	0
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



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

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

32

records

Sum

1255 0

FBGA (1.0-1.27)

BB165RNALE	RA	MR122017	R1	CY7C1312KV18-250BZC	150	0	1000	30	0
BB165RNALE	RA	MR122017	R1	CY7C1312KV18-250BZC	150	0	1000	30	0
BB165RNALE	RA	MR123038	R1	CY7C1313KV18-250BZC	150	0	500	30	0
BB165RNALE	RA	MR124010	R1	CY7C1313KV18-250BZC	150	0	500	30	0
BB165RNALE	RA	MR124010	R1	CY7C1313KV18-250BZC	150	0	1000	30	0
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
Summary for Package Family: FBGA (1.0-1.27)			10	records					
Sum								330	0
FBGA (1.0-1.27, Pb-free)									
BW165BUALL	G	120107	R1	CY7C1512KV18-250BZXC	150	0	2500	63	0
BW165BUALL	G	120107	R2	CY7C1512KV18-250BZXC	150	0	2500	82	0
BW165BUALL	G	120107	R3	CY7C1512KV18-250BZXC	150	0	2500	72	0
BW165GAALL	RA	120610	R1	CY7C1512KV18-250BZXC	150	0	2500	89	0
BW165GAALL	RA	120610	R2	CY7C1512KV18-250BZXC	150	0	2500	119	0
BW165BUALL	G	120612	R1	CY7C1512KV18-250BZXC	150	0	2000	70	0
BW165BUALL	G	120612	R2	CY7C1512KV18-250BZXC	150	0	2000	100	0
BW165BUALL	G	120612	R3	CY7C1512KV18-250BZXC	150	0	2000	99	0
BW209GAAL	G	121905	R1	7C4S1444AO-**GBWI	150	0	500	77	0
BW209GAAL	G	121905	R1	7C4S1444AO-**GBWI	150	0	1000	77	0
BW165GAALL	RA	MR113018	R1	CY7C1512KV18-250BZXI	150	0	2000	29	0
BW165GAALL	RA	MR113018	R1	CY7C1512KV18-250BZXI	150	0	2500	29	0
BW165RJALL	RA	MR122009	R1	CY7C1412KV18-250BZXI	150	0	1000	30	0



BW100EAGL	G	MR122020	R1	CYP15G0101DXB-BBXC	150	0	1000	30	0
BW100EAGL	G	MR123012	R1	CYP15G0101DXB-BBXC	150	0	500	30	0
BW100EAGL	G	MR123012	R1	CYP15G0101DXB-BBXC	150	0	1000	29	0
BW165GAALL	RA	MR113018	R1	CY7C1512KV18-250BZXI	150	0	3000	29	0
BW165RNALL	RA	MR123039	R1	CY7C1312KV18-250BZXC	150	0	500	30	0
BW165RNALL	RA	MR123039	R1	CY7C1312KV18-250BZXC	150	0	1000	30	0
BW165RNALL	RA	MR124011	R1	CY7C1312KV18-250BZXI	150	0	500	30	0
BW100EAGL	G	MR124025	R1	CYP15G0101DXB-BBXI	150	0	500	30	0
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

Summary for Package Family: FBGA (1.0-1.27, Pb-free)

41 records

Sum

1924 0

FLIPCHIP CSP (Pb-Free)

FN131ADRCD	DT	114701	R1	CYWB0263BB-FNXIES	150	0	1000	82	0
FN131ADRCD	DT	114701	R1	CYWB0263BB-FNXIES	150	0	1500	82	0
FB131ADBCD	DT	114702	R1	CYWB0263BB-FBXIES	85	0	1000	79	0
FB131ADBCD	DT	114702	R1	CYWB0263BB-FBXIES	85	0	1500	78	0
FN49ABAAAL	AU	MR121046	R1	CP7455ATT	150	0	500	30	0
FN49ABDRCD	DT	MR122049	R1	CG7524AMT	150	0	500	30	0
FN49ACAAAL	GQ	MR113072	R1	CY8CTMA340-FNI-09T	150	0	1000	30	0
FN49ABAAAL	AU	MR121046	R1	CP7455ATT	150	0	1000	30	0
FN49ABDRCD	DT	MR123050	R1	CG7524AMT	150	0	500	30	0



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

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

13 records

Sum

588 0

PDIP (Pb-Free)

PZ183DPDGN	RA	MR122016	R1	CY7C63723C-PXC	150	0	1000	30	0
P2434XAAGB	X	MR122037	R1	CY7C194BN-15PC	150	0	1000	30	0
P2434XAAGB	X	MR122037	R1	CY7C194BN-15PC	150	0	500	30	0
PZ283AAAGN	X	MR122047	R1	CY8C27443-24PXI	150	0	1000	30	0
PZ283AAAGN	X	MR122047	R1	CY8C27443-24PXI	150	0	500	30	0
PZ286EAAGN	X	MR123020	R1	CY62256NLL-70PXC	150	0	1000	30	0
PZ286EAAGN	X	MR123020	R1	CY62256NLL-70PXC	150	0	500	30	0
PZ183DPDGN	RA	MR123023	R1	CY7C63723C-PXC	150	0	500	30	0
PZ183DPDGN	RA	MR123023	R1	CY7C63723C-PXC	150	0	1000	30	0
PZ286EAAGN	X	MR124047	R1	CY62256NLL-70PXC	150	0	500	30	0
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
PZ283CGGAS	M	122903	R1	CY7C199CN-15PXC	150	0	500	120	0
PZ283CGGAS	M	122903	R1	CY7C199CN-15PXC	150	0	1000	110	0
PZ283CGGAS	M	122903	R2	CY7C199CN-15PXC	150	0	500	120	0
PZ283CGGAS	M	122903	R2	CY7C199CN-15PXC	150	0	1000	120	0
PZ286VFRAR	M	122903	R3	CY62256NLL-70PXC	150	0	500	120	0
PZ286VFRAR	M	122903	R3	CY62256NLL-70PXC	150	0	1000	115	0
PZ286VFRAR	M	122903	R4	CY62256NLL-70PXC	150	0	500	120	0
PZ286VFRAR	M	122903	R4	CY62256NLL-70PXC	150	0	1000	115	0
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

Summary for Package Family: PDIP (Pb-Free)

28 records

Sum

1538 0

PLCC (Pb-Free)

JZ52SFGAN	M	MR121054	R1	CY7C131-55JXC	150	0	1000	29	0
JZ52SFGAN	M	MR123051	R1	CY7C131-25JXCT	150	0	500	30	0



JZ52SFGAN	M	MR123051	R1	CY7C131-25JXCT	150	0	1000	30	0
JZ52SFGAN	M	MR124008	R1	CY7C146-55JXC	150	0	500	30	0
JZ52SFGAN	M	MR124008	R1	CY7C146-55JXC	150	0	1000	30	0
JZ28SBGAN	M	125107	R1	CY7B933-JXC	150	0	1000	112	0
JZ28SBGAN	M	125107	R2	CY7B933-JXC	150	0	1000	112	0
JZ28SBGAN	M	125107	R3	CY7B933-JXC	150	0	500	117	0
JZ28SBGAN	M	125107	R3	CY7B933-JXC	150	0	1000	117	0
JZ32RBGAN	M	MR132007	R1	CY7B991V-5JXIT	150	0	500	30	0
JZ32RBGAN	M	MR132007	R1	CY7B991V-5JXIT	150	0	1000	30	0

Summary for Package Family: PLCC (Pb-Free)

11

records

Sum

667 0

PQFP (Pb-free)

NZ52DXGAN	G	MR122023	R1	CY7C131-55NXC	150	0	1000	30	0
NZ52DXGAN	G	MR123027	R1	CY7C131-55NXC	150	0	500	30	0
NZ52DXGAN	G	MR123027	R1	CY7C131-55NXC	150	0	1000	30	0
NZ52EAALL	M	MR123052	R1	CY7C131E-55NXC	150	0	500	30	0
NZ52EAALL	M	MR123052	R1	CY7C131E-55NXC	150	0	1000	30	0



NZ52EAALL	M	MR124009	R1	CY7C131E-55NXC	150	0	1000	22	0
NZ52DXGAN	G	MR124032	R1	CY7C136-55NXCT	150	0	500	30	0

Summary for Package Family: PQFP (Pb-free)

7 records

Sum

202 0

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

LG16AQAAAL	G	112603	R1	CY8C20236A-24LKXI	150	0	1500	52	0
LG16AQAAAL	G	114903	R4	CY8C20224-12LKXI	150	0	3000	77	0
LG16AQAAAL	G	114903	R5	CY8C20110-LDX2I	150	0	3000	99	0
LG16AQAAAL	G	MR122031	R1	CY7C64315-16LKXCT	150	0	500	28	0
LG16AQAAAL	G	MR123013	R1	CG7601AAT	150	0	500	30	0
LG16AEAAAL	MB	MR114063	R1	CY8C20234-12LKXAT	150	0	1000	30	0
LG16AEAAAL	MB	MR121047	R1	CY8C20236A-24LKXIT	150	0	1000	30	0
LG16AQAAAL	G	MR122031	R1	CY7C64315-16LKXCT	150	0	1000	28	0
LG16AQAAAL	G	MR123013	R1	CG7601AAT	150	0	1000	29	0
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
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
LQ24AAAALC	RA	124105	R1	CY7C65211-24LTXIES	150	0	500	79	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

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

20 records

Sum

776 0

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

LK32AABAGL	L	MR114033	R1	CG7361AMT	150	0	500	30	0
LK32AABAGL	L	MR114033	R1	CG7361AMT	150	0	1000	30	0

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

2 records

Sum

60 0

QFN (Punch Type, Pb-Free)

LY24BGAGL	L	MR113040	R1	CY8C21323-24LFXIT	150	0	1000	30	0
LY56DGAGL	L	MR121031	R1	CY8CTMG120-56LFXA	150	0	1000	30	0
LY56AGAGL	L	MR122010	R1	CY7C65620-56LFXA	150	0	1000	30	0
LY56AGAGL	L	MR123008	R1	CY7C65630-56LFXAT	150	0	1000	30	0
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

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

9 records

Sum

270 0

QFN (Saw Type, Pb-Free)

LT48CQAAAL	G	NR122001	R1	CYWUSB6934-48LTXC	150	0	500	90	0
LT48CQAAAL	G	NR122001	R2	CYWUSB6934-48LTXC	150	0	500	90	0
LT48CQAAAL	G	NR122001	R3	CYWUSB6934-48LTXC	150	0	500	90	0
LT56YAAAAAL	G	114906	R1	CY7C65630-56LTXC	150	0	2000	80	0
LT68YAAAAAL	G	114906	R2	CY8C3866LTI-030	150	0	2000	75	0
LT32BABCGL	RA	120204	R2	CS7224AA	150	0	2500	97	0
LT32BABCGL	RA	120204	R3	CS7224AA	150	0	2500	97	0
LQ48AAAAAL	RA	120205	R1	CY8CTMA300E-48LQXI	150	0	3000	94	0
LQ48AAAAAL	RA	120205	R2	CY8CTMA300E-48LQXI	150	0	3000	104	0
LQ48AAAAAL	RA	120205	R3	CY8CTMA300E-48LQXI	150	0	3000	103	0
LQ24AQAAAL	G	120604	R1	CY7C68003-24LQXI	150	0	2500	96	0
LQ24AQAAAL	G	120604	R2	CY7C68003-24LQXI	150	0	2500	96	0
LQ24AQAAAL	G	120604	R3	CY7C68003-24LQXI	150	0	2500	97	0
LQ36AAAAAN	MB	MR113020	R1	CY8CTMA300E-36LQXI	150	0	1500	30	0
LQ36AAAAAN	MB	MR114015	R1	CY8CTMA340-LQI-01T	150	0	500	30	0



LQ36AAAAAL	L	MR114031	R1	CP7340ATT	150	0	500	30	0
LQ48AQAAAL	G	MR121005	R1	CY8CTMA340-48LQI-01T	150	0	1000	30	0
LQ48AQAAAL	G	MR121005	R1	CY8CTMA340-48LQI-01T	150	0	500	30	0
LT48CQAAAL	G	MR121009	R1	CYWUSB6935-48LTXIKG	150	0	1000	30	0
LT48CQAAAL	G	MR121009	R1	CYWUSB6935-48LTXIKG	150	0	500	30	0
LQ32EPDAGL	RA	MR121013	R1	CY8CTMG240-LQI-01	150	0	500	28	0
LT56BCAAGL	AE	MR122026	R1	CY7C65631-56LTXCT	150	0	1000	30	0
LT56YAAAAL	G	MR122027	R1	CY7C65640A-LTXC	150	0	1000	30	0
LQ32QAAAAAL	G	MR122028	R1	CY8C20446A-24LQXI	150	0	1000	30	0
LQ32QAAAAAL	G	MR122028	R1	CY8C20446A-24LQXI	150	0	500	30	0
LT88ABAAAL	L	MR122033	R1	CY8CTMA616LTI-13T	150	0	500	30	0
LT88ABAAAL	L	MR123003	R1	CY8CTMA616LTI-13	150	0	500	30	0
LT56BCAAGL	AE	MR123005	R1	CP7391AT	150	0	1000	30	0
LT56BCAAGL	AE	MR123005	R1	CP7391AT	150	0	500	30	0
LQ48AAAAAL	RA	MR123014	R1	CY8CTMA340-48LQI-01	150	0	1000	30	0
LQ48AAAAAL	RA	MR123014	R1	CY8CTMA340-48LQI-01	150	0	500	30	0
LT56BEAAGL	RA	MR123015	R1	CY8C24794-24LTXI	150	0	500	30	0
LT48CQAAAL	G	NR122001	R1	CYWUSB6934-48LTXC	150	0	1000	90	0
LT48CQAAAL	G	NR122001	R2	CYWUSB6934-48LTXC	150	0	1000	90	0
LT48CQAAAL	G	NR122001	R3	CYWUSB6934-48LTXC	150	0	1000	90	0



LT40BQAAAL	G	122503	R1	CYRF69103-40LTXC	150	0	500	80	0
LT40BQAAAL	G	122503	R1	CYRF69103-40LTXC	150	0	1000	77	0
LQ36AAAAAN	MB	MR113020	R1	CY8CTMA300E-36LQXI	150	0	2000	29	0
LQ36AAAAAN	MB	MR113020	R1	CY8CTMA300E-36LQXI	150	0	3000	26	0
LQ36AAAAAN	MB	MR114015	R1	CY8CTMA340-LQI-01T	150	0	1000	30	0
LQ36AAAAAL	L	MR114031	R1	CP7340ATT	150	0	1000	30	0
LT48AQAAAL	G	MR114071	R1	CY8C20636A-24LTXI	150	0	1000	30	0
LQ32EPDAGL	RA	MR121013	R1	CY8CTMG240-LQI-01	150	0	1000	28	0
LT48DQAAAL	G	MR121056	R1	CY8C28623-24LTXIT	150	0	500	30	0
LT48ABBAAL	MB	MR122032	R1	CP7408AT	150	0	500	30	0
LT88ABAAAL	L	MR122033	R1	CY8CTMA616LTI-13T	150	0	1000	28	0
LT88ABAAAL	L	MR123003	R1	CY8CTMA616LTI-13	150	0	1000	30	0
LT40ABAAAL	G	MR123011	R1	CYRF7936-40LTXC	150	0	500	30	0
LT56BEAAGL	RA	MR123015	R1	CY8C24794-24LTXI	150	0	1000	30	0
LQ32QAAAAL	G	MR123042	R1	CY24292LFXCT	150	0	500	30	0
LQ48AQAAAL	G	MR124012	R1	CY8CTMA340-48LQI-01	150	0	500	30	0
LQ48AQAAAL	G	MR124012	R1	CY8CTMA340-48LQI-01	150	0	1000	30	0
LT56BEAAGL	RA	MR124014	R1	CS6651DAT	150	0	500	30	0
LT56BEAAGL	RA	MR124014	R1	CS6651DAT	150	0	1000	30	0
LT88ABAAAL	L	MR124017	R1	CY8CTMA884LTI-13	150	0	500	30	0



LQ32QAAALC	G	MR124087	R2	CY8CTST242-LQI-01	150	0	1000	100	0
LQ32QAAALC	G	MR124087	R1	CY8CTST242-LQI-01	150	0	1000	100	0
LQ48AQAAALC	G	MR124091	R1	CG7531AMT	150	0	500	80	0
LQ48AQAAALC	G	MR124091	R2	CG7531AMT	150	0	500	80	0
LQ48AQAAALC	G	MR124091	R3	CG7531AMT	150	0	500	80	0
LQ24AQAAALC	G	MR124095	R2	CS7223AA	150	0	500	77	0
LQ24AQAAALC	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
LQ24AQAAALC	G	MR124095	R1	CS7223AA	150	0	500	77	0
LQ32QAAALC	G	MR124087	R3	CY8CTST242-LQI-01	150	0	1000	100	0
LT48AQAAALC	G	MR124094	R2	CY8C20636A-24LTXI	150	0	500	77	0
LT48AQAAALC	G	MR124094	R3	CY8C20636A-24LTXIT	150	0	500	77	0
LT48AQAAALC	G	MR124094	R1	CY8C20636A-24LTXI	150	0	500	77	0
LQ32EPDGLC	RA	MR124093	R1	CY8CTST242-LQI-01T	150	0	1000	45	0
LQ24AQAAALC	G	122602	R3	CYRF8935AK-24LQXC	150	0	500	85	0
LQ24AQAAALC	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
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
LT40ABAAAL	G	MR123011	R1	CYRF7936-40LTXC	150	0	1000	30	0
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
LQ24AAAAALC	RA	MR131083	R1	CS7223AA	150	0	500	45	0
LQ24AAAAALC	RA	MR131083	R3	CS7223AA	150	0	500	45	0
LQ24AAAAALC	RA	MR131083	R2	CS7223AA	150	0	500	45	0
LQ32QAAAAAL	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
LQ48AQAAALC	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
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
LQ48AQAAAL	G	120606	R1	CY8CTMA300E-48LQXI	150	0	2000	95	0
LQ48AQAAAL	G	120606	R2	CY8CTMA300E-48LQXI	150	0	2000	120	0
LQ48AQAAAL	G	120606	R3	CY8CTMA300E-48LQXI	150	0	2000	120	0
LT68YAAAAL	G	122704	R1	CYRF89535-68LTXC	150	0	500	79	0
LT68YAAAAL	G	122704	R1	CYRF89535-68LTXC	150	0	1000	79	0
LQ24AAAALC	RA	124105	R1	CY7C65211-24LTXIES	150	0	1000	79	0



LT68YAAAAL	G	130808	R5	CYRF89535-68LTXC	150	0	500	79	0
LT68YAAAAL	G	130808	R5	CYRF89535-68LTXC	150	0	1000	79	0
LQ48AAAAAL	RA	131701	R6	CY8CTMA300E-48LQXI	150	0	3000	94	0
LQ48AAAAAL	RA	131701	R7	CY8CTMA300E-48LQXI	150	0	3000	104	0
LQ48AAAAAL	RA	131701	R8	CY8CTMA300E-48LQXI	150	0	3000	103	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
LQ48AQAAALC	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
LQ48AAAAALC	RA	MR131094	R1	CY8C20667S-24LQXI	150	0	500	45	0
LQ48AAAAALC	RA	MR131094	R2	CY8C20667-24LQXI	150	0	500	45	0
LQ48AAAAALC	RA	MR131094	R3	CY8C20647S-24LQXI	150	0	500	45	0
LQ48AAAAALC	RA	MR131094	R1	CY8C20667S-24LQXI	150	0	1000	45	0
LQ48AAAAALC	RA	MR131094	R2	CY8C20667-24LQXI	150	0	1000	45	0
LQ48AAAAALC	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
LQ48AQAAALC	G	MR132020	R1	CG7479AM	150	0	500	30	0
LQ48AQAAALC	G	MR132020	R1	CG7479AM	150	0	1000	30	0
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

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

171 records

Sum

8946 0

QFN (Punch Type, Wettable Flank, Pb-Free)

LW56DGAZGL	L	121304	R1	CY8CTMA120-56LWXA	150	0	1000	85	0
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**Summary for Package Family:
QFN (Punch Type, Wettable Flank, Pb-Free)**

1 records

Sum

85 0

DFN , 0.8mm Thickness (Saw Type)

LH08AAALL	MB	MR123046	R1	CY14B101Q2-LHXI	150	0	500	30	0
LH08AAALL	MB	MR123046	R1	CY14B101Q2-LHXI	150	0	1000	30	0
LH08AAALL	MB	MR124022	R1	CY14B101Q2-LHXI	150	0	500	30	0

**Summary for Package Family: QFN
(0.8mm Saw Type, Pb-Free)**

3 records

Sum

90 0



QSOP (Pb-Free)

SQ2414ACGN	JT	MR114029	R1	CY7C63823-QXC	150	0	1000	21	0
SQ2414ACGN	JT	MR121036	R1	CY7C63823-QXC	150	0	500	30	0
SQ2414ACGN	JT	MR123030	R1	CY7C63823-QXC	150	0	500	29	0
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

Summary for Package Family: QSOP (Pb-Free)

6 records

Sum

168 0

SNC (Pb-Free)

SY2831BHN	JT	MR123036	R1	CG7261AT	150	0	1000	30	0
SY2831BHN	JT	MR124037	R1	CY62256NLL-70SNXA	150	0	1000	30	0
SY2831BCLN	JT	MR131020	R1	CY62256NLL-70SNXCT	150	0	500	30	0
SY2831BCLN	JT	MR131020	R1	CY62256NLL-70SNXCT	150	0	1000	30	0
SY2831BHN	JT	MR132025	R1	CG7261ATT	150	0	1000	30	0

Summary for Package Family: SNC (Pb-Free)

5 records

Sum

150 0

SOIC

S1615KDAGN	RA	MR123017	R1	CY2309SC-1H	150	0	500	30	0
S1615KDAGN	RA	MR123017	R1	CY2309SC-1H	150	0	1000	30	0



Summary for Package Family: SOIC

2

records

Sum				60	0
SOIC (Pb Free)					
SZ815PAEGN	RA	MR122018	R1	CY2305SXI-1HT	150 0 1000 30 0
SZ28327BGL	R	MR113017	R1	CY8C21345-24SXI	150 0 1000 30 0
SZ1615FAL	T	MR114019	R1	CY7C63801-SXC	150 0 500 30 0
SZ1615FAL	T	MR114019	R1	CY7C63801-SXC	150 0 1000 30 0
SZ24315EGN	RA	MR114020	R1	CY7C63743C-SXCT	150 0 1000 28 0
SZ1615BKGN	RA	MR121006	R1	CY8C21234-24SXI	150 0 500 30 0
SZ1615BKGN	RA	MR121006	R1	CY8C21234-24SXI	150 0 1000 30 0
SZ32451BLN	JT	MR121010	R1	CY7C53120E2-10SXI	150 0 500 30 0
SZ24315DGN	RA	MR121011	R1	CY7C63823-SXC	150 0 500 30 0
SZ24315DGN	RA	MR121011	R1	CY7C63823-SXC	150 0 1000 30 0
SZ0815TAGN	T	MR121045	R1	CY25422FSXI	150 0 2000 30 0
SZ0815TAGN	T	MR121045	R1	CY25422FSXI	150 0 3000 30 0
SZ1615DGN	M	MR121048	R2	CY8C21234-24SXI	150 0 1000 30 0
SZ324513AN	JT	MR121058	R1	CY62128BNLL-70SXA	150 0 1000 30 0
SZ1615BKGN	RA	MR122001	R1	CY8C21234-24SXI	150 0 1000 30 0
SZ324513AN	JT	MR122012	R1	CY62128BNLL-70SXET	150 0 1000 30 0
SZ32451DLL	JT	MR122039	R1	CY62138FV30LL-45SXI	150 0 1000 30 0



SZ2035BAAL	JT	MR122048	R1	CY8C27243-24SXIT	150	0	500	30	0
SZ2035BAAL	JT	MR122048	R1	CY8C27243-24SXIT	150	0	1000	30	0
SZ183CPBAN	RA	MR123024	R1	CY7C63813-SXC	150	0	500	30	0
SZ183CPBAN	RA	MR123024	R1	CY7C63813-SXC	150	0	1000	30	0
SZ323AEGAS	M	MR113035	R1	CY14B101LA-SZ25XIT	150	0	1000	30	0
SZ323AEGAS	M	MR114024	R1	CY14B101LA-SZ45XIT	150	0	500	30	0
SZ32451BLN	JT	MR121010	R1	CY7C53120E2-10SXI	150	0	1000	30	0
SZ323AEGAS	M	MR121044	R1	CY14E256LA-SZ25XI	150	0	500	30	0
SZ1615FAL	T	MR122044	R1	CY8C20180-SX2I	150	0	500	30	0
SZ32451DLL	JT	MR123019	R1	CY62148ELL-55SXI	150	0	500	30	0
SZ163DAALL	M	MR123047	R1	CY14B101P-SFXIT	150	0	500	29	0
SZ1615FAL	T	MR123049	R1	CY8C20160-SX2IT	150	0	500	30	0
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
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
SZ1615FAL	T	120409	R1	CY2309CSXC-1	150	0	1500	75	0
SZ1615FAL	T	120409	R1	CY2309CSXC-1	150	0	2000	75	0
SZ1615FAL	T	120409	R2	CY8C20160-SX2I	150	0	1500	75	0
SZ0815TAGN	T	120409	R3	CY25402SXC-007	150	0	1500	75	0
SZ0815TAGN	T	120409	R3	CY25402SXC-007	150	0	2000	75	0
SZ815PADGN	RA	121408	R2	CY25402SXC-008	150	0	2000	120	0
SZ815PADGN	RA	121408	R3	CY25402SXC-008	150	0	2000	120	0
SZ815PADGN	RA	121408	R1	CY25402SXC-008	150	0	2000	89	0
SZ1615DGN	M	124706	R1	CY8C21234-24SXI	150	0	1000	107	0
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



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

Summary for Package Family: SOIC (Pb Free)

70 records

Sum

3034 0

SOJ

V243GAAAGN	X	MR113065	R1	CY7C197BN-15VC	150	0	1000	30	0
V2835BGBLN	JT	MR131022	R1	CY7C185-15VIT	150	0	1000	30	0

Summary for Package Family: SOJ

2 records

Sum

60 0



SOJ (Pb-Free)

VZ32314CLL	JT	MR121024	R1	CY7C1009D-10VXI	150	0	500	30	0
VZ32314CLL	JT	MR121024	R1	CY7C1009D-10VXI	150	0	1000	30	0
VZ444ADCLN	JT	MR122038	R1	CY7C1041D-10VXIT	150	0	500	30	0
VZ444ADCLN	JT	MR122038	R1	CY7C1041D-10VXIT	150	0	1000	30	0
VZ28313CLN	JT	MR122050	R1	CY7C1399BN-12VXI	150	0	500	30	0
VZ28313CLN	JT	MR122050	R1	CY7C1399BN-12VXI	150	0	1000	30	0
VZ32314CLL	JT	MR123033	R1	CY7C1018DV33-10VXIT	150	0	500	30	0
VZ2847AAAR	OP	MR114074	R1	CY7C107D-10VXI	150	0	500	30	0
VZ2847AAAR	OP	MR114074	R1	CY7C107D-10VXI	150	0	1000	29	0
VZ32314CLL	JT	MR123033	R1	CY7C1018DV33-10VXIT	150	0	1000	29	0
VZ444ACCLN	JT	MR124002	R1	CY7C1021D-10VXIT	150	0	500	30	0
VZ444ACCLN	JT	MR124002	R1	CY7C1021D-10VXIT	150	0	1000	30	0
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
VZ28314CLN	JT	MR132028	R1	CY7C199D-10VXIT	150	0	500	30	0
VZ28314CLN	JT	MR132028	R1	CY7C199D-10VXIT	150	0	1000	30	0

Summary for Package Family: SOJ (Pb-Free)

17

records

Sum

508

0



SSOP (Pb-Free)

SP483MBBGN	RA	MR114067	R1	CY8C3246PVI-147	150	0	1000	29	0
SP483EBCAL	JT	MR114073	R1	CY8C29666-24PVXIT	150	0	1000	30	0
SP28213GL	T	MR114080	R1	CY8C29466-24PVXI	150	0	1500	30	0
SP28213GL	T	MR114080	R1	CY8C29466-24PVXI	150	0	2000	30	0
SP563DBC GN	JT	MR121016	R1	CY7C68013A-56PVXC	150	0	1000	30	0
SP483FBKGN	RA	MR121019	R1	CY8C20536A-24PVXIT	150	0	500	30	0
SP483FBKGN	RA	MR121019	R1	CY8C20536A-24PVXIT	150	0	1000	30	0
SP2822BGL	M	MR121029	R1	CY8C21534-24PVXAT	150	0	1000	30	0
SP2024CAGL	M	MR121062	R1	CY8C21334-24PVXAT	150	0	1000	30	0
SP483FBKGN	RA	MR122003	R1	CY8C20536A-24PVXIT	150	0	500	30	0
SP483FBKGN	RA	MR122003	R1	CY8C20536A-24PVXIT	150	0	1000	30	0
SP282ABBGN	RA	MR122004	R1	CY8C27443-24PVXIT	150	0	1000	30	0
SP563DBC GN	JT	MR122025	R1	CY7C68013A-56PVXC	150	0	500	30	0
SP483FBKGN	RA	MR123016	R1	CY8C20546A-24PVXIT	150	0	500	30	0
SP28213GL	T	MR114080	R1	CY8C29466-24PVXI	150	0	2500	30	0
SP28213GL	T	MR114080	R1	CY8C29466-24PVXI	150	0	3000	30	0
SP563DBC GN	JT	MR122025	R1	CY7C68013A-56PVXC	150	0	1000	30	0
SP483FBKGN	RA	MR123016	R1	CY8C20546A-24PVXIT	150	0	1000	30	0
SP563DBC GN	JT	MR123029	R1	CY7C68013A-56PVXC	150	0	500	30	0



SP28214GL	T	MR123055	R1	CY8C9520A-24PVXI	150	0	500	30	0
SP28214GL	T	MR123055	R1	CY8C9520A-24PVXI	150	0	1000	30	0
SP28214GL	T	MR124035	R1	CY8C24423A-24PVXI	150	0	500	30	0
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
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	CY8C21334-24PVXIKA	150	0	1000	28	0
SP202ABGNC	RA	MR131093	R1	CY8C21334-24PVXIKA	150	0	1000	17	0
SP202AAGNC	RA	MR131093	R2	CY8C27243-24PVXIKA	150	0	1000	45	0
SP282ABGNC	R	MR131093	R3	CY8C21534-24PVXIKA	150	0	500	45	0
SP282ABGNC	R	MR131093	R3	CY8C21534-24PVXIKA	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
SP483FBBGN	RA	MR132045	R1	CY7C63413C-PVXC	150	0	500	30	0
Summary for Package Family: SSOP (Pb-Free)			42	records					
Sum								1298	0
TQFP (Pb-Free)									
AZ100RUBLN	R	MR113022	R1	CY7C1350G-200AXC	150	0	1500	30	0
AZ100RUBLN	R	MR113022	R1	CY7C1350G-200AXC	150	0	2000	29	0
AZ100SFGAL	JT	MR114068	R1	CY8C3245AXI-158	150	0	500	30	0
AZ100RVLN	JT	MR122007	R1	CY7C68320C-100AXA	150	0	1000	30	0
AZ44SFBHLN	JT	MR122008	R1	CY7C53120E4-40AXI	150	0	1000	30	0
AZ32BXGAN	Q	MR122024	R1	CY7C4201V-15AXC	150	0	1000	30	0
AZ128BGAL	G	MR122030	R1	CY7C64713-128AXC	150	0	500	30	0
AZ128BGAL	G	MR122030	R1	CY7C64713-128AXC	150	0	1000	30	0
AZ64JAAALL	M	MR123004	R1	CY7C144E-15AXC	150	0	500	30	0
AZ64JAAALL	M	MR123004	R1	CY7C144E-15AXC	150	0	1000	30	0
AZ100RUBLN	R	MR113022	R1	CY7C1350G-200AXC	150	0	2500	29	0
AZ100RUBLN	R	MR113022	R1	CY7C1350G-200AXC	150	0	3000	29	0
AZ32GXGAN	G	MR114034	R1	CY29942AXCT	150	0	1000	30	0
AZ100SFGAL	JT	MR114068	R1	CY8C3245AXI-158	150	0	1000	30	0



AZ52AAGAL	Q	MR121039	R1	CY29972AXI	150	0	500	30	0
AZ100SFEAL	JT	MR123035	R1	CP7529AT	150	0	1000	23	0
AZ100KGAN	G	MR123041	R1	CY7C024AV-25AXC	150	0	500	30	0
AZ100KGAN	G	MR123041	R1	CY7C024AV-25AXC	150	0	1000	30	0
AZ100SFELL	R	MR123054	R1	CY8C3245AXI-158	150	0	500	30	0
AZ100SFELL	R	MR123054	R1	CY8C3245AXI-158	150	0	1000	30	0
AZ64JAAALL	M	MR124007	R1	CY7C144E-55AXC	150	0	500	30	0
AZ64JAAALL	M	MR124007	R1	CY7C144E-55AXC	150	0	1000	30	0
AZ100RJBLN	R	MR124034	R1	CY7C1350G-200AXCT	150	0	500	30	0
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

Summary for Package Family: TQFP (Pb-Free)

30

records

Sum

890 0



TSOP (Pb-free)

ZT28R2BCLN	JT	MR114004	R1	CY62256VNLL-70ZXI	150	0	1000	27	0
ZT32RBBALL	T	MR114065	R1	CY62128ELL-45ZXA	150	0	1000	30	0
ZT32RBBALL	T	MR121034	R1	CY62128ELL-45ZXA	150	0	1000	30	0
ZT32RABALL	T	MR122042	R1	CY62128EV30LL-45ZXIT	150	0	500	30	0
ZT32RAEDLN	RA	MR123031	R1	CY62128EV30LL-45ZXI	150	0	500	30	0
ZT28R2ABGN	JT	MR121061	R1	CY62256NLL-55ZXAT	150	0	1000	30	0
ZT28R2ABGN	JT	MR122035	R1	CY7C62256NLL-55ZXA	150	0	1000	30	0
ZT32RABALL	T	MR122042	R1	CY62128EV30LL-45ZXIT	150	0	1000	30	0
ZT28R2ABGN	JT	MR123009	R1	CY62256NLL-55ZXAT	150	0	1000	30	0
ZT32RAEDLN	RA	MR123031	R1	CY62128EV30LL-45ZXI	150	0	1000	30	0
ZT32RAEDLN	RA	MR124003	R1	CY62128EV30LL-45ZXIT	150	0	500	30	0
ZT32RAEDLN	RA	MR124003	R1	CY62128EV30LL-45ZXIT	150	0	1000	30	0
ZT28R2ABGN	JT	MR124039	R1	CY62256NLL-55ZXAT	150	0	1000	30	0
ZT32RAEDLN	RA	MR131041	R1	CY62128ELL-45ZXIT	150	0	500	30	0
ZT48AJAALR	T	120406	R2	CY62167DV30LL-55ZXI	150	0	2000	75	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 for Package Family: TSOP (Pb-free)

22 records

Sum

702 0

TSOP I (Pb-Free)

ZB32RHABLN	JT	MR122021	R1	CY62138FV30LL-45ZAXA	150	0	1000	30	0
ZB32RHABLN	JT	MR123001	R1	CY62138FV30LL-45ZAXAT	150	0	1000	30	0
ZB32RHBLN	JT	MR131025	R1	CY62148ESL-55ZAXAT	150	0	1000	30	0
ZB32RHCALN	JT	MR132033	R1	CY62128EV30LL-45ZAXIT	150	0	500	30	0
ZB32RHCALN	JT	MR132033	R1	CY62128EV30LL-45ZAXIT	150	0	1000	30	0

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

5 records

Sum

150 0

TSOP II (Pb-Free)

ZW324CBLL	T	MR113004	R1	CY62148ELL-45ZSXIT	150	0	1000	30	0
ZW444YBLL	R	MR113006	R1	CY7C1041BN-15ZXIT	150	0	2000	30	0
ZW444YBLL	R	MR113006	R1	CY7C1041BN-15ZXIT	150	0	1500	30	0
ZW444AHLL	R	MR114007	R1	CY62126EV30LL-55ZSXE	150	0	1000	30	0
ZW444ABXAGL	RA	MR114027	R1	CY62137EV30LL-45ZSXI	150	0	1000	30	0
ZW444ALLR	G	MR114043	R1	CY7C1051DV33-10ZSXI	150	0	1000	30	0



ZW324CBALR	T	MR114057	R1	CY62148EV30LL-45ZSXAT	150	0	1000	30	0
ZW444AHILL	JT	MR114069	R1	CY62126EV30LL-45XAKJ	150	0	500	30	0
ZW444AHILL	JT	MR114069	R1	CY62126EV30LL-45XAKJ	150	0	1000	30	0
ZW44AAXAGL	RA	MR121003	R1	CY7C1021D-10ZSXIT	150	0	1000	30	0
ZW44AAXAGL	RA	MR121003	R1	CY7C1021D-10ZSXIT	150	0	500	30	0
ZW44ADXAGL	RA	MR121018	R1	CY14B104NA-ZS45XIT	150	0	1000	30	0
ZW44ADXAGL	RA	MR121018	R1	CY14B104NA-ZS45XIT	150	0	500	30	0
ZW544AALL	G	MR121022	R1	CY7C1069AV33-10ZXCT	150	0	1000	30	0
ZW544AALL	G	MR121022	R1	CY7C1069AV33-10ZXCT	150	0	500	30	0
ZW324FBGL	T	MR121026	R1	CY7C1019CV33-10ZXA	150	0	1000	30	0
ZW444AIDLL	JT	MR121037	R1	CY62126EV30LL-45XIKJ	150	0	1000	30	0
ZW444AIDLL	JT	MR121037	R1	CY62126EV30LL-45XIKJ	150	0	500	30	0
ZW54BGALL	G	MR122040	R1	CY7C1069DV33-10ZSXI	150	0	1000	30	0
ZW54BGALL	G	MR122040	R1	CY7C1069DV33-10ZSXI	150	0	500	30	0
ZW44AXXAGL	RA	MR122041	R1	CY14B101LA-ZS45XI	150	0	1000	30	0
ZW44AXXAGL	RA	MR122041	R1	CY14B101LA-ZS45XI	150	0	500	30	0
ZW544AALL	G	MR123028	R1	CY7C1069AV33-10ZXC	150	0	500	30	0
ZW444ALLR	G	MR123045	R1	CY7C1051DV33-12ZSXIT	150	0	500	30	0
ZW44AXXAGL	RA	122302	R1	CY14B101NA-ZS45XI	150	0	500	80	0
ZW44AXXAGL	RA	122302	R1	CY14B101NA-ZS45XI	150	0	1000	80	0



ZW444YBLL	R	MR113006	R1	CY7C1041BN-15ZXIT	150	0	2500	30	0
ZW444YBLL	R	MR113006	R1	CY7C1041BN-15ZXIT	150	0	3000	30	0
ZW324CBALR	T	MR114005	R1	CY62148EV30LL-45ZSXAT	150	0	1000	30	0
ZW444VDLL	JT	MR121057	R1	CY62147EV30LL-45XAKJ	150	0	1000	29	0
ZW444RACLN	JT	MR122013	R1	CY62137VNLL-70ZSXA	150	0	1000	30	0
ZW324FBGL	T	MR122036	R1	CY7C1019CV33-10ZXA	150	0	1000	30	0
ZW444AOLN	JT	MR123002	R1	CY62146ELL-45ZSXA	150	0	1000	30	0
ZW324FBGL	T	MR123010	R1	CY7C1019CV33-10ZXAT	150	0	1000	30	0
ZW444XXAGL	RA	MR123026	R1	CY14B101LA-ZS45XIT	150	0	500	27	0
ZW444XXAGL	RA	MR123026	R1	CY14B101LA-ZS45XIT	150	0	1000	27	0
ZW544AALL	G	MR123028	R1	CY7C1069AV33-10ZXC	150	0	1000	30	0
ZW444ALLR	G	MR123045	R1	CY7C1051DV33-12ZSXIT	150	0	1000	30	0
ZW444ABXAGL	RA	MR124004	R1	CY62146ESL-45ZSXI	150	0	500	30	0
ZW444ABXAGL	RA	MR124004	R1	CY62146ESL-45ZSXI	150	0	1000	30	0
ZW544AALL	G	MR124006	R1	CY7C1061AV33-10ZXI	150	0	500	29	0
ZW544AALL	G	MR124006	R1	CY7C1061AV33-10ZXI	150	0	1000	29	0
ZW444ALLR	G	MR124042	R1	CY7C1051DV33-10ZSXI	150	0	500	30	0
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
ZW444AAGLL	T	120406	R3	CY7C1041D-10ZSXI	150	0	1500	75	0
ZW444AAGLL	T	120406	R3	CY7C1041D-10ZSXI	150	0	2000	75	0
ZW44AXXAGL	RA	121406	R1	CY14B101LA-ZS45XI	150	0	2000	95	0
ZW44AXXAGL	RA	121406	R2	CY14B101LA-ZS45XI	150	0	2000	115	0
ZW44AXXAGL	RA	121406	R3	CY14B101LA-ZS45XI	150	0	2000	115	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



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
Summary for Package Family: TSOP II (Pb-Free)			69	records					
Sum								2573	0
TSSOP									
Z2412XAGB	M	122204	R3	W232-10X	150	0	500	117	0
Z2412XAGB	M	122204	R3	W232-10X	150	0	1000	103	0
Summary for Package Family: TSSOP			2	records					
Sum								220	0
TSSOP (Pb-Free)									
ZZ2014BGN	T	MR122014	R1	CY25404ZXI013T	150	0	1000	30	0
ZZ1620GBAGN	RA	MR122015	R1	CY2309ZC-1HT	150	0	1000	30	0
ZZ1620GCAN	RA	MR122019	R1	CY2309ZXC-1HT	150	0	1000	30	0
ZZ1620GBAN	RA	MR123018	R1	CY22150FZXCT	150	0	500	29	0
ZZ2014BGN	T	MR123021	R1	CY25404ZXI217T	150	0	500	30	0
ZZ1620GBAN	RA	MR123018	R1	CY22150FZXCT	150	0	1000	29	0
ZZ2014BGN	T	MR123021	R1	CY25404ZXI217T	150	0	1000	30	0
ZZ1620GBAN	RA	MR124001	R1	CY22393FXCT	150	0	500	29	0
ZZ1620GBAN	RA	MR124001	R1	CY22393FXCT	150	0	1000	29	0



ZZ2014BGN	T	MR124005	R1	CY25404ZXI011T	150	0	500	30	0
ZZ2014BGN	T	MR124005	R1	CY25404ZXI011T	150	0	1000	30	0
ZZ0812BGLC	T	MR131089	R1	CY2304NZZXI-1KO	150	0	500	77	0
ZZ0811XAGN	M	122204	R2	CY2DP1502ZXC	150	0	500	120	0
ZZ0811XAGN	M	122204	R1	CY2DP1502ZXC	150	0	500	117	0
ZZ0811XAGN	M	122204	R2	CY2DP1502ZXC	150	0	1000	120	0
ZZ0811XAGN	M	122204	R1	CY2DP1502ZXC	150	0	1000	104	0
ZZ1614HAN	T	120605	R1	CY22388ZXC-24	165	0	1500	74	0
ZZ2014BGN	T	120605	R2	CY25404ZXI-003	165	0	1500	75	0
ZZ2411BGN	T	120605	R3	CY2510ZXC-1	150	0	1500	75	0
ZZ1620GCAN	RA	124204	R1	CY2309SXI-1H	150	0	500	117	0
ZZ1620GCAN	RA	124204	R1	CY2309SXI-1H	150	0	1000	112	0
ZZ1620GBAN	RA	124204	R2	CY22388KZXC-16A	150	0	500	117	0
ZZ1620GBAN	RA	124204	R2	CY22388KZXC-16A	150	0	1000	112	0
ZZ2817ABGL	RA	124204	R3	CY24272ZXC	150	0	500	117	0
ZZ2817ABGL	RA	124204	R3	CY24272ZXC	150	0	1000	112	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
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

Summary for Package Family: TSSOP (Pb-Free)

36 records

Sum

2179 0

VFBGA (0.75-0.8, 0.3mm)

BV48DAAALE	RA	MR114010	R1	CY62137FV30LL-45BVIT	150	0	1000	30	0
BV48ATALE	RA	MR114066	R1	CY62157DV30LL-55BVIT	150	0	1000	28	0
BV48CFAALE	G	MR114078	R1	CY62157EV30LL-45BVIT	150	0	1000	30	0
BV48CRALE	G	MR123032	R1	CY62167EV30LL-45BVIT	150	0	500	30	0
BV48CLALE	G	MR124055	R1	CY7C1041DV33-10BVIT	150	0	500	30	0
BV48CRALE	G	MR123032	R1	CY62167EV30LL-45BVIT	150	0	1000	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

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

9 records

Sum

268 0

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

BZ48CJALL	RA	120610	R3	CY62167DV30LL-55BVXI	150	0	2000	89	0
BZ48DAGLL	RA	MR121004	R1	CY62137FV30LL-45BVXIT	150	0	1000	30	0
BZ48CEAALL	G	MR121025	R1	CY62147EV30LL-45BVXA	150	0	1000	30	0
BZ48CEAALL	G	MR121050	R1	CY62136EV30LL-45BVXI	150	0	1000	30	0
BZ48CEAALL	G	MR122011	R1	CY62147EV30LL-45BVXA	150	0	1000	30	0
BZ56BGALL	RA	MR122045	R1	CY7C68013A-56BAXC	150	0	500	30	0
BZ56BGALL	RA	MR122045	R1	CY7C68013A-56BAXC	150	0	1000	30	0
BZ48DAGLL	RA	MR122046	R1	CY62137FV30LL-45BVXI	150	0	500	30	0
BZ48DAGLL	RA	MR122046	R1	CY62137FV30LL-45BVXI	150	0	1000	30	0
BZ56GABGL	RA	MR123022	R1	CY7C68053-56BAXI	150	0	500	30	0
BZ84ACAAAL	G	NR122002	R1	CY8CTMA1036BZI-12	150	0	500	25	0
BZ84ACAAAL	G	NR122002	R1	CY8CTMA1036BZI-12	150	0	1000	25	0
BZ84ACAAAL	G	NR122002	R2	CY8CTMA1036BZI-12	150	0	500	25	0
BZ84ACAAAL	G	NR122002	R2	CY8CTMA1036BZI-12	150	0	1000	25	0
BZ84ACAAAL	G	NR122002	R3	CY8CTMA1036BZI-12	150	0	500	25	0



BZ84ACAAAL	G	NR122002	R3	CY8CTMA1036BZI-12	150	0	1000	25	0
BZ84AAAAAL	RA	NR122004	R1	CY8CTMA1036BZI-12	150	0	500	25	0
BZ84AAAAAL	RA	NR122004	R1	CY8CTMA1036BZI-12	150	0	1000	25	0
BZ84AAAAAL	RA	NR122004	R2	CY8CTMA1036BZI-12	150	0	500	25	0
BZ84AAAAAL	RA	NR122004	R2	CY8CTMA1036BZI-12	150	0	1000	25	0
BZ84AAAAAL	RA	NR122004	R3	CY8CTMA1036BZI-12	150	0	500	21	0
BZ84AAAAAL	RA	NR122004	R3	CY8CTMA1036BZI-12	150	0	1000	21	0
BZ56GABGL	RA	MR123022	R1	CY7C68053-56BAXI	150	0	1000	30	0
BZ48CEAALL	G	MR123034	R1	CY62147EV30LL-45BVXA	150	0	1000	30	0
BZ48CEAALL	G	MR124028	R1	CY62147EV30LL-45BVXA	150	0	1000	28	0
BZ48CWALL	G	MR124045	R1	CY7C1061DV33-10BVXIT	150	0	500	30	0
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



BZ48ZEAALE	RA	MR132016	R1	CY62157EV30LL-45BVXIT	150	0	500	30	0
BZ48ZEAALE	RA	MR132016	R1	CY62157EV30LL-45BVXIT	150	0	1000	30	0
BZ48CLAALL	G	MR132011	R1	CY7C1041DV33-10BVXI	150	0	500	30	0
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

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

46

records

Sum

1714 0

PBGA (Pb-Free)

BY119SALL	G	MR124018	R1	CY7C1354C-200BGXC	150	0	500	30	0
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
Summary for Package Family: PBGA (Pb-Free)			6	records					
Sum								180	0



Summary Detail -- PCT Performance Over Time

BUILDKIT	ASSY SITE	EVALNUM	TV	DEVICE	TEMP	VOLT	READOUT	SS	REJECT	FA	COMMENTS	
UFBGA (Pb-free)												
BU84ABAAAL	AC	123603	R1	CY8CTMA1036BUI-33ES2	121	0	168	85	0			
BU84ABAAAL	AC	123603	R1	CY8CTMA1036BUI-33ES2	121	0	288	78	0			
BU84ABAAAL	AC	123603	R2	CY8CTMA1036BUI-33ES2	121	0	168	84	0			
BU84ABAAAL	AC	123603	R2	CY8CTMA1036BUI-33ES2	121	0	288	79	0			
BU84ABAAAL	AC	123603	R3	CY8CTMA1036BUI-33ES2	121	0	168	85	0			
BU84ABAAAL	AC	123603	R3	CY8CTMA1036BUI-33ES2	121	0	288	78	0			
BU84AAAAAL	G	123605	R1	CY8CTMA1036BUI-33ES2	121	0	168	73	0			
BU84AAAAAL	G	123605	R1	CY8CTMA1036BUI-33ES2	121	0	288	66	0			
BU84AAAAAL	G	123605	R2	CY8CTMA1036BUI-33ES2	121	0	168	77	0			
BU84AAAAAL	G	123605	R2	CY8CTMA1036BUI-33ES2	121	0	288	69	0			
BU84AAAAAL	G	123605	R3	CY8CTMA1036BUI-33ES2	121	0	168	82	0			
BU84AAAAAL	G	123605	R3	CY8CTMA1036BUI-33ES2	121	0	288	77	0			
BU84AAAAAL	G	MR132005	R1	CY8CTMA1036BUI-33T	121	0	168	30	0			
BU84AAAAAL	G	MR132005	R1	CY8CTMA1036BUI-33T	121	0	288	30	0			
Summary for Package Family: UFBGA (Pb-free)			14	records								
Sum								993	0			



FBGA (0.75-0.8, 0.3mm)

BA48ZGALE	G	MR121027	R1	CY7C1021BNV33L-15BAI	121	0	288	26	0
BA48ZGALE	G	MR122034	R1	CY7C1021BNV33L-15BAI	121	0	288	30	0
BA48ZGALE	G	MR122034	R1	CY7C1021BNV33L-15BAI	121	0	168	30	0
BA48ZGALE	G	MR123044	R1	CY7C1021BNV33L-15BAIT	121	0	168	30	0
BA48ZGALE	G	MR123044	R1	CY7C1021BNV33L-15BAIT	121	0	288	30	0
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)**

8 records

Sum

236 0

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

BK121AGAGL	RA	MR114079	R1	CYWB0220ABS-BZXI	121	0	288	22	0
BK48CDGLL	G	MR114070	R1	CY7C1041CV33-10BAXA	121	0	168	30	0
BK48CDGLL	G	MR114070	R1	CY7C1041CV33-10BAXA	121	0	96	30	0
BK48DJALL	G	MR121049	R1	CY62177DV30LL-55BAXI	121	0	288	27	0
BK48DJALL	G	MR121049	R1	CY62177DV30LL-55BAXI	121	0	168	27	0
BK48DJALL	G	MR122051	R1	CY62177DV30LL-55BAXI	121	0	168	26	0
BK48DJALL	G	MR122051	R1	CY62177DV30LL-55BAXI	121	0	288	26	0
BK48DJALL	G	MR123043	R1	CY62177DV30LL-55BAXI	121	0	168	30	0



BK121AGAGL	RA	MR123025	R1	CYWB0224ABS-BZXI	121	0	8H	30	0		
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		
BK48CDGLL	G	122001	R1	7A134101F	121	0	96	99	0		
BK48CDGLL	G	122001	R1	7A134101F	121	0	168	87	0		
BK48CDGLL	G	122001	R2	7A134101F	121	0	96	97	0		
BK48CDGLL	G	122001	R2	7A134101F	121	0	168	87	0		



BK48CDGLL	G	122001	R3	7A134101F	121	0	96	100	0
BK48CDGLL	G	122001	R3	7A134101F	121	0	168	90	0

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

30 records

Sum

1334 2

FBGA (1.0-1.27)

BB165RNALE	RA	MR122017	R1	CY7C1312KV18-250BZC	121	0	288	30	0
BB165BUALE	G	MR122029	R1	CY7C1512KV18-250BZC	121	0	288	28	0
BB165RNALE	RA	MR123038	R1	CY7C1313KV18-250BZC	121	0	168	30	0
BB165RNALE	RA	MR123038	R1	CY7C1313KV18-250BZC	121	0	288	30	0
BB165RNALE	RA	MR124010	R1	CY7C1313KV18-250BZC	121	0	168	30	0
BB165RNALE	RA	MR124010	R1	CY7C1313KV18-250BZC	121	0	288	30	0
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

Summary for Package Family: FBGA (1.0-1.27)

14 records

Sum

512 0

FBGA (1.0-1.27, Pb-free)

BW100EAGL	G	MR123012	R1	CYP15G0101DXB-BBXC	121	0	168	30	0
BW165RNALL	RA	MR123039	R1	CY7C1312KV18-250BZXC	121	0	168	30	0
BW100EAGL	G	MR123012	R1	CYP15G0101DXB-BBXC	121	0	288	27	0
BW165RNALL	RA	MR123039	R1	CY7C1312KV18-250BZXC	121	0	288	30	0
BW165RNALL	RA	MR124011	R1	CY7C1312KV18-250BZXI	121	0	168	30	0
BW165RNALL	RA	MR124011	R1	CY7C1312KV18-250BZXI	121	0	288	30	0
BW100EAGL	G	MR124025	R1	CYP15G0101DXB-BBXI	121	0	168	30	0
BW100EAGL	G	MR124025	R1	CYP15G0101DXB-BBXI	121	0	288	29	0
BW165CEALL	G	124106	R1A	CY7C1414KV18-250BZXC	121	0	168	75	0
BW165CEALL	G	124106	R1A	CY7C1414KV18-250BZXC	121	0	288	74	0
BW165CEALL	G	124106	R2A	CY7C1414KV18-250BZXC	121	0	168	70	0
BW165CEALL	G	124106	R2A	CY7C1414KV18-250BZXC	121	0	288	70	0
BW165CEALL	G	124106	R3A	CY7C1414KV18-250BZXC	121	0	168	75	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
BW165RNLLC	RA	MR131084	R2	CY7C1148KV18-400BZXC	121	0	168	45	0
BW165RNLLC	RA	MR131084	R3	CY7C1148KV18-400BZXC	121	0	168	45	0
BW209GAAL	G	121905	R1	7C4S1444AO-**GBWI	121	0	168	74	0
BW209GAAL	G	121905	R1	7C4S1444AO-**GBWI	121	0	288	58	0
BW165RJALL	RA	125005	R1A	CY7C1414KV18-250BZXC	30	0	168	78	0
BW165RJALL	RA	125005	R2A	CY7C1414KV18-250BZXC	30	0	168	78	0
BW165RJALL	RA	125005	R3A	CY7C1414KV18-250BZXC	30	0	168	79	0
BW165RJALL	RA	125005	R2A	CY7C1414KV18-250BZXC	30	0	288	78	0
BW165RJALL	RA	125005	R1A	CY7C1414KV18-250BZXC	30	0	288	78	0
BW165RJALL	RA	125005	R3A	CY7C1414KV18-250BZXC	30	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
Summary for Package Family: FBGA (1.0-1.27, Pb-free)			35	records					
Sum								1867	0

FLIPCHIP CSP (Pb-Free)

FN49ABDRCD	DT	MR122049	R1	CG7524AMT	121	0	168	30	0
FN49ABDRCD	DT	MR122049	R1	CG7524AMT	121	0	288	30	0
FN49ABAAAL	AU	MR131037	R1	CP7457ATT	121	0	168	30	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
Summary for Package Family: FLIPCHIP CSP (Pb-Free)			6	records					
Sum								168	0

PDIP

P2434XAAGB	X	MR122037	R1	CY7C194BN-15PC	121	0	288	30	0
Sum			1				30	0	

PDIP (Pb-Free)

PZ283AAAGN	X	MR122047	R1	CY8C27443-24PXI	121	0	288	30	0
PZ286EAAGN	X	MR123020	R1	CY62256NLL-70PXC	121	0	168	30	0
PZ286EAAGN	X	MR123020	R1	CY62256NLL-70PXC	121	0	288	30	0



PZ183DPDGN	RA	MR123023	R1	CY7C63723C-PXC	121	0	168	30	0
PZ183DPDGN	RA	MR123023	R1	CY7C63723C-PXC	121	0	288	30	0
PZ183DPBGN	RA	MR124052	R1	CY7C63813-PXC	121	0	168	30	0
PZ183DPDGN	RA	124708	R1	CY7C63723C-PXC	121	0	288	95	0
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
PZ283CGGAS	M	122903	R1	CY7C199CN-15PXC	121	0	168	110	0
PZ283CGGAS	M	122903	R2	CY7C199CN-15PXC	121	0	168	120	0
PZ286VFRAR	M	122903	R3	CY62256NLL-70PXC	121	0	168	120	0
PZ286VFRAR	M	122903	R4	CY62256NLL-70PXC	121	0	168	120	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
Sum			26					1471	0

PLCC (Pb-Free)

JZ52SFGAN	M	MR123051	R1	CY7C131-25JXCT	121	0	168	30	0
JZ52SFGAN	M	MR123051	R1	CY7C131-25JXCT	121	0	288	30	0
JZ52SFGAN	M	MR124008	R1	CY7C146-55JXC	121	0	168	30	0
JZ52SFGAN	M	MR124008	R1	CY7C146-55JXC	121	0	288	30	0
JZ28SBGAN	M	125107	R1	CY7B933-JXC	121	0	168	117	0
JZ28SBGAN	M	125107	R2	CY7B933-JXC	121	0	168	117	0
JZ28SBGAN	M	125107	R3	CY7B933-JXC	121	0	168	117	0
JZ28SBGAN	M	125107	R3	CY7B933-JXC	121	0	288	107	0
JZ32RBGAN	M	MR132007	R1	CY7B991V-5JXIT	121	0	168	30	0

Summary for Package Family: PLCC (Pb-Free) 9 records

Sum								608	0
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PQFP (Pb-free)

NZ52DXGAN	G	MR122023	R1	CY7C131-55NXC	121	0	168	30	0
NZ52DXGAN	G	MR123027	R1	CY7C131-55NXC	121	0	168	30	0
NZ52DXGAN	G	MR122023	R1	CY7C131-55NXC	121	0	288	30	0



NZ52DXGAN	G	MR123027	R1	CY7C131-55NXC	121	0	288	30	0
NZ52EAALL	M	MR123052	R1	CY7C131E-55NXC	121	0	168	30	0
NZ52EAALL	M	MR123052	R1	CY7C131E-55NXC	121	0	288	30	0
NZ52EAALL	M	MR124009	R1	CY7C131E-55NXC	121	0	168	30	0
NZ52EAALL	M	MR124009	R1	CY7C131E-55NXC	121	0	288	30	0
NZ52DXGAN	G	MR124032	R1	CY7C136-55NXCT	121	0	168	30	0

Summary for Package Family: PQFP (Pb-free)

9 records

Sum

270 0

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

LG16AEAAAL	MB	MR114063	R1	CY8C20234-12LKXAT	121	0	168	30	0
LG16AEAAAL	MB	MR114063	R1	CY8C20234-12LKXAT	121	0	96	30	0
LG16AQAAAL	G	MR122031	R1	CY7C64315-16LKXCT	121	0	288	30	0
LG16AQAAAL	G	MR123013	R1	CG7601AAT	121	0	168	30	0
LG16AQAAAL	G	MR123013	R1	CG7601AAT	121	0	288	30	0
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
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	288	28	0

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

16 records

Sum 473 0

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

LK32AABAGL	L	MR114033	R2	CG7361AMT	121	0	288	30	0
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**Summary for Package Family: QFN
(0.6mm, Punch Type, Pb-Free)**

1 records

Sum 30 0

QFN (Punch Type, Pb-Free)

LY56AGAGL	L	MR123008	R1	CY7C65630-56LFXAT	121	0	96	30	0
LY56AGAGL	L	MR123008	R1	CY7C65630-56LFXAT	121	0	168	30	0
LY56DGAGL	L	MR124029	R1	CY8CTMA120-56LFXAT	121	0	96	30	0
LY56DGAGL	L	MR124029	R1	CY8CTMA120-56LFXAT	121	0	168	30	0
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

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

8 records

Sum 240 0

QFN (Saw Type, Pb-Free)

LT40ABAAAL	G	111812	R1	CYRF6936B-40LTXC	121	0	400	77	0
LT32BBAAAL	G	111812	R2	CY7C60323-LTXC	121	0	400	80	0
LT68YAAAAL	G	111816	R2	CY8CLED04-68LTXI	121	0	400	79	0
LQ56AQAAAAL	G	112105	R1	CY8C24794-24LQXI	121	0	400	80	0
LT40ABAAAL	G	114904	R1	CYRF6986-40LTXC	121	0	288	110	0
LT40ABAAAL	G	114904	R2	CYRF6986-40LTXC	121	0	288	120	0
LT40ABAAAL	G	114904	R3	CYRF6986-40LTXC	121	0	288	120	0
LT48DQAAAAL	G	114905	R3	CY8C3866LTI-068	121	0	288	110	0
LT68YAAAAL	G	114906	R2	CY8C3866LTI-030	121	0	288	110	0
LT68YAAAAL	G	114906	R3	CY8C3866LTI-030	121	0	288	110	0
LQ32QAAAAL	G	123701	R2	CY8C20436A-24LQXI	121	0	168	97	0
LQ36AAAAAN	MB	MR114015	R1	CY8CTMA340-LQI-01T	121	0	288	30	0
LQ36AAAAAL	L	MR114031	R2	CP7340ATT	121	0	288	30	0
LQ48AQAAAAL	G	MR121005	R1	CY8CTMA340-48LQI-01T	121	0	288	30	0



LQ32EPDAGL	RA	MR121013	R1	CY8CTMG240-LQI-01	121	0	288	30	0
LT32BAABGL	RA	MR122002	R1	CY8C21434-24LTXIT	121	0	288	30	0
LT32BAABGL	RA	MR122002	R1	CY8C21434-24LTXIT	121	0	168	30	0
LQ32QAAAAAL	G	MR122028	R1	CY8C20446A-24LQXI	121	0	288	30	0
LT88ABAAAAL	L	MR122033	R1	CY8CTMA616LTI-13T	121	0	168	30	0
LT88ABAAAAL	L	MR123003	R1	CY8CTMA616LTI-13	121	0	168	30	0
LT56BCAAGL	AE	MR123005	R1	CP7391AT	121	0	288	30	0
LT56BCAAGL	AE	MR123005	R1	CP7391AT	121	0	168	30	0
LQ48AAAAAL	RA	MR123014	R1	CY8CTMA340-48LQI-01	121	0	288	30	0
LQ48AAAAAL	RA	MR123014	R1	CY8CTMA340-48LQI-01	121	0	168	30	0
LT56BEAAGL	RA	MR123015	R1	CY8C24794-24LTXI	121	0	168	30	0
LT68ADAAGL	RA	MR114046	R2	CY8C5568LTI-114	121	0	176	29	0
LT48DQAAAAL	G	MR121056	R1	CY8C28623-24LTXIT	121	0	168	30	0
LT88ABAAAAL	L	MR123003	R1	CY8CTMA616LTI-13	121	0	288	30	0
LT56BEAAGL	RA	MR123015	R1	CY8C24794-24LTXI	121	0	288	30	0
LQ48AQAAAAL	G	MR124012	R1	CY8CTMA340-48LQI-01	121	0	168	30	0
LQ48AQAAAAL	G	MR124012	R1	CY8CTMA340-48LQI-01	121	0	288	30	0
LT56BEAAGL	RA	MR124014	R1	CS6651DAT	121	0	168	30	0
LT56BEAAGL	RA	MR124014	R1	CS6651DAT	121	0	288	30	0
LQ56AQAAAAL	G	120607	R1	CY8C24794-24LQXI	121	0	288H	106	0



LQ56AQAAAL	G	120607	R3	CY8C24794-24LQXI	121	0	288H	106	0
LQ56AQAAAL	G	120607	R2	CY8C24794-24LQXI	121	0	288H	106	0
LQ24AQAAALC	G	122602	R1	CYRF8935AK-24LQXC	121	0	168	85	0
LQ24AQAAALC	G	122602	R1	CYRF8935AK-24LQXC	121	0	288	85	0
LQ24AQAAALC	G	122602	R2	CYRF8935AK-24LQXC	121	0	168	85	0
LQ24AQAAALC	G	122602	R2	CYRF8935AK-24LQXC	121	0	288	85	0
LQ24AQAAALC	G	122602	R3	CYRF8935AK-24LQXC	121	0	168	85	0
LQ24AQAAALC	G	122602	R3	CYRF8935AK-24LQXC	121	0	288	85	0
LQ48AAAAAL	RA	120907	R1	CY8CTMA340-48LQI-01	121	0	288	77	0
LQ32EPDAGL	RA	120907	R2	CY8C20446A-24LQXIT	121	0	168	77	0
LQ32EPDAGL	RA	120907	R2	CY8C20446A-24LQXIT	121	0	288	77	0
LT32BABGLC	RA	123803	R3	CY7C65215-32LTXIES	121	0	168	78	0
LT68YAAAAAL	G	124507	R8	CYRF89535-68LTXCES	121	0	168	79	0
LT68YAAAAAL	G	124507	R8	CYRF89535-68LTXCES	121	0	288	79	0
LT40BQAAAL	G	124507	R9	CYRF89235-40LTXCES	121	0	168	79	0
LT40BQAAAL	G	124507	R9	CYRF89235-40LTXCES	121	0	288	79	0
LT68YAAAAAL	G	124707	R8	CYRF89535-68LTXCES	121	0	168	79	0
LT68YAAAAAL	G	124707	R8	CYRF89535-68LTXCES	121	0	288	79	0
LT40BQAAAL	G	124707	R9	CYRF89235-40LTXCES	121	0	168	79	0
LT40BQAAAL	G	124707	R9	CYRF89235-40LTXCES	121	0	288	79	0



LT68GAAAAAL	G	130903	R1	CY8C5568LTI-114	121	0	168	80	0
LT68GAAAAAL	G	130903	R1	CY8C5568LTI-114	121	0	288	80	0
LT68GAAAAAL	G	130903	R2	CY8C5568LTI-114	121	0	168	80	0
LT68GAAAAAL	G	130903	R2	CY8C5568LTI-114	121	0	288	80	0
LT68GAAAAAL	G	130903	R3	CY8C5568LTI-114	121	0	168	80	0
LT68GAAAAAL	G	130903	R3	CY8C5568LTI-114	121	0	288	80	0
LT68ADAAGL	RA	MR114046	R2	CY8C5568LTI-114	121	0	288	29	0
LT48ABBAAL	MB	MR122032	R1	CP7408AT	121	0	8H	30	0
LT40ABAAAL	G	MR123011	R1	CYRF7936-40LTXC	121	0	8H	30	0
LT48AQAAAL	G	MR124015	R1	CY8CTMG201A-48LTXI	121	0	8H	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
LT48AQAAALC	G	MR124094	R1	CY8C20636A-24LTXI	121	0	168	77	0
LT48AQAAALC	G	MR124094	R2	CY8C20636A-24LTXI	121	0	168	77	0
LT48AQAAALC	G	MR124094	R3	CY8C20636A-24LTXIT	121	0	168	76	0
LQ24AQAAALC	G	MR124095	R1	CS7223AA	121	0	168	77	0
LQ24AQAAALC	G	MR124095	R2	CS7223AA	121	0	168	77	0
LQ24AQAAALC	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	30	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	30	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
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
LQ48AAAALC	RA	MR131002	R1	CY8CTMA300E-48LQXIT	121	0	168	45	0
LQ48AAAALC	RA	MR131002	R1	CY8CTMA300E-48LQXIT	121	0	288	45	0
LQ48AAAALC	RA	MR131002	R2	CY8CTMA300E-48LQXIT	121	0	168	45	0
LQ48AAAALC	RA	MR131002	R3	CY8CTMA300E-48LQXIT	121	0	168	45	0
LQ48AAAALC	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
LQ24AAAALC	RA	MR131083	R1	CS7223AA	121	0	168	45	0
LQ24AAAALC	RA	MR131083	R1	CS7223AA	121	0	288	45	0
LQ24AAAALC	RA	MR131083	R2	CS7223AA	121	0	168	45	0
LQ24AAAALC	RA	MR131083	R2	CS7223AA	121	0	288	45	0
LQ24AAAALC	RA	MR131083	R3	CS7223AA	121	0	168	45	0
LQ24AAAALC	RA	MR131083	R3	CS7223AA	121	0	288	45	0
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
LQ48AAAALC	RA	MR131094	R1	CY8C20667S-24LQXI	121	0	168	45	0
LQ48AAAALC	RA	MR131094	R2	CY8C20667S-24LQXI	121	0	168	45	0
LQ48AAAALC	RA	MR131094	R3	CY8C20647S-24LQXI	121	0	168	45	0



LT68YAAAAL	G	122401	R2	CYRF89535-68LTXC	121	0	168	79	0
LT68YAAAAL	G	122401	R2	CYRF89535-68LTXC	121	0	288	79	0
LT40BQAAAAL	G	122401	R3	CYRF89235-40LTXC	121	0	168	79	0
LT68YAAAAL	G	122704	R2	CYRF89535-68LTXC	121	0	168	79	0
LT68YAAAAL	G	122704	R2	CYRF89535-68LTXC	121	0	288	79	0
LT40BQAAAAL	G	122704	R3	CYRF89235-40LTXC	121	0	168	79	0
LQ32EPDAGL	RA	123005	R1	CY8C20446A-24LQXI	121	0	168	80	0
LQ32EPDAGL	RA	123005	R1	CY8C20446A-24LQXI	121	0	288	80	0
LQ32EPDAGL	RA	123005	R2	CY8C20446A-24LQXI	121	0	168	80	0
LQ32EPDAGL	RA	123005	R2	CY8C20446A-24LQXI	121	0	288	80	0
LQ32EPDAGL	RA	123005	R3	CY8C20446A-24LQXI	121	0	168	80	0
LQ32EPDAGL	RA	123005	R3	CY8C20446A-24LQXI	121	0	288	80	0
LQ40AAAALC	RA	123807	R1	CY8C4245LQI-005ES	121	0	168	78	0
LQ40AAAALC	RA	123807	R1	CY8C4245LQI-005ES	121	0	288	72	0
LQ40AAAALC	RA	123807	R2	CY8C4245LQI-005ES	121	0	168	79	0
LQ40AAAALC	RA	123807	R2	CY8C4245LQI-005ES	121	0	288	70	0
LQ40AAAALC	RA	123807	R3	CY8C4245LQI-005ES	121	0	168	80	0
LQ40AAAALC	RA	123807	R3	CY8C4245LQI-005ES	121	0	288	75	0
LQ24AAAALC	RA	124105	R1	CY7C65211-24LTXIES	121	0	168	78	0
LQ24AAAALC	RA	124105	R1	CY7C65211-24LTXIES	121	0	288	78	0



LQ24AAAALC	RA	124105	R4	CY7C65211-24LTXI	121	0	168	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
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
LQ32QAAALC	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
LT68YAAAALC	G	MR132035	R1	CY8C3445LTI-079KG	121	0	168	45	0
LT68YAAAALC	G	MR132035	R1	CY8C3445LTI-079KG	121	0	288	45	0
LT68YAAAALC	G	MR132035	R2	CY8C3445LTI-079KG	121	0	168	45	0
LT68YAAAALC	G	MR132035	R3	CY8C3445LTI-079KG	121	0	168	45	0
LT68YAAAALC	G	MR132035	R3	CY8C3445LTI-079KG	121	0	288	45	0

**Summary for Package Family: QFN
(Saw Type, Pb-Free) 230 records**

Sum 10119 0

QFN (Punch Type, Wettable Flank, Pb-Free)

LW56DGAZGL	L	121304	R1	CY8CTMA120-56LWXA	121	0	96	80	0
LW56DGAZGL	L	121304	R1	CY8CTMA120-56LWXA	121	0	168	80	0
LW56DGAZGL	L	121304	R2	CY8CTMA120-56LWXA	121	0	96	80	0
LW56DGAZGL	L	121304	R2	CY8CTMA120-56LWXA	121	0	168	80	0



LW56DGAZGL	L	121304	R3	CY8CTMA120-56LWXA	121	0	96	80	0
LW56DGAZGL	L	121304	R3	CY8CTMA120-56LWXA	121	0	168	79	0

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

6 records

Sum 479 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	MR123084	R1	FM25V20-DG	121	0	168	76	0
LH08	UT	MR123084	R1	FM25V20-DG	121	0	240	76	0
LH08	UT	MR123084	R1	FM25V20-DG	121	0	336	76	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

Sum 8 515 0



QSOP (Pb-Free)

SQ2414ACGN	JT	MR114029	R2	CY7C63823-QXC	121	0	288	15	0
SQ2414ACGN	JT	MR121036	R1	CY7C63823-QXC	121	0	288	25	0

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

Sum 40 0

SNC (Pb-Free)

SY2831BHN	JT	MR123036	R1	CG7261AT	121	0	96	30	0
SY2831BHN	JT	MR123036	R1	CG7261AT	121	0	168	30	0
SY2831BHN	JT	MR124037	R1	CY62256NLL-70SNXA	121	0	96	30	0
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

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

Sum 210 0

SOIC

S1615KDAGN	RA	MR123017	R1	CY2309SC-1H	121	0	288	30	0
S1615KDAGN	RA	MR123017	R1	CY2309SC-1H	121	0	168	30	0

Summary for Package Family: SOIC 2 records

Sum 60 0



SOIC (Pb Free)

SZ815YAALN	RA	122802	R1A	CY14E101Q2A-SXI	121	0	168	77	0
SZ24315EGN	RA	MR114020	R1	CY7C63743C-SXCT	121	0	288	30	0
SZ1615BKGN	RA	MR121006	R1	CY8C21234-24SXI	121	0	288	30	0
SZ32451BLN	JT	MR121010	R1	CY7C53120E2-10SXI	121	0	288	30	0
SZ24315DGN	RA	MR121011	R1	CY7C63823-SXC	121	0	288	30	0
SZ1615BKGN	RA	MR122001	R1	CY8C21234-24SXI	121	0	288	30	0
SZ32451DLL	JT	MR122039	R1	CY62138FV30LL-45SXI	121	0	288	30	0
SZ2035BAAL	JT	MR122048	R1	CY8C27243-24SXIT	121	0	288	30	0
SZ2035BAAL	JT	MR122048	R1	CY8C27243-24SXIT	121	0	168	30	0
SZ815CGAAS	M	MR123007	R1	CY2305CSXA-1HT	121	0	168	30	0
SZ815CGAAS	M	MR123007	R1	CY2305CSXA-1HT	121	0	96	30	0
SZ183CPBAN	RA	MR123024	R1	CY7C63813-SXC	121	0	288	30	0
SZ183CPBAN	RA	MR123024	R1	CY7C63813-SXC	121	0	168	30	0
SZ815YAALN	RA	122802	R1A	CY14E101Q2A-SXI	121	0	288	77	0
SZ1615FAL	T	MR122044	R1	CY8C20180-SX2I	121	0	288	30	0
SZ815CGAAS	M	MR124031	R1	CY2305CSXA-1HT	121	0	96	30	0
SZ815CGAAS	M	MR124031	R1	CY2305CSXA-1HT	121	0	168	30	0
SZ324513AN	JT	MR124038	R1	CY62128BNLL-70SXAT	121	0	96	30	0
SZ324513AN	JT	MR124038	R1	CY62128BNLL-70SXAT	121	0	168	30	0



SZ323AEGAS	M	MR124089	R1	CY14B256LA-SZ45XIT	121	0	168	77	0
SZ0815TAGN	T	120409	R3	CY25402SXC-007	121	0	288	85	0
SZ163DAALL	M	124801	R1	CY14B101PA-SFXI	121	0	168	80	0
SZ163DAALL	M	124801	R1	CY14B101PA-SFXI	121	0	288	80	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
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	MR123083	R1	FM25V20-G	121	0	168	76	0
SZ08	UT	MR123083	R1	FM25V20-G	121	0	240	76	0
SZ08	UT	MR123083	R1	FM25V20-G	121	0	336	76	0
SZ08	UT	MR124075	R1	FM24C04B-G	121	0	168	76	0
SZ08	UT	MR124075	R1	FM24C04B-G	121	0	240	76	0
SZ08	UT	MR124075	R1	FM24C04B-G	121	0	336	76	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
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

Summary for Package Family: SOIC (Pb Free)

77

records

Sum

4355

0



SOJ

V243GAAAGN	X	MR113065	R1	CY7C197BN-15VC	121	0	288	30	0
V2835BGBLN	JT	MR131022	R1	CY7C185-15VIT	121	0	168	30	0
V2835BGBLN	JT	MR132043	R1	CY7C185-15VI	121	0	168	30	0

Summary for Package Family: SOJ

3 records

Sum

90 0

SOJ (Pb-Free)

VZ32314CLL	JT	MR121024	R1	CY7C1009D-10VXI	121	0	288	30	0
VZ28313CLN	JT	MR122050	R1	CY7C1399BN-12VXI	121	0	288	30	0
VZ28313CLN	JT	MR122050	R1	CY7C1399BN-12VXI	121	0	168	30	0
VZ32314CLL	JT	MR123033	R1	CY7C1018DV33-10VXIT	121	0	288	30	0
VZ32314CLL	JT	MR123033	R1	CY7C1018DV33-10VXIT	121	0	168	30	0
VZ444ADCLN	JT	MR122038	R1	CY7C1041D-10VXIT	121	0	288	30	0
VZ2847AAAR	OP	MR114074	R1	CY7C107D-10VXI	121	0	168	26	0
VZ444ACCLN	JT	MR124002	R1	CY7C1021D-10VXIT	121	0	168	30	0
VZ444ACCLN	JT	MR124002	R1	CY7C1021D-10VXIT	121	0	288	30	0
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

Summary for Package Family: SOJ (Pb-Free)

12 records

Sum

352 0

SSOP (Pb-Free)

SP483FBKGN	RA	MR121019	R1	CY8C20536A-24PVXIT	121	0	288	30	0
SP483FBKGN	RA	MR122003	R1	CY8C20536A-24PVXIT	121	0	288	29	0
SP483FBKGN	RA	MR122003	R1	CY8C20536A-24PVXIT	121	0	168	29	0
SP563DBC GN	JT	MR122025	R1	CY7C68013A-56PVXC	121	0	288	29	0
SP483FBKGN	RA	MR123016	R1	CY8C20546A-24PVXIT	121	0	168	30	0
SP483FBKGN	RA	MR123016	R1	CY8C20546A-24PVXIT	121	0	288	30	0
SP28214GL	T	MR123055	R1	CY8C9520A-24PVXI	121	0	168	30	0
SP28214GL	T	MR123055	R1	CY8C9520A-24PVXI	121	0	288	30	0
SP483FBKGN	RA	MR124020	R1	CY8C20566A-24PVXIT	121	0	288	23	0
SP2822BGL	M	MR124030	R1	CY8C21534-24PVXAT	121	0	96	30	0
SP2822BGL	M	MR124030	R1	CY8C21534-24PVXAT	121	0	168	30	0
SP28214GL	T	MR124035	R1	CY8C24423A-24PVXI	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	CY8C21334-24PVXIKA	121	0	168	45	0
SP202AAGNC	RA	MR131093	R2	CY8C27243-24PVXIKA	121	0	168	45	0
SP282ABBGN	RA	122003	R2	CY8C21534B-24PVXI	121	0	168	80	0
SP282ABBGN	RA	122003	R1	CY8C21534B-24PVXI	121	0	168	80	0
SP282ABBGN	RA	122003	R2	CY8C21534B-24PVXI	121	0	288	80	0
SP282ABBGN	RA	122003	R1	CY8C21534B-24PVXI	121	0	288	80	0
SP282AAA NC	RA	131804	R1	CY8C4245PVI-482	121	0	168	80	0
SP282AAA NC	RA	131804	R1	CY8C4245PVI-482	121	0	288	78	0
SP282AAA NC	RA	131804	R2	CY8C4245PVI-482	121	0	168	78	0
SP282AAA NC	RA	131804	R2	CY8C4245PVI-482	121	0	288	78	0
SP282AAA NC	RA	131804	R3	CY8C4125PVI-482	121	0	168	78	0
SP282AAA NC	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	CY8C21334-24PVXIKA	121	0	288	45	0
SP202AAGNC	RA	MR131093	R2	CY8C27243-24PVXIKA	121	0	288	45	0



SP282ABGNC	R	MR131093	R3	CY8C21534-24PVXIKA	121	0	168	45	0
SP282ABGNC	R	MR131093	R3	CY8C21534-24PVXIKA	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

Summary for Package Family: SSOP (Pb-Free)

40 records

Sum

1868 0

TQFP (Pb-Free)

AZ100SFGAL	JT	MR114068	R1	CY8C3245AXI-158	121	0	288	30	0
AZ32BXGAN	Q	MR122024	R1	CY7C4201V-15AXC	121	0	168	30	0
AZ128BGAL	G	MR122030	R1	CY7C64713-128AXC	121	0	168	30	0
AZ128BGAL	G	MR122030	R1	CY7C64713-128AXC	121	0	288	30	0
AZ64JAAALL	M	MR123004	R1	CY7C144E-15AXC	121	0	168	30	0
AZ64JAAALL	M	MR123004	R1	CY7C144E-15AXC	121	0	288	30	0
AZ100KGAN	G	MR123041	R1	CY7C024AV-25AXC	121	0	168	30	0
AZ32BXGAN	Q	MR122024	R1	CY7C4201V-15AXC	121	0	288	30	0
AZ100SFEAL	JT	MR123035	R1	CP7529AT	121	0	168	20	0
AZ100SFEAL	JT	MR123035	R1	CP7529AT	121	0	168	9	0
AZ100SFEAL	JT	MR123035	R1	CP7529AT	121	0	96	29	0
AZ100KGAN	G	MR123041	R1	CY7C024AV-25AXC	121	0	288	30	0



AZ64JAAALL	M	MR124007	R1	CY7C144E-55AXC	121	0	168	30	0
AZ64JAAALL	M	MR124007	R1	CY7C144E-55AXC	121	0	288	30	0
AZ100RJBLN	R	MR124034	R1	CY7C1350G-200AXCT	121	0	168	30	0
AZ100RJBLN	R	MR124034	R1	CY7C1350G-200AXCT	121	0	288	30	0
AZ100KGAN	G	MR124050	R1	CY7C024AV-25AXI	121	0	168	30	0
AZ100SFELL	RA	120501	R1	CY8C5888AXI-LP061ES	121	0	168	79	0
AZ100SFEAL	JT	124802	R3	CY8CTMA616AA-13	121	0	168	76	0
AZ100SFEAL	JT	124802	R2	CY8CTMA884AA-13	121	0	168	80	0
AZ100SFEAL	JT	124802	R1	CY8CTMA884AE-13	121	0	168	80	0
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
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
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
Summary for Package Family: TQFP (Pb-Free)			32	records					
Sum								1362	0
TSOP (Pb-free)									
ZT28R2ABGN	JT	MR121061	R1	CY62256NLL-55ZXAT	121	0	168	30	0
ZT28R2ABGN	JT	MR121061	R1	CY62256NLL-55ZXAT	121	0	96	30	0
ZT28R2ABGN	JT	MR122035	R1	CY7C62256NLL-55ZXA	121	0	168	29	0
ZT28R2ABGN	JT	MR122035	R1	CY7C62256NLL-55ZXA	121	0	96	30	0
ZT32RABALL	T	MR122042	R1	CY62128EV30LL-45ZXIT	121	0	288	30	0
ZT32RABALL	T	MR122042	R1	CY62128EV30LL-45ZXIT	121	0	168	30	0
ZT28R2ABGN	JT	MR123009	R1	CY62256NLL-55ZXAT	121	0	168	30	0
ZT28R2ABGN	JT	MR123009	R1	CY62256NLL-55ZXAT	121	0	96	30	0
ZT32RAEDLN	RA	MR123031	R1	CY62128EV30LL-45ZXI	121	0	168	30	0
ZT32RAEDLN	RA	MR123031	R1	CY62128EV30LL-45ZXI	121	0	288	30	0
ZT32RAEDLN	RA	MR124003	R1	CY62128EV30LL-45ZXIT	121	0	168	30	0
ZT32RAEDLN	RA	MR124003	R1	CY62128EV30LL-45ZXIT	121	0	288	30	0
ZT28R2ABGN	JT	MR124039	R1	CY62256NLL-55ZXAT	121	0	96	30	0
ZT28R2ABGN	JT	MR124039	R1	CY62256NLL-55ZXAT	121	0	168	30	0
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

Summary for Package Family: TSOP (Pb-Free)

20 records

Sum 593 0

TSOP I (Pb-Free)

ZB32RHABLN	JT	MR123001	R1	CY62138FV30LL-45ZAXAT	121	0	168	30	0
ZB32RHABLN	JT	MR123001	R1	CY62138FV30LL-45ZAXAT	121	0	96	30	0
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

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

5 records

Sum 150 0

TSOP II (Pb-Free)

ZW324FBGL	T	114908	R5	7A1319GC	121	0	96	43	0
ZW324FBGL	T	114908	R5	7A1319GC	121	0	168	43	0
ZW324FBGL	T	114908	R5	7A1319GC	121	0	288	43	0
ZW324FBGL	T	114908	R6	7A1319GC	121	0	96	43	0



ZW324FBGL	T	114908	R6	7A1319GC	121	0	168	43	0
ZW324FBGL	T	114908	R6	7A1319GC	121	0	288	43	0
ZW444ALLN	JT	114908	R7	7A122101GC	121	0	288	43	0
ZW444ALLN	JT	114908	R7	7A122101GC	121	0	168	43	0
ZW444ALLN	JT	114908	R7	7A122101GC	121	0	96	43	0
ZW324CBALR	T	MR114005	R1	CY62148EV30LL-45ZSXAT	121	0	168	30	0
ZW324CBALR	T	MR114005	R1	CY62148EV30LL-45ZSXAT	121	0	96	30	0
ZW444AKCLN	R	MR114064	R1	CY7C1011CV33-12ZSXSE	121	0	168	30	0
ZW444AKCLN	R	MR114064	R1	CY7C1011CV33-12ZSXSE	121	0	96	30	0
ZW444AHILL	JT	MR114069	R1	CY62126EV30LL-45XAKJ	121	0	168	30	0
ZW444AHILL	JT	MR114069	R1	CY62126EV30LL-45XAKJ	121	0	96	30	0
ZW444AXAGL	RA	MR121003	R1	CY7C1021D-10ZSXIT	121	0	288	29	0
ZW444ADXAGL	RA	MR121018	R1	CY14B104NA-ZS45XIT	121	0	288	30	0
ZW544AALL	G	MR121022	R1	CY7C1069AV33-10ZXCT	121	0	288	30	0
ZW444AMCLN	JT	MR121037	R2	CY62147EV30LL-45ZSXIT	121	0	288	30	0
ZW444AMCLN	JT	MR121037	R2	CY62147EV30LL-45ZSXIT	121	0	168	30	0
ZW444VDLL	JT	MR121057	R1	CY62147EV30LL-45XAKJ	121	0	168	30	0
ZW444VDLL	JT	MR121057	R1	CY62147EV30LL-45XAKJ	121	0	96	30	0
ZW444RACLN	JT	MR122013	R1	CY62137VNLL-70ZSXA	121	0	168	28	0
ZW444RACLN	JT	MR122013	R1	CY62137VNLL-70ZSXA	121	0	96	28	0



ZW324FBGL	T	MR122036	R1	CY7C1019CV33-10ZX	121	0	168	30	0
ZW324FBGL	T	MR122036	R1	CY7C1019CV33-10ZX	121	0	96	30	0
ZW44AXXAGL	RA	MR122041	R1	CY14B101LA-ZS45XI	121	0	168	30	0
ZW444AOLN	JT	MR123002	R1	CY62146ELL-45ZSXA	121	0	168	30	0
ZW444AOLN	JT	MR123002	R1	CY62146ELL-45ZSXA	121	0	96	30	0
ZW324FBGL	T	MR123010	R1	CY7C1019CV33-10ZXAT	121	0	168	30	0
ZW324FBGL	T	MR123010	R1	CY7C1019CV33-10ZXAT	121	0	96	30	0
ZW44AXXAGL	RA	MR123026	R1	CY14B101LA-ZS45XIT	121	0	168	29	0
ZW544AALL	G	MR123028	R1	CY7C1069AV33-10ZXC	121	0	168	30	0
ZW444ALLR	G	MR123045	R1	CY7C1051DV33-12ZSXIT	121	0	168	30	0
ZW54BGALL	G	MR122040	R1	CY7C1069DV33-10ZSXI	121	0	168	30	0
ZW54BGALL	G	MR122040	R1	CY7C1069DV33-10ZSXI	121	0	288	28	0
ZW44AXXAGL	RA	MR122041	R1	CY14B101LA-ZS45XI	121	0	288	30	0
ZW44AXXAGL	RA	MR123026	R1	CY14B101LA-ZS45XIT	121	0	288	29	0
ZW544AALL	G	MR123028	R1	CY7C1069AV33-10ZXC	121	0	288	30	0
ZW444ALLR	G	MR123045	R1	CY7C1051DV33-12ZSXIT	121	0	288	28	0
ZW44ABXAGL	RA	MR124004	R1	CY62146ESL-45ZSXI	121	0	168	30	0
ZW44ABXAGL	RA	MR124004	R1	CY62146ESL-45ZSXI	121	0	288	30	0
ZW544AALL	G	MR124006	R1	CY7C1061AV33-10ZXI	121	0	168	30	0
ZW444ALLR	G	MR124042	R1	CY7C1051DV33-10ZSXI	121	0	168	30	0



ZW444ALLR	G	MR124042	R1	CY7C1051DV33-10ZSXI	121	0	288	30	0
ZW444AKDLN	JT	MR124048	R1	CY7C1041CV33-20ZSXET	121	0	96	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
ZW444AXXAGL	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	CY7C1041CV33-12ZSXIE	121	0	96	30	0
ZW444AKDLN	JT	MR131054	R1	CY7C1041CV33-12ZSXIE	121	0	168	30	0
ZW444AYAGLC	RA	MR132001	R1	CY62137FV30LL-45XIIKA	121	0	168	45	0
ZW444AYAGLC	RA	MR132001	R1	CY62137FV30LL-45XIIKA	121	0	288	45	0
ZW444AYAGLC	RA	MR132001	R1	CY62137FV30LL-45XIIKA	121	0	500	45	0
ZW444AYAGLC	RA	MR132001	R2	CY62137FV30LL-45XIIKA	121	0	168	45	0
ZW444AYAGLC	RA	MR132001	R2	CY62137FV30LL-45XIIKA	121	0	288	45	0
ZW444AYAGLC	RA	MR132001	R2	CY62137FV30LL-45XIIKA	121	0	500	45	0



ZW44ABYGLC	RA	MR132001	R3	CY621472E30LL-45XIKA	121	0	168	45	0
ZW44ABYGLC	RA	MR132001	R3	CY621472E30LL-45XIKA	121	0	288	45	0
ZW44ABYGLC	RA	MR132001	R3	CY621472E30LL-45XIKA	121	0	500	45	0
ZW44AXYAGL	RA	MR132002	R1	CY7C1041DV33-10ZSXI	121	0	168	30	0
ZW444AOLN	JT	MR132015	R1	CY62146EV30LL-45ZSXA	121	0	96	30	0
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
Summary for Package Family: TSOP II (Pb-Free)			72	records					
Sum								2496	0
TSSOP									
Z2412XAGB	M	122204	R3	W232-10X	121	0	168	117	0
Summary for Package Family: TSSOP			1	records					
Sum								117	0
TSSOP (Pb-Free)									
ZZ1620GBAN	RA	MR123018	R1	CY22150FZXCT	121	0	176	30	0
ZZ2014BGN	T	MR123021	R1	CY25404ZXI217T	121	0	168	30	0
ZZ2014BGN	T	MR123021	R1	CY25404ZXI217T	121	0	288	30	0
ZZ1620GBAN	RA	MR123018	R1	CY22150FZXCT	121	0	288	30	0
ZZ1620GBAN	RA	MR124001	R1	CY22393FXCT	121	0	168	30	0



ZZ1620GBAN	RA	MR124001	R1	CY22393FXCT	121	0	288	30	0
ZZ2014BGN	T	MR124005	R1	CY25404ZXI011T	121	0	168	30	0
ZZ2014BGN	T	MR124005	R1	CY25404ZXI011T	121	0	288	30	0
ZZ0812BGLC	T	MR131089	R1	CY2304NZZXI-1KO	121	0	168	77	0
ZZ1614HAN	T	120605	R1	CY22388ZXC-24	121	0	288	84	0
ZZ1614HAN	T	120605	R1	CY22388ZXC-24	121	0	400	74	0
ZZ2014BGN	T	120605	R2	CY25404ZXI-003	121	0	288	85	0
ZZ2014BGN	T	120605	R2	CY25404ZXI-003	121	0	400	75	0
ZZ2411BGN	T	120605	R3	CY2510ZXC-1	121	0	288	85	0
ZZ2411BGN	T	120605	R3	CY2510ZXC-1	121	0	400	75	0
ZZ0811XAGN	M	122204	R1	CY2DP1502ZXC	121	0	168	117	0
ZZ0811XAGN	M	122204	R2	CY2DP1502ZXC	121	0	168	120	0
ZZ0811XAGN	M	122204	R2	CY2DP1502ZXC	121	0	288	120	0
ZZ0811XAGN	M	122204	R1	CY2DP1502ZXC	121	0	288	107	0
ZZ1620GCAN	RA	124204	R1	CY2309SXI-1H	121	0	168	117	0
ZZ1620GBAN	RA	124204	R2	CY22388KZXC-16A	121	0	168	117	0
ZZ1620GBAN	RA	124204	R2	CY22388KZXC-16A	121	0	288	111	0
ZZ2817ABGL	RA	124204	R3	CY24272ZXC	121	0	168	117	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
ZZ2014BGN	T	MR132026	R1	CY25404ZXI-003T	121	0	168	30	0

Summary for Package Family: TSSOP (Pb-Free)

34 records

Sum

2238 0

VFBGA (0.75-0.8, 0.3mm)

BV48CRALE	G	MR123032	R1	CY62167EV30LL-45BVIT	121	0	288	30	0
BV48CRALE	G	MR123032	R1	CY62167EV30LL-45BVIT	121	0	168	30	0
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

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

5 records

Sum

146 0



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

BZ48CEAALL	G	MR121025	R1	CY62147EV30LL-45BVXA	121	0	168	30	0
BZ48CEAALL	G	MR122011	R1	CY62147EV30LL-45BVXA	121	0	168	30	0
BZ48CEAALL	G	MR123034	R1	CY62147EV30LL-45BVXA	121	0	168	30	0
BZ48CEAALL	G	MR123034	R1	CY62147EV30LL-45BVXA	121	0	96	30	0
BZ48DAGLL	RA	MR122046	R1	CY62137FV30LL-45BVXI	121	0	168	30	0
BZ56BGALL	RA	MR122045	R1	CY7C68013A-56BAXC	121	0	288	30	0
BZ56BGALL	RA	MR122045	R1	CY7C68013A-56BAXC	121	0	168	30	0
BZ56GABGL	RA	MR123022	R1	CY7C68053-56BAXI	121	0	168	30	0
BZ84AAAAAL	RA	NR122004	R1	CY8CTMA1036BZI-12	121	0	288	25	0
BZ84AAAAAL	RA	NR122004	R1	CY8CTMA1036BZI-12	121	0	168	25	0
BZ84AAAAAL	RA	NR122004	R2	CY8CTMA1036BZI-12	121	0	288	25	0
BZ84AAAAAL	RA	NR122004	R2	CY8CTMA1036BZI-12	121	0	168	25	0
BZ84AAAAAL	RA	NR122004	R3	CY8CTMA1036BZI-12	121	0	288	25	0
BZ84AAAAAL	RA	NR122004	R3	CY8CTMA1036BZI-12	121	0	168	25	0
BZ84ACAAAL	G	NR122002	R1	CY8CTMA1036BZI-12	121	0	288	25	0
BZ84ACAAAL	G	NR122002	R1	CY8CTMA1036BZI-12	121	0	168	25	0
BZ84ACAAAL	G	NR122002	R2	CY8CTMA1036BZI-12	121	0	288	25	0
BZ84ACAAAL	G	NR122002	R2	CY8CTMA1036BZI-12	121	0	168	25	0
BZ84ACAAAL	G	NR122002	R3	CY8CTMA1036BZI-12	121	0	288	25	0



BZ84ACAAAL	G	NR122002	R3	CY8CTMA1036BZI-12	121	0	168	25	0
BZ56GABGL	RA	MR123022	R1	CY7C68053-56BAXI	121	0	288	30	0
BZ48CEAALL	G	MR124028	R1	CY62147EV30LL-45BVXA	121	0	96	30	0
BZ48CEAALL	G	MR124028	R1	CY62147EV30LL-45BVXA	121	0	168	30	0
BZ48CWALL	G	MR124045	R1	CY7C1061DV33-10BVXIT	121	0	168	30	0
BZ48CWALL	G	MR124045	R1	CY7C1061DV33-10BVXIT	121	0	288	28	0
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
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

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

42 records

Sum

1392 0

PBGA (Pb-Free)

BY119SALL	G	MR124018	R1	CY7C1354C-200BGXC	121	0	168	30	0
BY119SALL	G	MR124018	R1	CY7C1354C-200BGXC	121	0	288	30	0
BY119SALL	G	MR131046	R1	CY7C1354C-200BGXC	121	0	168	30	0
BY119SALL	G	MR132009	R1	CY7C1354C-200BGXC	121	0	168	30	0

Summary for Package Family: PBGA (Pb-Free)

4 records

Sum

120 0



Summary Detail -- TCT Performance Over Time

BUILDKIT	ASSY SITE	EVALNUM	TV	DEVICE	TEMP	VOLT	READOUT	SS	REJECT	FA	COMMENTS	
UFBGA (Pb-free)												
BU84ABAAAL	AC	123603	R1	CY8CTMA1036BUI-33ES2	150/-65	0	500	73	0			
BU84ABAAAL	AC	123603	R1	CY8CTMA1036BUI-33ES2	150/-65	0	1000	68	0			
BU84ABAAAL	AC	123603	R2	CY8CTMA1036BUI-33ES2	150/-65	0	500	83	0			
BU84ABAAAL	AC	123603	R2	CY8CTMA1036BUI-33ES2	150/-65	0	1000	78	0			
BU84ABAAAL	AC	123603	R3	CY8CTMA1036BUI-33ES2	150/-65	0	500	83	0			
BU84ABAAAL	AC	123603	R3	CY8CTMA1036BUI-33ES2	150/-65	0	1000	78	0			
BU84AAAAAL	G	123605	R1	CY8CTMA1036BUI-33ES2	150/-65	0	500	81	0			
BU84AAAAAL	G	123605	R1	CY8CTMA1036BUI-33ES2	150/-65	0	1000	76	0			
BU84AAAAAL	G	123605	R2	CY8CTMA1036BUI-33ES2	150/-65	0	500	82	0			
BU84AAAAAL	G	123605	R2	CY8CTMA1036BUI-33ES2	150/-65	0	1000	77	0			
BU84AAAAAL	G	123605	R3	CY8CTMA1036BUI-33ES2	150/-65	0	500	81	0			
BU84AAAAAL	G	123605	R3	CY8CTMA1036BUI-33ES2	150/-65	0	1000	76	0			
BU84AAAAAL	G	MR132005	R1	CY8CTMA1036BUI-33T	150/-65	0	500	28	0			
Summary for Package Family: UFBGA (Pb-free)			19	records								
Sum								964	0			



FBGA (0.75-0.8, 0.3mm)

BA48ZGALE	G	MR113048	R1	CY7C1021BNV33L-15BAI	150/-65	0	1000	30	0
BA48ZGALE	G	MR121027	R1	CY7C1021BNV33L-15BAI	150/-65	0	1000	30	0
BA48ZGALE	G	MR121027	R1	CY7C1021BNV33L-15BAI	150/-65	0	500	30	0
BA48ZGALE	G	MR122034	R1	CY7C1021BNV33L-15BAI	150/-65	0	1000	30	0
BA48ZGALE	G	MR122034	R1	CY7C1021BNV33L-15BAI	150/-65	0	500	30	0
BA48ZGALE	G	MR123044	R1	CY7C1021BNV33L-15BAIT	150/-65	0	500	30	0
BA48ZGALE	G	MR123044	R1	CY7C1021BNV33L-15BAIT	150/-65	0	1000	29	0
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)**

10

records

Sum

299

0

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

BK48CDGLL	G	122001	R1	7A134101F	150/-65	0	500	99	0
BK48CDGLL	G	122001	R1	7A134101F	150/-65	0	1000	90	0
BK48CDGLL	G	122001	R2	7A134101F	150/-65	0	500	100	0
BK48CDGLL	G	122001	R2	7A134101F	150/-65	0	1000	90	0
BK48CDGLL	G	122001	R3	7A134101F	150/-65	0	500	100	0
BK48CDGLL	G	122001	R3	7A134101F	150/-65	0	1000	90	0



BK48DLBLL	G	MR113033	R1	CY62187EV30LL-55BAXI	150/-65	0	1000	29	0
BK48DJALL	G	MR114042	R1	CY62177DV30LL-55BAXI	150/-65	0	1000	30	0
BK48CDGLL	G	MR114070	R1	CY7C1041CV33-10BAXA	150/-65	0	500	29	0
BK121AGAGL	RA	MR114079	R1	CYWB0220ABS-BZXI	150/-65	0	500	30	0
BK48DJALL	G	MR121049	R1	CY62177DV30LL-55BAXI	150/-65	0	1000	27	0
BK48DJALL	G	MR122051	R1	CY62177DV30LL-55BAXI	150/-65	0	1000	30	0
BK48DJALL	G	MR122051	R1	CY62177DV30LL-55BAXI	150/-65	0	500	30	0
BK121AGAGL	RA	MR123025	R1	CYWB0224ABS-BZXI	150/-65	0	500	30	0
BK48DJALL	G	MR123043	R1	CY62177DV30LL-55BAXI	150/-65	0	500	30	0
BK48CDGLL	G	MR114070	R1	CY7C1041CV33-10BAXA	150/-65	0	1000	27	0
BK121AGAGL	RA	MR123025	R1	CYWB0224ABS-BZXI	150/-65	0	1000	30	0
BK48DJALL	G	MR123043	R1	CY62177DV30LL-55BAXI	150/-65	0	1000	30	0
BK48DJALL	G	MR123053	R1	CY62177DV30LL-55BAXIT	150/-65	0	500	29	0
BK48DJALL	G	MR123053	R1	CY62177DV30LL-55BAXIT	150/-65	0	1000	29	0
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
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		
Summary for Package Family: FBGA			33	records							
(0.75-0.8, 0.3mm, Pb-free)											
Sum								1438	1		
FBGA (1.0-1.27)											
BB165RNALE	RA	MR122017	R1	CY7C1312KV18-250BZC	150/-65	0	1000	29	0		
BB165BUALE	G	MR122029	R1	CY7C1512KV18-250BZC	150/-65	0	1000	30	0		
BB165RNALE	RA	MR123038	R1	CY7C1313KV18-250BZC	150/-65	0	500	30	0		
BB165RNALE	RA	MR123038	R1	CY7C1313KV18-250BZC	150/-65	0	1000	30	0		
BB165RNALE	RA	MR124010	R1	CY7C1313KV18-250BZC	150/-65	0	500	30	0		
BB165RNALE	RA	MR124010	R1	CY7C1313KV18-250BZC	150/-65	0	1000	30	0		
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	
Summary for Package Family: FBGA (1.0-1.27)			14	records						
Sum								549	0	
FBGA (1.0-1.27, Pb-free)										
BW165BUALL	G	120612	R1	CY7C1512KV18-250BZXC	150/-65	0	2000	65	0	
BW165BUALL	G	120612	R1	CY7C1512KV18-250BZXC	150/-65	0	1500	70	0	
BW165BUALL	G	120612	R2	CY7C1512KV18-250BZXC	150/-65	0	2000	95	0	
BW165BUALL	G	120612	R2	CY7C1512KV18-250BZXC	150/-65	0	1500	95	0	
BW165BUALL	G	120612	R3	CY7C1512KV18-250BZXC	150/-65	0	2000	95	0	
BW165BUALL	G	120612	R3	CY7C1512KV18-250BZXC	150/-65	0	1500	95	0	
BW165GAALL	RA	MR113018	R1	CY7C1512KV18-250BZXI	150/-65	0	3000	26	0	
BW165RJALL	RA	MR122009	R1	CY7C1412KV18-250BZXI	150/-65	0	1000	28	0	
BW100EAGL	G	MR122020	R1	CYP15G0101DXB-BBXC	150/-65	0	1000	30	0	
BW100EAGL	G	MR123012	R1	CYP15G0101DXB-BBXC	150/-65	0	1000	30	0	
BW100EAGL	G	MR123012	R1	CYP15G0101DXB-BBXC	150/-65	0	500	30	0	
BW165RNALL	RA	MR123039	R1	CY7C1312KV18-250BZXC	150/-65	0	500	29	0	
BW209GAAL	G	121905	R3	CYF0144V33L-133BGXI	125/-55	0	500	74	0	



BW209GAAL	G	121905	R3	CYF0144V33L-133BGXI	125/-55	0	1000	74	0
BW209GAAL	G	123301	R3	CYF0144V33L-133BGXI	125/-55	0	500	74	0
BW165GAALL	RA	123810	R1	CY7C1512KV18-250BZXC	150/-65	0	500	80	0
BW165RNALL	RA	MR123039	R1	CY7C1312KV18-250BZXC	150/-65	0	1000	29	0
BW165RNALL	RA	MR124011	R1	CY7C1312KV18-250BZXI	150/-65	0	500	30	0
BW165RNALL	RA	MR124011	R1	CY7C1312KV18-250BZXI	150/-65	0	1000	30	0
BW100EAGL	G	MR124025	R1	CYP15G0101DXB-BBXI	150/-65	0	500	30	0
BW100EAGL	G	MR124025	R1	CYP15G0101DXB-BBXI	150/-65	0	1000	30	0
BW165RNALL	RA	124801	R5	CY7C1312KV18-300BZXI	150/-65	0	500	78	0
BW165RNALL	RA	124801	R5	CY7C1312KV18-300BZXI	150/-65	0	1000	78	0
BW209GAAL	G	121905	R1	7C4S1444AO-**GBWI	125/-55	0	500	71	0
BW209GAAL	G	121905	R1	7C4S1444AO-**GBWI	125/-55	0	1000	71	0
BW209GAAL	G	121905	R2	CYF0144V33L-133BGXI	125/-55	0	500	80	0
BW209GAAL	G	121905	R2	CYF0144V33L-133BGXI	125/-55	0	1000	78	0
BW209GAAL	G	121905	R3	CYF0144V33L-133BGXI	125/-55	0	500	74	0
BW209GAAL	G	121905	R3	CYF0144V33L-133BGXI	125/-55	0	1000	74	0
BW165CEALL	G	124106	R1A	CY7C1414KV18-250BZXC	150/-65	0	500	77	0
BW165CEALL	G	124106	R1A	CY7C1414KV18-250BZXC	150/-65	0	1000	77	0
BW165CEALL	G	124106	R2A	CY7C1414KV18-250BZXC	150/-65	0	500	77	0
BW165CEALL	G	124106	R2A	CY7C1414KV18-250BZXC	150/-65	0	1000	77	0



BW165CEALL	G	124106	R3A	CY7C1414KV18-250BZXC	150/-65	0	500	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
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
Summary for Package Family: FBGA (1.0-1.27, Pb-free)			53	records					
Sum								3129	0

FLIPCHIP CSP (Pb-Free)

FN49ABAAAL	AU	MR121046	R1	CP7455ATT	125/-55	0	500	29	0
FN49ACAAAL	GQ	MR113072	R1	CY8CTMA340-FNI-09T	125/-55	0	1000	25	0
FN131ATRCD	AU	112109	R2	CYWB0263BB-FNXIES	125/-55	0	1000	81	0
FN49ABAAAL	AU	MR121046	R1	CP7455ATT	125/-55	0	1000	29	0
FN49ABDRCD	DT	MR122049	R1	CG7524AMT	125/-55	0	500	29	0
FN49ABDRCD	DT	MR123050	R1	CG7524AMT	125/-55	0	500	29	0
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	1000	29	0
Summary for Package Family: FLIPCHIP CSP (Pb-Free)			9	records					
Sum								307	0



PBGA (Cavity/Heat Sink)

PDIP

P2434XAAGB	X	MR122037	R1	CY7C194BN-15PC	150/-65	0	1000	30	0
P2434XAAGB	X	MR122037	R1	CY7C194BN-15PC	150/-65	0	500	30	0

Summary for Package Family: PDIP

2 records

Sum

60 0

PDIP (Pb-Free)

PZ283ACAGL	X	MR121051	R1	CY7C199CN-15PXC	150/-65	0	1000	28	0
PZ183DPDGN	RA	MR122016	R1	CY7C63723C-PXC	150/-65	0	1000	30	0
PZ283AAAGN	X	MR122047	R1	CY8C27443-24PXI	150/-65	0	1000	30	0
PZ286EAAGN	X	MR123020	R1	CY62256NLL-70PXC	150/-65	0	1000	30	0
PZ286EAAGN	X	MR123020	R1	CY62256NLL-70PXC	150/-65	0	500	30	0
PZ183DPDGN	RA	MR123023	R1	CY7C63723C-PXC	150/-65	0	1000	30	0
PZ183DPDGN	RA	MR123023	R1	CY7C63723C-PXC	150/-65	0	500	30	0
PZ183DPBGN	RA	MR124052	R1	CY7C63813-PXC	150/-65	0	500	28	0
PZ286EAAGN	X	MR124047	R1	CY62256NLL-70PXC	150/-65	0	500	30	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
PZ283CGGAS	M	122903	R1	CY7C199CN-15PXC	150/-65	0	500	120	0



PZ283CGGAS	M	122903	R2	CY7C199CN-15PXC	150/-65	0	500	120	0
PZ286VFRAR	M	122903	R3	CY62256NLL-70PXC	150/-65	0	500	120	0
PZ286VFRAR	M	122903	R3	CY62256NLL-70PXC	150/-65	0	1000	115	0
PZ286VFRAR	M	122903	R4	CY62256NLL-70PXC	150/-65	0	500	120	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

**Summary for Package Family: PDIP
(Pb-Free)**

26 records

Sum

1578 0

PLCC (Pb-Free)

JZ52SFGAN	M	MR123051	R1	CY7C131-25JXCT	150/-65	0	500	30	0
JZ52SFGAN	M	MR123051	R1	CY7C131-25JXCT	150/-65	0	1000	29	0
JZ52SFGAN	M	MR124008	R1	CY7C146-55JXC	150/-65	0	500	30	0
JZ52SFGAN	M	MR124008	R1	CY7C146-55JXC	150/-65	0	1000	30	0



JZ28SBGAN	M	125107	R3	CY7B933-JXC	150/-65	0	500	117	0
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

Summary for Package Family: PLCC (Pb-Free) 9 records

Sum 529 0

PQFP (Pb-free)

NZ52DXGAN	G	MR122023	R1	CY7C131-55NXC	150/-65	0	1000	28	0
NZ52DXGAN	G	MR123027	R1	CY7C131-55NXC	150/-65	0	500	30	0
NZ52DXGAN	G	MR123027	R1	CY7C131-55NXC	150/-65	0	1000	30	0
NZ52EAALL	M	MR123052	R1	CY7C131E-55NXC	150/-65	0	500	30	0
NZ52EAALL	M	MR123052	R1	CY7C131E-55NXC	150/-65	0	1000	30	0
NZ52EAALL	M	MR124009	R1	CY7C131E-55NXC	150/-65	0	500	29	0
NZ52DXGAN	G	MR124032	R1	CY7C136-55NXCT	150/-65	0	500	30	0

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

Sum 207 0

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

LG16AQAAL	G	112603	R1	CY8C20236A-24LKXI	150/-65	0	1500	78	0
LG16AQAAL	G	112603	R1	CY8C20236A-24LKXI	150/-65	0	2000	78	0



LG16AQAAAL	G	114903	R4	CY8C20224-12LKXI	150/-65	0	2000	100	0
LG16AQAAAL	G	114903	R5	CY8C20110-LDX2I	150/-65	0	2000	99	0
LG16AEAAAL	MB	MR114063	R1	CY8C20234-12LKXAT	150/-65	0	500	29	0
LG16AQAAAL	G	MR122031	R1	CY7C64315-16LKXCT	150/-65	0	500	30	0
LG16AQAAAL	G	NR121001	R7	CY8C20236A-24LKXI	150/-65	0	1000	90	0
LG16AQAAAL	G	NR121001	R8	CY8C20236A-24LKXI	150/-65	0	1000	90	0
LG16AQAAAL	G	NR121001	R9	CY8C20236A-24LKXI	150/-65	0	1000	90	0
LG16AQAAAL	G	NR121001	R10	CY8C20236A-24LKXI	150/-65	0	500	90	0
LG16AQAAAL	G	NR121001	R10	CY8C20236A-24LKXI	150/-65	0	1000	90	0
LG16AQAAAL	G	NR121001	R11	CY8C20236A-24LKXI	150/-65	0	500	90	0
LG16AQAAAL	G	NR121001	R11	CY8C20236A-24LKXI	150/-65	0	1000	90	0
LG16AQAAAL	G	NR121001	R12	CY8C20236A-24LKXI	150/-65	0	500	90	0
LG16AQAAAL	G	NR121001	R12	CY8C20236A-24LKXI	150/-65	0	1000	90	0
LG16AQAAAL	G	NR121001	R13	CY8C20236A-24LKXI	150/-65	0	500	90	0
LG16AQAAAL	G	NR121001	R13	CY8C20236A-24LKXI	150/-65	0	1000	90	0
LG16AQAAAL	G	NR121001	R14	CY8C20236A-24LKXI	150/-65	0	500	90	0
LG16AQAAAL	G	NR121001	R14	CY8C20236A-24LKXI	150/-65	0	1000	90	0
LG16AQAAAL	G	NR121001	R15	CY8C20236A-24LKXI	150/-65	0	500	90	0
LG16AQAAAL	G	NR121001	R15	CY8C20236A-24LKXI	150/-65	0	1000	90	0
LG16ABAALL	L	MR114030	R1	CG7471AMT	150/-65	0	1000	30	0



LG16ABAALL	L	MR114032	R1	CY8C20236A-24LKXIT	150/-65	0	1000	30	0
LG16AEAAAL	MB	MR114063	R1	CY8C20234-12LKXAT	150/-65	0	1000	28	0
LG16AQAAAL	G	MR122031	R1	CY7C64315-16LKXCT	150/-65	0	1000	30	0
LG16AQAAAL	G	MR123013	R1	CG7601AAT	150/-65	0	1000	27	0
LG16AQAAAL	G	MR124044	R1	CY8C20045-24LKXIT	150/-65	0	500	30	0
LG16AEAAAL	MB	MR124033	R1	CY8C20234-12LKXAT	150/-65	0	500	28	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

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

34

records

Sum

2124

0

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

LK32AABAGL	L	MR114033	R1	CG7361AMT	150/-65	0	500	29	0
LK32AABAGL	L	MR114033	R1	CG7361AMT	150/-65	0	1000	28	0

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

2

records

Sum

57

0



QFN (Punch Type, Pb-Free)

LY24BGAGL	L	MR113040	R1	CY8C21323-24LFXIT	150/-65	0	1000	30	0
LY56AGAGL	L	MR122010	R1	CY7C65620-56LFXA	150/-65	0	1000	29	0
LY56AGAGL	L	MR123008	R1	CY7C65630-56LFXAT	150/-65	0	500	30	0
LY56AGAGL	L	MR123008	R1	CY7C65630-56LFXAT	150/-65	0	1000	30	0
LY56DGAGL	L	MR124029	R1	CY8CTMA120-56LFXAT	150/-65	0	500	30	0
LY56DGAGL	L	MR124029	R1	CY8CTMA120-56LFXAT	150/-65	0	1000	29	0
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

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

10 records

Sum

284 0

QFN (Saw Type, Pb-Free)

LQ24AQAAAL	G	112108	R1	CY7C68003-24LQXI	150/-65	0	2000	77	0
LQ24AQAAAL	G	112108	R1	CY7C68003-24LQXI	150/-65	0	1500	77	0
LT48AQAAAL	G	114905	R1	CY8C27643-24LTXI	150/-65	0	2000	105	0
LT48AQAAAL	G	114905	R1	CY8C27643-24LTXI	150/-65	0	1500	110	0
LT56YAAAAL	G	114906	R1	CY7C65630-56LTXC	150/-65	0	2000	98	0
LT56YAAAAL	G	114906	R1	CY7C65630-56LTXC	150/-65	0	1500	98	0



LT68YAAAAL	G	114906	R2	CY8C3866LT1-030	150/-65	0	2000	103	0
LT68YAAAAL	G	114906	R2	CY8C3866LT1-030	150/-65	0	1500	108	0
LQ32QAAAAAL	G	123701	R1	CY8C20436A-24LQXI	150/-65	0	500	97	0
LQ32QAAAAAL	G	123701	R2	CY8C20436A-24LQXI	150/-65	0	500	97	0
LQ32QAAAAAL	G	123701	R3	CY8C20436A-24LQXI	150/-65	0	500	97	0
LT40ACAAGL	AE	AR1130019	R1	CYRF6936-40LTXC	150/-65	0	1000	20	0
LT40ACAAGL	AE	AR1130019	R1	CYRF6936-40LTXC	150/-65	0	500	20	0
LT32BAABGL	RA	AR1142014	R1	CY8C21434-24LTXIT	150/-65	0	1000	20	0
LT32BAABGL	RA	AR1142014	R1	CY8C21434-24LTXIT	150/-65	0	500	20	0
LQ24AAAAAL	RA	AR1223015	R1	CG7400AM	150/-65	0	1000	13	0
LQ24AAAAAL	RA	AR1223015	R1	CG7400AM	150/-65	0	500	13	0
LQ32EPDAGL	RA	AR1225015	R1	CY8CTST242-LQI-01T	150/-65	0	1000	20	0
LQ32EPDAGL	RA	AR1225015	R1	CY8CTST242-LQI-01T	150/-65	0	500	20	0
LQ32EPDAGL	RA	AR1225016	R1	CY8CTST242-LQI-01T	150/-65	0	1000	20	0
LQ32EPDAGL	RA	AR1225016	R1	CY8CTST242-LQI-01T	150/-65	0	500	20	0
LQ48AAAAAL	RA	AR1230010	R1	CG7479AM	150/-65	0	1000	20	0
LQ48AAAAAL	RA	AR1230010	R1	CG7479AM	150/-65	0	500	20	0
LQ36AAAAAN	MB	MR113020	R1	CY8CTMA300E-36LQXI	150/-65	0	2000	27	0
LQ36AAAAAN	MB	MR113020	R1	CY8CTMA300E-36LQXI	150/-65	0	1500	29	0
LQ36AAAAAN	MB	MR114015	R1	CY8CTMA340-LQI-01T	150/-65	0	1000	30	0



LQ36AAAAAN	MB	MR114015	R1	CY8CTMA340-LQI-01T	150/-65	0	500	30	0
LQ36AAAAAL	L	MR114031	R1	CP7340ATT	150/-65	0	1000	30	0
LQ36AAAAAL	L	MR114031	R1	CP7340ATT	150/-65	0	500	30	0
LQ48AQAAAL	G	MR121005	R1	CY8CTMA340-48LQI-01T	150/-65	0	1000	30	0
LQ48AQAAAL	G	MR121005	R1	CY8CTMA340-48LQI-01T	150/-65	0	500	30	0
LQ32EPDAGL	RA	MR121013	R1	CY8CTMG240-LQI-01	150/-65	0	500	30	0
LT32BAABGL	RA	MR122002	R1	CY8C21434-24LTXIT	150/-65	0	1000	30	0
LT56BCAAGL	AE	MR122026	R1	CY7C65631-56LTXCT	150/-65	0	1000	29	0
LT56YAAAAL	G	MR122027	R1	CY7C65640A-LTXC	150/-65	0	1000	28	0
LQ32QAAAAL	G	MR122028	R1	CY8C20446A-24LQXI	150/-65	0	1000	30	0
LQ32QAAAAL	G	MR122028	R1	CY8C20446A-24LQXI	150/-65	0	500	30	0
LT56BCAAGL	AE	MR123005	R1	CP7391AT	150/-65	0	1000	30	0
LT56BCAAGL	AE	MR123005	R1	CP7391AT	150/-65	0	500	30	0
LT56BEAAGL	RA	MR123015	R1	CY8C24794-24LTXI	150/-65	0	500	30	0
LT48CQAAAAL	G	NR122001	R1	CYWUSB6934-48LTXC	150/-65	0	500	90	0
LT48CQAAAAL	G	NR122001	R2	CYWUSB6934-48LTXC	150/-65	0	500	90	0
LT48CQAAAAL	G	NR122001	R3	CYWUSB6934-48LTXC	150/-65	0	500	90	0
LQ48AAAAAL	RA	120907	R1	CY8CTMA340-48LQI-01	150/-65	0	1000	77	0
LQ32EPDAGL	RA	120907	R2	CY8C20446A-24LQXIT	150/-65	0	500	77	0
LQ32EPDAGL	RA	120907	R2	CY8C20446A-24LQXIT	150/-65	0	1000	77	0



LT40BQAAAL	G	122503	R1	CYRF69103-40LTXC	150/-65	0	500	79	0
LQ32EPDAGL	RA	AR1243005	R1	CY8CTST242-LQI-01T	150/-65	0	100	2	0
LQ32EPDAGL	RA	AR1243005	R1	CY8CTST242-LQI-01T	150/-65	0	500	2	0
LQ32EPDAGL	RA	AR1243005	R1	CY8CTST242-LQI-01T	150/-65	0	1000	2	0
LQ32EPDAGL	RA	AR1244005	R1	CY8CTST242-LQI-01T	150/-65	0	100	7	0
LQ32EPDAGL	RA	AR1244005	R1	CY8CTST242-LQI-01T	150/-65	0	500	7	0
LQ32EPDAGL	RA	AR1244005	R1	CY8CTST242-LQI-01T	150/-65	0	1000	7	0
LQ24AAAAAL	RA	AR1246007	R1	CS7223AA	150/-65	0	100	10	0
LQ24AAAAAL	RA	AR1246007	R1	CS7223AA	150/-65	0	100	9	0
LQ36ABAAAL	RA	AR1249007	R1	CG7566AFT	150/-65	0	100	5	0
LQ36ABAAAL	RA	AR1249007	R1	CG7566AFT	150/-65	0	100	5	0
LQ32EPDAGL	RA	MR121013	R1	CY8CTMG240-LQI-01	150/-65	0	1000	30	0
LT48DQAAAL	G	MR121056	R1	CY8C28623-24LTXIT	150/-65	0	500	30	0
LT88ABAAAL	L	MR122033	R1	CY8CTMA616LTI-13T	150/-65	0	1000	28	0
LT88ABAAAL	L	MR123003	R1	CY8CTMA616LTI-13	150/-65	0	1000	23	0
LT40ABAAAL	G	MR123011	R1	CYRF7936-40LTXC	150/-65	0	500	30	0
LQ48AAAAAL	RA	MR123014	R1	CY8CTMA340-48LQI-01	150/-65	0	500	30	0
LQ48AAAAAL	RA	MR123014	R1	CY8CTMA340-48LQI-01	150/-65	0	1000	18	0
LQ48AAAAAL	RA	MR123014	R1	CY8CTMA340-48LQI-01	150/-65	0	1000	12	0
LQ32QAAAAAL	G	MR123042	R1	CY24292LFXCT	150/-65	0	500	29	0



LQ48AQAAAL	G	MR124012	R1	CY8CTMA340-48LQI-01	150/-65	0	500	30	0
LQ48AQAAAL	G	MR124012	R1-Split 1	CY8CTMA340-48LQI-01	150/-65	0	1000	23	0
LQ48AQAAAL	G	MR124012	R1-Split 2	CY8CTMA340-48LQI-01	150/-65	0	1000	7	0
LT56BEAAGL	RA	MR124014	R1	CS6651DAT	150/-65	0	500	30	0
LT56BEAAGL	RA	MR124014	R1	CS6651DAT	150/-65	0	1000	30	0
LT68YAAAAL	G	122401	R1	CYRF89535-68LTXC	150/-65	0	500	79	0
LT68YAAAAL	G	122401	R2	CYRF89535-68LTXC	150/-65	0	500	79	0
LT68YAAAAL	G	122401	R2	CYRF89535-68LTXC	150/-65	0	1000	79	0
LT40BQAAAL	G	122401	R3	CYRF89235-40LTXC	150/-65	0	1000	79	0
LT40BQAAAL	G	122401	R3	CYRF89235-40LTXC	150/-65	0	1500	79	0
LT68YAAAAL	G	122401	R6	CYRF89535-68LTXC	150/-65	0	500	79	0
LQ24AQAAALC	G	122602	R1	CYRF8935AK-24LQXC	150	0	500	80	0
LQ24AQAAALC	G	122602	R2	CYRF8935AK-24LQXC	150/-65	0	500	85	0
LQ24AQAAALC	G	122602	R3	CYRF8935AK-24LQXC	150/-65	0	500	80	0
LT68YAAAAL	G	122704	R1	CYRF89535-68LTXC	150/-65	0	500	79	0
LT40BQAAAL	G	122704	R3	CYRF89235-40LTXC	150/-65	0	1000	79	0
LT40BQAAAL	G	122704	R3	CYRF89235-40LTXC	150/-65	0	1500	79	0
LT68YAAAAL	G	122704	R6	CYRF89535-68LTXC	150/-65	0	500	79	0
LT40BQAAAL	G	124507	R9	CYRF89235-40LTXCES	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
LQ24AAAAAL	RA	AR1246007	R1	CS7223AA	150/-65	0	500	10	0
LQ24AAAAAL	RA	AR1246007	R1	CS7223AA	150/-65	0	1000	10	0
LQ24AAAAAL	RA	AR1246007	R1	CS7223AA	150/-65	0	500	9	0
LQ24AAAAAL	RA	AR1246007	R1	CS7223AA	150/-65	0	1000	9	0
LQ36ABAAAL	RA	AR1249007	R1	CG7566AFT	150/-65	0	500	5	0
LQ36ABAAAL	RA	AR1249007	R1	CG7566AFT	150/-65	0	500	5	0
LQ24AAAAAL	RA	AR1252007	R1	CG7561AAT	150/-65	0	100	10	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



LQ48AQAALC	G	MR124091	R2	CG7531AMT	150/-65	0	1000	80	0
LQ48AQAALC	G	MR124091	R3	CG7531AMT	150/-65	0	1000	80	0
LT48AQAALC	G	MR124094	R1	CY8C20636A-24LTXI	150/-65	0	500	77	0
LT48AQAALC	G	MR124094	R2	CY8C20636A-24LTXI	150/-65	0	500	77	0
LT48AQAALC	G	MR124094	R3	CY8C20636A-24LTXIT	150/-65	0	500	77	0
LQ24AQAALC	G	MR124095	R1	CS7223AA	150/-65	0	500	77	0
LQ24AQAALC	G	MR124095	R2	CS7223AA	150/-65	0	500	77	0
LQ24AQAALC	G	MR124095	R3	CS7223AA	150/-65	0	500	77	0
LT56BAAALC	G	MR124096	R1	CS6651DAT	150/-65	0	500	70	0
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	R2	CS6651DAT	150/-65	0	500	45	0
LT56BEAGLC	RA	MR131004	R3	CS6651DAT	150/-65	0	500	45	0
LQ48AQAALC	G	MR131010	R1	CG7589AA	150/-65	0	500	30	0
LQ36ABAAAL	RA	MR131013	R1	CG7566AFT	150/-65	0	500	30	0
LQ24AAAALC	RA	MR131083	R1	CS7223AA	150/-65	0	500	45	0
LQ24AAAALC	RA	MR131083	R1	CS7223AA	150/-65	0	1000	45	0
LQ24AAAALC	RA	MR131083	R2	CS7223AA	150/-65	0	500	45	0
LQ24AAAALC	RA	MR131083	R2	CS7223AA	150/-65	0	1000	45	0
LQ24AAAALC	RA	MR131083	R3	CS7223AA	150/-65	0	500	45	0
LQ24AAAALC	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	R1A	CY8C20446A-24LQXI	150/-65	0	500	80	0



LQ32EPDAGL	RA	115105	R1A	CY8C20446A-24LQXI	150/-65	0	1000	80	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
LQ32EPDAGL	RA	123005	R1	CY8C20446A-24LQXI	150/-65	0	500	80	0
LQ32EPDAGL	RA	123005	R1	CY8C20446A-24LQXI	150/-65	0	1000	80	0
LQ32EPDAGL	RA	123005	R2	CY8C20446A-24LQXI	150/-65	0	500	80	0
LQ32EPDAGL	RA	123005	R2	CY8C20446A-24LQXI	150/-65	0	1000	80	0
LQ32EPDAGL	RA	123005	R3	CY8C20446A-24LQXI	150/-65	0	500	79	0
LQ32EPDAGL	RA	123005	R3	CY8C20446A-24LQXI	150/-65	0	1000	79	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
LQ40AAAALC	RA	123807	R1	CY8C4245LQI-005ES	150/-65	0	500	74	0
LQ40AAAALC	RA	123807	R1	CY8C4245LQI-005ES	150/-65	0	1000	69	0
LQ40AAAALC	RA	123807	R2	CY8C4245LQI-005ES	150/-65	0	500	78	0
LQ40AAAALC	RA	123807	R2	CY8C4245LQI-005ES	150/-65	0	1000	72	0
LQ40AAAALC	RA	123807	R3	CY8C4245LQI-005ES	150/-65	0	500	77	0
LQ40AAAALC	RA	123807	R3	CY8C4245LQI-005ES	150/-65	0	1000	72	0
LQ24AAAALC	RA	124105	R1	CY7C65211-24LTXIES	150/-65	0	500	78	0



LQ24AAAALC	RA	124105	R1	CY7C65211-24LTXIES	150/-65	0	1000	77	0
LQ24AAAALC	RA	124105	R2	CY7C65211-24LTXIES	150/-65	0	500	77	0
LQ24AAAALC	RA	124105	R2	CY7C65211-24LTXIES	150/-65	0	1000	77	0
LQ24AAAALC	RA	124105	R3	CY7C65211-24LTXIES	150/-65	0	500	77	0
LQ24AAAALC	RA	124105	R3	CY7C65211-24LTXIES	150/-65	0	1000	77	0
LQ24AAAALC	RA	124105	R4	CY7C65211-24LTXI	150/-65	0	500	77	0
LQ24AAAALC	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	500	79	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
LT68GAAAAAL	G	130903	R1	CY8C5568LTI-114	150/-65	0	500	80	0
LT68GAAAAAL	G	130903	R1	CY8C5568LTI-114	150/-65	0	1000	34	0
LT68GAAAAAL	G	130903	R2	CY8C5568LTI-114	150/-65	0	500	80	0
LT68GAAAAAL	G	130903	R2	CY8C5568LTI-114	150/-65	0	1000	8	0
LT68GAAAAAL	G	130903	R3	CY8C5568LTI-114	150/-65	0	500	80	0
LT68GAAAAAL	G	130903	R3	CY8C5568LTI-114	150/-65	0	1000	8	0
LQ24AAAAAL	RA	AR1252007	R1	CG7561AAT	150/-65	0	100H	9	0
LQ36ABAAAL	RA	AR1312007	R1	CG7566AFT	150/-65	0	100	4	0
LQ36ABAAAL	RA	AR1312007	R1	CG7566AFT	150/-65	0	100	3	0
LQ48AAAAALC	RA	AR1312014	R1	CG7479AM	150/-65	0	100	2	0
LQ48AAAAALC	RA	AR1312014	R1	CG7479AM	150/-65	0	100	2	0
LQ48AAAAALC	RA	AR1312014	R1	CG7479AM	150/-65	0	500	2	0
LQ48AAAAALC	RA	AR1312014	R1	CG7479AM	150/-65	0	1000	2	0
LQ48AAAAAL	RA	AR1313010	R1	CG7663AAT	150/-65	0	100	1	0
LQ48AEAAAL	RA	AR1313014	R1	CG7683AM	150/-65	0	100	2	0
LQ48AEAAAL	RA	AR1313014	R1	CG7683AM	150/-65	0	100	1	0



LQ48AEAAAL	RA	AR1313014	R1	CG7683AM	150/-65	0	500	1	0
LQ56BAAAAL	RA	AR1314012	R1	CG7662AAT	150/-65	0	100	7	0
LQ56BAAAAL	RA	AR1314012	R1	CG7662AAT	150/-65	0	500	7	0
LQ48AAAALC	RA	AR1316010	R1	CG7479AM	150/-65	0	100	4	0
LQ48AAAALC	RA	AR1316010	R1	CG7479AM	150/-65	0	100	4	0
LQ48AAAALC	RA	AR1316010	R1	CG7479AM	150/-65	0	500	4	0
LQ48AAAALC	RA	AR1316010	R1	CG7479AM	150/-65	0	500	4	0
LQ48AAAALC	RA	AR1316010	R1	CG7479AM	150/-65	0	1000	4	0
LQ48AAAALC	RA	AR1316014	R1	CG7531AM	150/-65	0	100	9	0
LQ48AAAALC	RA	AR1316014	R1	CG7531AM	150/-65	0	100	8	0
LQ48AAAALC	RA	AR1316014	R1	CG7531AM	150/-65	0	500	9	0
LQ48AAAALC	RA	AR1316014	R1	CG7531AM	150/-65	0	500	8	0
LQ56BAAAAL	RA	AR1317010	R1	CG7662AAT	150/-65	0	100	3	0
LQ56BAAAAL	RA	AR1317010	R1	CG7662AAT	150/-65	0	100	2	0
LQ56BAAAAL	RA	AR1317010	R1	CG7662AAT	150/-65	0	500	3	0
LQ36ABAALC	RA	AR1317012	R1	CY8CTMA340-LQI-01T	150/-65	0	100	10	0
LQ36ABAALC	RA	AR1317012	R1	CY8CTMA340-LQI-01T	150/-65	0	100	9	0
LQ36ABAALC	RA	AR1318007	R1	CY8CTMA140-LQI-09	150/-65	0	100	1	0
LQ36ABAALC	RA	AR1318007	R1	CY8CTMA140-LQI-09	150/-65	0	100	1	0
LQ56BAAAAL	RA	AR1318010	R1	CG7662AAT	150/-65	0	100	1	0



LQ56BAAAAL	RA	AR1318010	R1	CG7662AAT	150/-65	0	100	1	0
LQ56BAAAAL	RA	AR1318010	R1	CG7662AAT	150/-65	0	500	1	0
LQ36ABAALC	RA	AR1318012	R1	CY8CTMA140-LQI-09	150/-65	0	100	4	0
LQ36ABAALC	RA	AR1318012	R1	CY8CTMA140-LQI-09	150/-65	0	100	4	0
LQ56BAAAAL	RA	AR1318014	R1	CG7662AAT	150/-65	0	100	3	0
LQ56BAAAAL	RA	AR1318014	R1	CG7662AAT	150/-65	0	100	2	0
LQ56BAAAAL	RA	AR1318014	R1	CG7662AAT	150/-65	0	500	3	0
LQ56BAAAAL	RA	AR1319010	R1	CG7662AAT	150/-65	0	100	7	0
LQ56BAAAAL	RA	AR1319010	R1	CG7662AAT	150/-65	0	100	7	0
LQ48AEAAAAL	RA	AR1320007	R1	CG7683AM	150/-65	0	100	15	0
LQ56BAAAAL	RA	AR1320014	R1	CG7662AAT	150/-65	0	100	19	0
LQ48AAAALC	RA	AR1321010	R1	CG7531AMT	150/-65	0	100	4	0
LQ48AAAALC	RA	AR1321010	R1	CG7531AMT	150/-65	0	500	4	0
LQ48AAAALC	RA	AR1321014	R1	CG7531AMT	150/-65	0	100	13	0
LQ48AAAALC	RA	AR1321014	R1	CG7531AMT	150/-65	0	500	13	0
LQ48AAAALC	RA	AR1321021	R1	CG7531AMT	150/-65	0	100	8	0
LQ48AAAALC	RA	AR1321021	R1	CG7531AMT	150/-65	0	500	8	0
LQ48AAAALC	RA	AR1321023	R1	CG7531AMT	150/-65	0	100	2	0
LQ48AAAALC	RA	AR1321023	R1	CG7531AMT	150/-65	0	500	2	0
LQ48AAAALC	RA	AR1321028	R1	CG7531AMT	150/-65	0	100	11	0



LQ48AAAALC	RA	AR1321028	R1	CG7531AMT	150/-65	0	500	11	0
LQ48AAAALC	RA	AR1321031	R1	CG7479AM	150/-65	0	100	18	0
LQ48AAAALC	RA	AR1321035	R1	CG7479AM	150/-65	0	100	6	0
LQ48AAAALC	RA	AR1321035	R1	CG7479AM	150/-65	0	500	6	0
LQ48AAAALC	RA	AR1322017	R1	CG7479AM	150/-65	0	100	7	0
LQ48AAAALC	RA	AR1322026	R1	CG7479AM	150/-65	0	100	18	0
LQ48AAAALC	RA	AR1322031	R1	CG7479AM	150/-65	0	100	7	0
LQ48AAAALC	RA	AR1322031	R1	CG7479AM	150/-65	0	500	7	0
LQ48AAAALC	RA	AR1322035	R1	CG7531AMT	150/-65	0	100	16	0
LQ48AAAALC	RA	AR1322039	R1	CG7531AMT	150/-65	0	100	13	0
LQ48AAAALC	RA	AR1322042	R1	CG7531AMT	150/-65	0	100	19	0
LQ48AAAALC	RA	AR1322046	R1	CY8CTMA140-48LQI-01T	150/-65	0	100	19	0
LQ48AAAALC	RA	AR1322051	R1	CG7479AM	150/-65	0	100	19	0
LQ48AAAALC	RA	AR1322055	R1	CG7531AM	150/-65	0	100	19	0
LQ36ABAAAL	RA	AR1323016	R1	CG7459AMT	150/-65	0	100	19	0
LQ36ABAAAL	RA	AR1323020	R1	CY8CTMA140-LQI-09	150/-65	0	100	19	0
LQ24AAAAAL	RA	AR1323021	R1	CY8C20324-12LQXI	150/-65	0	100	19	0
LQ24AAAAAL	RA	AR1323028	R1	CP7505ATT	150/-65	0	100	19	0
LQ24AAAAALC	RA	AR1323029	R1	CS7223AA	150/-65	0	100	19	0
LQ36ABAAAL	RA	AR1323032	R1	CG7459AMT	150/-65	0	100	20	0



LQ36ABAAAL	RA	AR1323033	R1	CG7459AMT	150/-65	0	100	19	0
LQ36ABAAAL	RA	AR1323034	R1	CG7566AFT	150/-65	0	100	18	0
LQ24AAAAALC	RA	AR1323037	R1	CS7223AA	150/-65	0	100	19	0
LQ36ABAAAL	RA	AR1323039	R1	CY8CTMA140-LQI-09	150/-65	0	100	18	0
LQ36ABAAAL	RA	AR1323041	R1	CG7566AFT	150/-65	0	100	19	0
LQ36ABAAAL	RA	AR1323045	R1	CG7566AFT	150/-65	0	100	19	0
LQ36ABAAAL	RA	AR1323046	R1	CY8CTMA140-LQI-09T	150/-65	0	100	19	0
LQ36ABAAAL	RA	AR1323048	R1	CY8CTMA140-LQI-09T	150/-65	0	100	19	0
LQ36ABAAAL	RA	AR1323051	R1	CY8CTMA140-LQI-09T	150/-65	0	100	19	0
LQ36ABAAAL	RA	AR1324022	R1	CG7560AAT	150/-65	0	100	19	0
LQ36ABAAAL	RA	AR1324023	R1	CG7566AFT	150/-65	0	100	19	0
LQ56BAAAAAL	RA	AR1324029	R1	CG7662AAT	150/-65	0	100	19	0
LQ56BAAAAAL	RA	AR1324032	R1	CG7662AAT	150/-65	0	100	19	0
LQ56BAAAAAL	RA	AR1324040	R1	CG7662AAT	150/-65	0	100	19	0
LQ56BAAAAAL	RA	AR1324042	R1	CG7662AAT	150/-65	0	100	19	0
LQ56BAAAAAL	RA	AR1324046	R1	CG7662AAT	150/-65	0	100	19	0
LQ56BAAAAAL	RA	AR1325017	R1	CG7662AAT	150/-65	0	100	19	0
LQ56BAAAAAL	RA	AR1325019	R1	CG7662AAT	150/-65	0	100	19	0
LQ56BAAAAAL	RA	AR1325024	R1	CG7662AAT	150/-65	0	100	19	0
LQ56BAAAAAL	RA	AR1325025	R1	CG7662AAT	150/-65	0	100	19	0



LQ56BAAAAL	RA	AR1325031	R1	CG7662AAT	150/-65	0	100	19	0
LQ56BAAAAL	RA	AR1325035	R1	CG7662AAT	150/-65	0	100	19	0
LQ56BAAAAL	RA	AR1325039	R1	CG7662AAT	150/-65	0	100	19	0
LT48DQAAAAL	G	MR121056	R1	CY8C28623-24LTXIT	150/-65	0	1000	30	0
LT32BBAAAAL	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
LQ48AAAALC	RA	MR131094	R1	CY8C20667S-24LQXI	150/-65	0	500	45	0
LQ48AAAALC	RA	MR131094	R1	CY8C20667S-24LQXI	150/-65	0	1000	45	0
LQ48AAAALC	RA	MR131094	R2	CY8C20667-24LQXI	150/-65	0	500	45	0
LQ48AAAALC	RA	MR131094	R2	CY8C20667-24LQXI	150/-65	0	1000	45	0
LQ48AAAALC	RA	MR131094	R3	CY8C20647S-24LQXI	150/-65	0	500	45	0
LQ48AAAALC	RA	MR131094	R3	CY8C20647S-24LQXI	150/-65	0	1000	45	0
LQ48QAALC	G	MR132020	R1	CG7479AM	150/-65	0	500	28	0
LQ48QAALC	G	MR132020	R1	CG7479AM	150/-65	0	1000	28	0
LT68YAAAALC	G	MR132035	R3	CY8C3445LTI-079KG	150/-65	0	500	45	0

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

369

records

Sum

12219

0



QFN (Punch Type, Wettable Flank, Pb-Free)

LW56DGAZGL	L	121304	R1	CY8CTMA120-56LWXA	150/-65	0	500	85	0
LW56DGAZGL	L	121304	R1	CY8CTMA120-56LWXA	150/-65	0	1000	80	0
LW56DGAZGL	L	121304	R2	CY8CTMA120-56LWXA	150/-65	0	500	85	0
LW56DGAZGL	L	121304	R2	CY8CTMA120-56LWXA	150/-65	0	1000	80	0
LW56DGAZGL	L	121304	R3	CY8CTMA120-56LWXA	150/-65	0	500	85	0
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:
QFN (Punch Type, Wettable Flank, Pb-Free) 7 records

Sum 600 0

DFN, 0.8mm Thickness (Saw Type)

LH08AAALL	MB	MR123046	R1	CY14B101Q2-LHXI	150/-65	0	500	30	0
LH08AAALL	MB	MR123046	R1	CY14B101Q2-LHXI	150/-65	0	1000	30	0
LH08AAALL	MB	MR124022	R1	CY14B101Q2-LHXI	150/-65	0	500	30	0
LH08		MR123084	R1	FM25V20-DG	150/-65	0	100	76	0
LH08		MR123084	R1	FM25V20-DG	150/-65	0	500	76	0
LH08		MR123084	R1	FM25V20-DG	150/-65	0	1000	76	0
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
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Summary for Package Family: DFN (Pb-Free)

9 records

Sum							546	0
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QSOP (Pb-Free)

SQ2414ACGN	JT	AR1135050	R1	CY7C63823-QXC	150/-65	0	500	20	0
SQ2414ACGN	JT	AR1135050	R1	CY7C63823-QXC	150/-65	0	1000	20	0
SQ2414ACGN	JT	AR1136066	R1	CY7C63823-QXC	150/-65	0	500	19	0
SQ2414ACGN	JT	AR1136066	R1	CY7C63823-QXC	150/-65	0	1000	19	0
SQ2414ACGN	JT	AR1136071	R1	CY7C63823-QXC	150/-65	0	500	20	0
SQ2414ACGN	JT	AR1136071	R1	CY7C63823-QXC	150/-65	0	1000	20	0
SQ2414ACGN	JT	AR1136072	R1	CY7C63823-QXC	150/-65	0	500	20	0
SQ2414ACGN	JT	AR1136072	R1	CY7C63823-QXC	150/-65	0	1000	20	0
SQ2414ACGN	JT	AR1136074	R1	CY7C63823-QXC	150/-65	0	500	20	0
SQ2414ACGN	JT	AR1136074	R1	CY7C63823-QXC	150/-65	0	1000	20	0
SQ2414ACGN	JT	AR1137039	R1	CY7C63823-QXC	150/-65	0	500	20	0
SQ2414ACGN	JT	AR1137039	R1	CY7C63823-QXC	150/-65	0	1000	20	0
SQ2414ACGN	JT	AR1137040	R1	CY7C63823-QXC	150/-65	0	500	20	0
SQ2414ACGN	JT	AR1137040	R1	CY7C63823-QXC	150/-65	0	1000	20	0
SQ2414ACGN	JT	AR1137041	R1	CY7C63823-QXC	150/-65	0	500	20	0
SQ2414ACGN	JT	AR1137041	R1	CY7C63823-QXC	150/-65	0	1000	20	0



SQ2414ACGN	JT	AR1141026	R1	CY7C63823-QXC	150/-65	0	500	20	0
SQ2414ACGN	JT	AR1141026	R1	CY7C63823-QXC	150/-65	0	1000	20	0
SQ2414ACGN	JT	MR114029	R1	CY7C63823-QXC	150/-65	0	1000	23	0
SQ2414ACGN	JT	MR121036	R1	CY7C63823-QXC	150/-65	0	500	30	0
SQ2414ACGN	JT	MR123030	R1	CY7C63823-QXC	150/-65	0	500	28	0
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
Summary for Package Family: QSOP (Pb-Free)			24	records					
Sum								525	0
SNC (Pb-Free)									
SY2831BCLN	JT	AR1139019	R1	CG6715AMT	150/-65	0	500	20	0
SY2831BCLN	JT	AR1139019	R1	CG6715AMT	150/-65	0	1000	20	0
SY2831BHN	JT	MR123036	R1	CG7261AT	150/-65	0	500	30	0
SY2831BHN	JT	MR123036	R1	CG7261AT	150/-65	0	1000	29	0
SY2831BHN	JT	MR124037	R1	CY62256NLL-70SNXA	150/-65	0	500	30	0
SY2831BHN	JT	MR124037	R1	CY62256NLL-70SNXA	150/-65	0	1000	30	0



SY2831BHN	JT	MR132025	R1	CG7261ATT	150/-65	0	500	26	0
SY2831BHN	JT	MR132025	R1	CG7261ATT	150/-65	0	1000	26	0
Summary for Package Family: SNC (Pb-Free)			8	records					
Sum								211	0
SOIC									
S1615KDAGN	RA	MR123017	R1	CY2309SC-1H	150/-65	0	1000	30	0
S1615KDAGN	RA	MR123017	R1	CY2309SC-1H	150/-65	0	500	30	0
Summary for Package Family: SOIC			2	records					
Sum								60	0
SOIC (Pb Free)									
SZ815PAEGN	RA	MR122018	R1	CY2305SXI-1HT	150/-65	0	1000	30	0
SZ815YAALN	RA	122802	R1A	CY14E101Q2A-SXI	150/-65	0	500	76	0
SZ1615DGN	M	AR1121027	R1	CG7192AM	150/-65	0	1000	20	0
SZ183CPEAN	RA	AR1129009	R1	CY7C63723C-SXC	150/-65	0	500	18	0
SZ0815TAGN	T	AR1139050	R1	CY25422FSXI	150/-65	0	500	20	0
SZ0815TAGN	T	AR1139050	R1	CY25422FSXI	150/-65	0	1000	20	0
SZ815CGAN	M	AR1143066	R1	CY8C24123A-24SXI	150/-65	0	500	20	0
SZ815CGAN	M	AR1143066	R1	CY8C24123A-24SXI	150/-65	0	1000	20	0
SZ815PAFGN	RA	AR1144010	R1	CY2305CSXC-1HT	150/-65	0	500	19	0
SZ815PAFGN	RA	AR1144010	R1	CY2305CSXC-1HT	150/-65	0	1000	19	0



SZ815CGAN	M	AR1147062	R1	CY25562SXCT	150/-65	0	500	20	0		
SZ815CGAN	M	AR1147062	R1	CY25562SXCT	150/-65	0	1000	20	0		
SZ183CPEAN	RA	AR1149008	R1	CY7C63723C-SXC	150/-65	0	500	20	0		
SZ183CPBAN	RA	AR1151008	R1	CY7C63813-SXC	150/-65	0	500	20	0		
SZ183CPEAN	RA	AR1152008	R1	CY7C63723C-SXC	150/-65	0	500	20	0		
SZ815PADGN	RA	AR1202010	R1	CY2305CSXC-1T	150/-65	0	500	17	0		
SZ815PADGN	RA	AR1202010	R1	CY2305CSXC-1T	150/-65	0	1000	17	0		
SZ183CPBAN	RA	AR1203008	R1	CY7C63813-SXC	150/-65	0	500	20	7	AR1203008-1T1	Cut Wedge
SZ183CPBAN	RA	AR1205008	R1	CY7C63813-SXC	150/-65	0	500	20	0		
SZ183CPBAN	RA	AR1205008	R1	CY7C63813-SXC	150/-65	0	1000	20	0		
SZ183CPEAN	RA	AR1206008	R1	CY7C63723C-SXC	150/-65	0	500	17	0		
SZ815PAFGN	RA	AR1206010	R1	CY2305CSXC-1HT	150/-65	0	500	20	0		
SZ815PAFGN	RA	AR1206010	R1	CY2305CSXC-1HT	150/-65	0	1000	20	0		
SZ183CPBAN	RA	AR1213009	R1	CY7C63813-SXC	150/-65	0	500	20	0		
SZ815PAFGN	RA	AR1213010	R1	CY2305CSXC-1HT	150/-65	0	500	20	0		
SZ815PAFGN	RA	AR1213010	R1	CY2305CSXC-1HT	150/-65	0	1000	20	0		
SZ183CPEAN	RA	AR1216008	R1	CY7C63723C-SXC	150/-65	0	500	20	0		
SZ183CPEAN	RA	AR1217008	R1	CY7C63723C-SXC	150/-65	0	500	20	0		
SZ183CPEAN	RA	AR1221009	R1	CY7C63723C-SXC	150/-65	0	500	20	8	AR1221009-1T1	Cut Wedge
SZ183CPEAN	RA	AR1222008	R1	CY7C63723C-SXC	150/-65	0	500	20	14	AR1222008-1T1	Cut Wedge



SZ183CPEAN	RA	AR1224009	R1	CY7C63723C-SXC	150/-65	0	500	20	7	AR1224009-1T1	Cut Wedge
SZ183CPEAN	RA	AR1226008	R1	CY7C63723C-SXC	150/-65	0	500	20	5	AR1226008-1T1	Cut Wedge
SZ183CPEAN	RA	AR1226009	R1	CY7C63723C-SXC	150/-65	0	500	20	8	AR1226009-1T1	Cut Wedge
SZ283ACGAS	M	AR1226034	R1	STK11C88-NF25I	150/-65	0	500	20	0		
SZ283ACGAS	M	AR1226034	R1	STK11C88-NF25I	150/-65	0	1000	20	0		
SZ183CPBAN	RA	AR1227003	R1	CY7C63813-SXC	150/-65	0	500	18	6	AR1227003-1T1	Cut Wedge
SZ183CPEAN	RA	AR1229003	R1	CY7C63723C-SXC	150/-65	0	500	20	6	AR1229003-1T1	Cut Wedge
SZ183CPEAN	RA	AR1230003	R1	CY7C63723C-SXC	150/-65	0	500	17	9	AR1230003-1T1	Cut Wedge
SZ815PAFGN	RA	AR1230004	R1	CY2305CSXC-1HT	150/-65	0	500	17	0		
SZ815PAFGN	RA	AR1230004	R1	CY2305CSXC-1HT	150/-65	0	1000	17	0		
SZ323AEGAS	M	AR1230037	R1	CY14B256LA-SZ25XIT	150/-65	0	500	20	0		
SZ323AEGAS	M	AR1230037	R1	CY14B256LA-SZ25XIT	150/-65	0	1000	20	0		
SZ815PADGN	RA	AR1234004	R1	CY23EP05SXC-1HT	150/-65	0	500	15	0		
SZ815PADGN	RA	AR1234004	R1	CY23EP05SXC-1HT	150/-65	0	1000	15	0		
SZ24315EGN	RA	MR114020	R1	CY7C63743C-SXCT	150/-65	0	1000	30	0		
SZ1615BKGN	RA	MR121006	R1	CY8C21234-24SXI	150/-65	0	500	30	0		
SZ1615BKGN	RA	MR121006	R1	CY8C21234-24SXI	150/-65	0	1000	30	0		
SZ32451BLN	JT	MR121010	R1	CY7C53120E2-10SXI	150/-65	0	500	30	0		
SZ24315DGN	RA	MR121011	R1	CY7C63823-SXC	150/-65	0	500	30	0		
SZ24315DGN	RA	MR121011	R1	CY7C63823-SXC	150/-65	0	1000	30	0		



SZ0815TAGN	T	MR121045	R1	CY25422FSXI	150/-65	0	2000	30	0
SZ0815TAGN	T	MR121045	R1	CY25422FSXI	150/-65	0	3000	30	0
SZ1615DGN	M	MR121048	R1	CY8C21234-24SXI	150/-65	0	1000	30	0
SZ1615BKGN	RA	MR122001	R1	CY8C21234-24SXI	150/-65	0	1000	30	0
SZ324513AN	JT	MR122012	R1	CY62128BNLL-70SXET	150/-65	0	1000	26	0
SZ32451DLL	JT	MR122039	R1	CY62138FV30LL-45SXI	150/-65	0	1000	30	0
SZ2035BAAL	JT	MR122048	R1	CY8C27243-24SXIT	150/-65	0	500	30	0
SZ2035BAAL	JT	MR122048	R1	CY8C27243-24SXIT	150/-65	0	1000	30	0
SZ815CGAAS	M	MR123007	R1	CY2305CSXA-1HT	150/-65	0	500	30	0
SZ815CGAAS	M	MR123007	R1	CY2305CSXA-1HT	150/-65	0	1000	28	0
SZ183CPBAN	RA	MR123024	R1	CY7C63813-SXC	150/-65	0	500	30	0
SZ815YAALN	RA	122802	R1A	CY14E101Q2A-SXI	150/-65	0	1000	76	0
SZ815DAGN	M	AR1234030	R1	CY2300SXCT	150/-65	0	500	19	0
SZ815DAGN	M	AR1234030	R1	CY2300SXCT	150/-65	0	1000	19	0
SZ323AEGAS	M	MR114024	R1	CY14B101LA-SZ45XIT	150/-65	0	500	30	0
SZ32451BLN	JT	MR121010	R1	CY7C53120E2-10SXI	150/-65	0	1000	22	0
SZ323AEGAS	M	MR121044	R1	CY14E256LA-SZ25XI	150/-65	0	500	29	0
SZ1615FAL	T	MR122044	R1	CY8C20180-SX2I	150/-65	0	500	30	0
SZ32451DLL	JT	MR123019	R1	CY62148ELL-55SXI	150/-65	0	500	30	0
SZ163DAALL	M	MR123047	R1	CY14B101P-SFXIT	150/-65	0	500	30	0



SZ1615FAL	T	MR123049	R1	CY8C20160-SX2IT	150/-65	0	500	30	0
SZ815CGAAS	M	MR124031	R1	CY2305CSXA-1HT	150/-65	0	500	19	0
SZ815CGAAS	M	MR124031	R1	CY2305CSXA-1HT	150/-65	0	1000	19	0
SZ324513AN	JT	MR124038	R1	CY62128BNLL-70SXAT	150/-65	0	500	30	0
SZ323AEGAS	M	MR124089	R1	CY14B256LA-SZ45XIT	150/-65	0	500	77	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
SZ183CPBAN	RA	AR1242002	R1	CY7C63813-SXC	150/-65	0	500	19	0
SZ183CPBAN	RA	AR1248002	R1	CY7C63813-SXC	150/-65	0	500	20	0
SZ1615KBGN	RA	AR1249004	R1	CG7192AM	150/-65	0	500	18	0
SZ1615KBGN	RA	AR1249004	R1	CG7192AM	150/-65	0	1000	18	0
SZ1615KFGN	RA	AR1250004	R1	CY2308SXC-1T	150/-65	0	500	18	0
SZ1615KFGN	RA	AR1250004	R1	CY2308SXC-1T	150/-65	0	1000	18	0
SZ183CPEAN	RA	AR1306020	R1	CY7C63723C-SXC	150/-65	0	500	24	0
SZ183CPBAN	RA	AR1307016	R1	CY7C63813-SXC	150/-65	0	100	77	0
SZ183CPEAN	RA	AR1307017	R1	CY7C63723C-SXC	150/-65	0	300	25	0
SZ183CPEAN	RA	AR1307018	R1	CY7C63723C-SXCT	150/-65	0	300	25	0
SZ183CPBAN	RA	AR1307019	R1	CY7C63813-SXC	150/-65	0	300	25	0
SZ183CPBAN	RA	AR1307020	R1	CY7C63813-SXC	150/-65	0	300	25	0
SZ183CPBAN	RA	AR1307021	R1	CY7C63813-SXC	150/-65	0	300	25	0



SZ183CPBAN	RA	AR1307021	R1	CY7C63813-SXC	150/-65	0	500	25	0
SZ183CPBAN	RA	AR1308015	R1	CY7C63813-SXC	150/-65	0	100	25	0
SZ183CPBAN	RA	AR1308015	R1	CY7C63813-SXC	150/-65	0	300	25	0
SZ183CPBAN	RA	AR1308016	R1	CY7C63813-SXC	150/-65	0	100	25	0
SZ183CPEAN	RA	AR1308017	R1	CY7C63723C-SXC	150/-65	0	300	25	0
SZ183CPEAN	RA	AR1308028	R1	CY7C63723C-SXC	150/-65	0	300	25	0
SZ183CPEAN	RA	AR1308044	R1	CY7C63723C-SXC	150/-65	0	300	25	0
SZ183CPEAN	RA	AR1308045	R1	CY7C63723C-SXC	150/-65	0	300	25	0
SZ183CPEAN	RA	AR1308046	R1	CY7C63723C-SXC	150/-65	0	300	25	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
SZ815PADGN	RA	121408	R1	CY25402SXC-008	150/-65	0	2000	84	0
SZ815PADGN	RA	121408	R2	CY25402SXC-008	150/-65	0	2000	115	0
SZ815PADGN	RA	121408	R3	CY25402SXC-008	150/-65	0	2000	115	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
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
SZ815DAGN	M	AR1313031	R1	CY2305SXC-1HT	150/-65	0	500	19	0
SZ815DAGN	M	AR1313031	R1	CY2305SXC-1HT	150/-65	0	1000	19	0
SZ815CGAN	M	AR1314026	R1	CY2305CSXC-1HT	150/-65	0	500	20	0
SZ1615DGN	M	AR1314027	R1	CY2292FXI	150/-65	0	500	20	0



SZ323AEGAS	M	MR121044	R1	CY14E256LA-SZ25XI	150/-65	0	1000	28	0
SZ183CEAN	RA	MR131031	R1	CY7C63723C-SXC	150/-65	0	500	30	0
SZ815JRALL	UT	MR131092	R1	FM24CL64B	150/-65	0	500	38	0
SZ815JRALL	UT	MR131092	R1A	FM24CL64B	150/-65	0	500	42	0
SZ815JRALL	UT	MR131092	R2	FM24CL64B	150/-65	0	500	43	0
SZ815JRALL	UT	MR131092	R2B	FM24CL64B	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	MR123083	R1	FM25V20-G	150/-65	0	100	76	0
SZ08	UT	MR123083	R1	FM25V20-G	150/-65	0	500	76	0
SZ08	UT	MR123083	R1	FM25V20-G	150/-65	0	1000	76	0
SZ08	UT	MR124075	R1	FM24C04B-G	150/-65	0	100	76	0
SZ08	UT	MR124075	R1	FM24C04B-G	150/-65	0	500	76	0
SZ08	UT	MR124075	R1	FM24C04B-G	150/-65	0	1000	76	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
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
Summary for Package Family: SOIC (Pb Free)			161	records					
Sum								6147	70
SOJ									
V243GAAAGN	X	MR113065	R1	CY7C197BN-15VC	150/-65	0	1000	30	0
V243GAAAGN	X	MR113065	R1	CY7C197BN-15VC	150/-65	0	500	30	0
V2835BGBLN	JT	MR131022	R1	CY7C185-15VIT	150/-65	0	500	30	0
V2835BGBLN	JT	MR132043	R1	CY7C185-15VI	150/-65	0	1000	27	0
Summary for Package Family: SOJ			4	records					
Sum								117	0



SOJ (Pb-Free)

VZ28311KLL	R	MR113064	R1	CY7C1399BN-15VXAT	150/-65	0	1000	29	0
VZ32314CCL	JT	MR121024	R1	CY7C1009D-10VXI	150/-65	0	500	30	0
VZ444ADCLN	JT	MR122038	R1	CY7C1041D-10VXIT	150/-65	0	500	30	0
VZ444ADCLN	JT	MR122038	R1	CY7C1041D-10VXIT	150/-65	0	1000	30	0
VZ28313CLN	JT	MR122050	R1	CY7C1399BN-12VXI	150/-65	0	500	30	0
VZ32314CCL	JT	MR123033	R1	CY7C1018DV33-10VXIT	150/-65	0	500	30	0
VZ32314CCL	JT	MR123033	R1	CY7C1018DV33-10VXIT	150/-65	0	1000	30	0
VZ2847AAAR	OP	MR114074	R1	CY7C107D-10VXI	150/-65	0	500	30	0
VZ2847AAAR	OP	MR114074	R1	CY7C107D-10VXI	150/-65	0	1000	30	0
VZ28313CLN	JT	MR122050	R1	CY7C1399BN-12VXI	150/-65	0	1000	28	0
VZ444ACCLN	JT	MR124002	R1	CY7C1021D-10VXIT	150/-65	0	500	30	0
VZ444ACCLN	JT	MR124002	R1	CY7C1021D-10VXIT	150/-65	0	1000	30	0
VZ28314CLN	JT	MR132028	R1	CY7C199D-10VXIT	150/-65	0	500	30	0

Summary for Package Family: SOJ (Pb-Free)

13 records

Sum

387 0

SSOP (Pb-Free)

SP202AACGN	RA	AR1105013	R1	CY8C21334-24PVXI	150/-65	0	1000	16	0
SP2822BGL	M	AR1130031	R1	CY8C21534-24PVXAT	150/-65	0	500	20	0
SP2822BGL	M	AR1130031	R1	CY8C21534-24PVXAT	150/-65	0	1000	20	0



SP2822BGL	M	AR1130032	R1	CY8C21534-24PVXA	150/-65	0	500	20	0
SP2822BGL	M	AR1130032	R1	CY8C21534-24PVXA	150/-65	0	1000	20	0
SP282ABBGN	RA	AR1141013	R1	CY7C64215-28PVXC	150/-65	0	500	17	0
SP282ABBGN	RA	AR1141013	R1	CY7C64215-28PVXC	150/-65	0	1000	17	0
SP2822BGL	M	AR1143060	R1	CY8C21534-24PVXAT	150/-65	0	500	18	0
SP2822BGL	M	AR1143060	R1	CY8C21534-24PVXAT	150/-65	0	1000	18	0
SP2822BGL	M	AR1143061	R1	CP6801ATT	150/-65	0	500	20	0
SP2822BGL	M	AR1143061	R1	CP6801ATT	150/-65	0	1000	20	0
SP2023GAL	T	AR1143063	R1	CY8C24223A-24PVXI	150/-65	0	500	20	0
SP2023GAL	T	AR1143063	R1	CY8C24223A-24PVXI	150/-65	0	1000	20	0
SP483EBCAL	JT	AR1144019	R1	CY8C29666-24PVXIT	150/-65	0	500	20	0
SP483EBCAL	JT	AR1144019	R1	CY8C29666-24PVXIT	150/-65	0	1000	20	0
SP483EBCAL	JT	AR1145019	R1	CY8C29666-24PVXIT	150/-65	0	500	20	0
SP483EBCAL	JT	AR1145019	R1	CY8C29666-24PVXIT	150/-65	0	1000	20	0
SP483EBCAL	JT	AR1146019	R1	CY8C29666-24PVXI	150/-65	0	500	20	0
SP483EBCAL	JT	AR1146019	R1	CY8C29666-24PVXI	150/-65	0	1000	20	0
SP483EBCAL	JT	AR1201019	R1	CY8C29666-24PVXI	150/-65	0	500	20	0
SP483EBCAL	JT	AR1201019	R1	CY8C29666-24PVXI	150/-65	0	1000	20	0
SP483EBCAL	JT	AR1202021	R1	CY8C29666-24PVXI	150/-65	0	500	20	0
SP483EBCAL	JT	AR1202021	R1	CY8C29666-24PVXI	150/-65	0	1000	20	0



SP483EBCAL	JT	AR1203019	R1	CY8C29666-24PVXI	150/-65	0	500	20	0
SP483EBCAL	JT	AR1203019	R1	CY8C29666-24PVXI	150/-65	0	1000	20	0
SP282ABAGN	RA	AR1206013	R1	CY8C27443-24PVXI	150/-65	0	500	17	0
SP282ABAGN	RA	AR1206013	R1	CY8C27443-24PVXI	150/-65	0	1000	17	0
SP483MBBGN	RA	AR1218008	R1	CY8C29666-24PVXI	150/-65	0	500	20	0
SP483MBBGN	RA	AR1218008	R1	CY8C29666-24PVXI	150/-65	0	1000	20	0
SP282ABBGN	RA	AR1218013	R1	CY8C21534-24PVXI	150/-65	0	500	20	0
SP282ABBGN	RA	AR1218013	R1	CY8C21534-24PVXI	150/-65	0	1000	20	0
SP483EBCAL	JT	AR1221023	R1	CY8C27643-24PVXIT	150/-65	0	500	20	0
SP202AACGN	RA	AR1222013	R1	CY8C21334-24PVXIT	150/-65	0	500	20	0
SP202AACGN	RA	AR1222013	R1	CY8C21334-24PVXIT	150/-65	0	1000	20	0
SP2822BGL	M	AR1226028	R1	CP7407ATT	150/-65	0	500	20	0
SP2822BGL	M	AR1226028	R1	CP7407ATT	150/-65	0	1000	20	0
SP202AACGN	RA	AR1227009	R1	CY8C24223A-24PVXI	150/-65	0	500	19	0
SP202AACGN	RA	AR1227009	R1	CY8C24223A-24PVXI	150/-65	0	1000	19	0
SP202AABGN	RA	AR1228009	R1	CY8C24223A-24PVXIT	150/-65	0	500	19	0
SP202AABGN	RA	AR1228009	R1	CY8C24223A-24PVXIT	150/-65	0	1000	19	0
SP483MBBGN	RA	AR1229002	R1	CY8C29666-24PVXIT	150/-65	0	500	20	0
SP282ABBGN	RA	AR1232009	R1	CY7C64215-28PVXC	150/-65	0	500	20	0
SP282ABBGN	RA	AR1232009	R1	CY7C64215-28PVXC	150/-65	0	1000	20	0



SP483EBCAL	JT	AR1232017	R1	CY8C27643-24PVXI	150/-65	0	500	19	0
SP483EBCAL	JT	AR1232017	R1	CY8C27643-24PVXI	150/-65	0	1000	19	0
SP282ABBGN	RA	AR1234009	R1	CY8C29466-24PVXI	150/-65	0	500	17	0
SP282ABBGN	RA	AR1234009	R1	CY8C29466-24PVXI	150/-65	0	1000	17	0
SP483MBBGN	RA	MR114067	R1	CY8C3246PVI-147	150/-65	0	1000	28	0
SP28213GL	T	MR114080	R1	CY8C29466-24PVXI	150/-65	0	1500	30	0
SP28213GL	T	MR114080	R1	CY8C29466-24PVXI	150/-65	0	2000	30	0
SP28213GL	T	MR114080	R1	CY8C29466-24PVXI	150/-65	0	2500	30	0
SP563DBCNG	JT	MR121016	R1	CY7C68013A-56PVXC	150/-65	0	1000	30	0
SP483FBKGN	RA	MR121019	R1	CY8C20536A-24PVXIT	150/-65	0	500	30	0
SP483FBKGN	RA	MR122003	R1	CY8C20536A-24PVXIT	150/-65	0	500	30	0
SP2822BGL	M	MR122006	R1	CY8C21534-12PVXET	150/-65	0	1000	24	0
SP483FBKGN	RA	MR123016	R1	CY8C20546A-24PVXIT	150/-65	0	500	30	0
SP483EBCAL	JT	AR1221023	R1	CY8C27643-24PVXIT	150/-65	0	1000	20	0
SP483MBBGN	RA	AR1229002	R1	CY8C29666-24PVXIT	150/-65	0	1000	20	0
SP2822BGL	M	AR1234034	R1	CY8C21512-24PVXAT	150/-65	0	500	20	0
SP2822BGL	M	AR1234034	R1	CY8C21512-24PVXAT	150/-65	0	1000	20	0
SP282ABBGN	RA	AR1238009	R1	CY7C64215-28PVXC	150/-65	0	500	19	0
SP282ABBGN	RA	AR1238009	R1	CY7C64215-28PVXC	150/-65	0	1000	19	0
SP2822BGL	M	AR1239020	R1	CY8C21534-12PVXET	150/-65	0	500	18	0



SP2822BGL	M	AR1239020	R1	CY8C21534-12PVXET	150/-65	0	1000	18	0
SP282ABAGN	RA	AR1243009	R1	CY8C20524-12PVXI	150/-65	0	500	19	0
SP282ABAGN	RA	AR1243009	R1	CY8C20524-12PVXI	150/-65	0	1000	19	0
SP28213GL	T	MR114080	R1	CY8C29466-24PVXI	150/-65	0	3000	30	0
SP483FBKGN	RA	MR123016	R1	CY8C20546A-24PVXIT	150/-65	0	1000	30	0
SP28214GL	T	MR123055	R1	CY8C9520A-24PVXI	150/-65	0	500	30	0
SP28214GL	T	MR123055	R1	CY8C9520A-24PVXI	150/-65	0	1000	30	0
SP483FBKGN	RA	MR124020	R1	CY8C20566A-24PVXIT	150/-65	0	1000	24	0
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
SP202AABGN	RA	AR1244009	R1	CY8C24223A-24PVXI	150/-65	0	500	20	0
SP202AABGN	RA	AR1244009	R1	CY8C24223A-24PVXI	150/-65	0	1000	20	0
SP282ABBGN	RA	AR1246009	R1	CY8C21534-24PVXIT	150/-65	0	500	20	0
SP282ABBGN	RA	AR1246009	R1	CY8C21534-24PVXIT	150/-65	0	1000	20	0
SP282ABBGN	RA	AR1248009	R1	CG7264AM	150/-65	0	500	20	0
SP282ABBGN	RA	AR1248009	R1	CG7264AM	150/-65	0	1000	20	0
SP202AABGN	RA	AR1302009	R1	CY8C21334-24PVXIT	150/-65	0	500	20	0
SP202AABGN	RA	AR1302009	R1	CY8C21334-24PVXIT	150/-65	0	1000	20	0
SP483MBBGN	RA	AR1308042	R1	CY8C29666-24PVXIT	150/-65	0	300	25	0



SP483MBBGN	RA	AR1308047	R1	CY8C29666-24PVXI	150/-65	0	300	25	0
SP563DBC GN	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
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
SP202AAGNC	RA	MR131093	R2	CY8C27243-24PVXIKA	150/-65	0	500	45	0
SP282ABBG N	RA	122003	R1	CY8C21534B-24PVXI	150/-65	0	500	80	0
SP282ABBG N	RA	122003	R1	CY8C21534B-24PVXI	150/-65	0	1000	80	0
SP282ABBG N	RA	122003	R2	CY8C21534B-24PVXI	150/-65	0	500	80	0
SP282ABBG N	RA	122003	R2	CY8C21534B-24PVXI	150/-65	0	1000	80	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
SP483FBKGN	RA	AR1308035	R1	CS6681BM	150/-65	0	500	25	0



SP483FBKGN	RA	AR1308036	R1	CS6681BM	150/-65	0	500	25	0
SP483FBKGN	RA	AR1308037	R1	CS6681BM	150/-65	0	500	25	0
SP483FBKGN	RA	AR1308038	R1	CS6681BM	150/-65	0	500	25	0
SP483FBKGN	RA	AR1309019	R1	CS6681BM	150/-65	0	500	25	0
SP282ABBGN	RA	AR1316009	R1	CY8C21534-24PVXIT	150/-65	0	500	20	0
SP282ABBGN	RA	AR1320009	R1	CG7264AM	150/-65	0	500	20	0
SP2024CAGL	M	MR131042	R1	CY8C21334-24PVXAT	150/-65	0	1000	29	0
SP282ABBGN	RA	MR131057	R1	CY8C24533-24PVXI	150/-65	0	500	30	0
SP282ABBGN	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
SP563DBCNG	JT	MR132036	R1	CY7C68013A-56PVXC	150/-65	0	500	30	0
SP483FBBGN	RA	MR132045	R1	CY7C63413C-PVXC	150/-65	0	500	30	0

Summary for Package Family: SSOP (Pb-Free) 121

records

Sum

3529 0



TQFP (Pb-Free)

AZ100SFBAL	RA	101101	R1	CY8C3866AXI-040ES3	150/-65	0	1000	75	0
AZ100SFKAL	R	120402	R2	CY8C3866AXI-040ES4	150/-65	0	1000	79	0
AZ100SFKAL	R	120402	R3	CY8C3866AXI-040ES4	150/-65	0	1000	79	0
AZ100RUBLN	R	MR113022	R1	CY7C1350G-200AXC	150/-65	0	2000	30	0
AZ100RUBLN	R	MR113022	R1	CY7C1350G-200AXC	150/-65	0	2500	30	0
AZ100SFGAL	JT	MR114068	R1	CY8C3245AXI-158	150/-65	0	500	30	0
AZ32BXGAN	Q	MR122024	R1	CY7C4201V-15AXC	150/-65	0	1000	30	0
AZ128BGAL	G	MR122030	R1	CY7C64713-128AXC	150/-65	0	1000	29	0
AZ128BGAL	G	MR122030	R1	CY7C64713-128AXC	150/-65	0	500	29	0
AZ64JAAALL	M	MR123004	R1	CY7C144E-15AXC	150/-65	0	500	30	0
AZ64JAAALL	M	MR123004	R1	CY7C144E-15AXC	150/-65	0	1000	30	0
AZ100RUBLN	R	MR113022	R1	CY7C1350G-200AXC	150/-65	0	3000	30	0
AZ100KGAN	G	MR123041	R1	CY7C024AV-25AXC	150/-65	0	500	30	0
AZ100KGAN	G	MR123041	R1	CY7C024AV-25AXC	150/-65	0	1000	30	0
AZ64JAAALL	M	MR124007	R1	CY7C144E-55AXC	150/-65	0	500	30	0
AZ64JAAALL	M	MR124007	R1	CY7C144E-55AXC	150/-65	0	1000	30	0
AZ100RJBLN	R	MR124034	R1	CY7C1350G-200AXCT	150/-65	0	500	30	0
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
AZ100RBCLN	JT	115105	R2A	7C1370X	150/-65	0	500	77	0
AZ100RBCLN	JT	115105	R2A	7C1370X	150/-65	0	1000	77	0
AZ100RBCLN	JT	115105	R2B	7C1370X	150/-65	0	500	77	0
AZ100RBCLN	JT	115105	R2B	7C1370X	150/-65	0	1000	77	0
AZ100RBCLN	JT	115105	R2C	7C1370X	150/-65	0	500	77	0
AZ100RBCLN	JT	115105	R2C	7C1370X	150/-65	0	1000	77	0
AZ100SFELL	RA	120501	R1	CY8C5888AXI-LP061ES	150/-65	0	500	80	0
AZ100SFELL	RA	120501	R1	CY8C5888AXI-LP061ES	150/-65	0	1000	80	0
AZ100SFEAL	JT	124802	R2	CY8CTMA884AA-13	150/-65	0	500	80	0
AZ100SFEAL	JT	124802	R3	CY8CTMA616AA-13	150/-65	0	500	77	0
AZ100SFEAL	JT	124802	R1	CY8CTMA884AE-13	150/-65	0	500	85	0
AZ100SFEAL	JT	124802	R2	CY8CTMA884AA-13	150/-65	0	1000	80	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
Summary for Package Family: TQFP (Pb-Free)			51	records					
Sum								2556	0
TSOP (Pb-free)									
ZT32RBBALL	T	MR114065	R1	CY62128ELL-45ZXA	150/-65	0	1000	29	0
ZT32RBBALL	T	MR121034	R1	CY62128ELL-45ZXA	150/-65	0	1000	29	0
ZT28R2ABGN	JT	MR121061	R1	CY62256NLL-55ZXAT	150/-65	0	1000	6	0
ZT28R2ABGN	JT	MR121061	R1	CY62256NLL-55ZXAT	150/-65	0	500	7	0
ZT28R2ABGN	JT	MR122035	R1	CY7C62256NLL-55ZXA	150/-65	0	1000	29	0



ZT28R2ABGN	JT	MR122035	R1	CY7C62256NLL-55ZXAX	150/-65	0	500	30	0
ZT32RABALL	T	MR122042	R1	CY62128EV30LL-45ZXIT	150/-65	0	1000	30	0
ZT32RABALL	T	MR122042	R1	CY62128EV30LL-45ZXIT	150/-65	0	500	30	0
ZT28R2ABGN	JT	MR123009	R1	CY62256NLL-55ZXAT	150/-65	0	500	30	0
ZT32RAEDLN	RA	MR123031	R1	CY62128EV30LL-45ZXI	150/-65	0	500	30	0
ZT28R2ABGN	JT	MR121061	R1	CY62256NLL-55ZXAT	150/-65	0	500	21	0
ZT28R2ABGN	JT	MR121061	R1	CY62256NLL-55ZXAT	150/-65	0	1000	21	0
ZT28R2ABGN	JT	MR123009	R1	CY62256NLL-55ZXAT	150/-65	0	1000	29	0
ZT32RAEDLN	RA	MR123031	R1	CY62128EV30LL-45ZXI	150/-65	0	1000	30	0
ZT32RAEDLN	RA	MR124003	R1	CY62128EV30LL-45ZXIT	150/-65	0	500	30	0
ZT32RAEDLN	RA	MR124003	R1	CY62128EV30LL-45ZXIT	150/-65	0	1000	29	0
ZT28R2ABGN	JT	MR124039	R1	CY62256NLL-55ZXAT	150/-65	0	500	30	0
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
Summary for Package Family: TSOP (Pb-free)			25	records					
Sum								679	0
TSOP I (Pb-Free)									
ZB32RHABLN	JT	MR122021	R1	CY62138FV30LL-45ZAXA	150/-65	0	1000	29	0
ZB32RHABLN	JT	MR122021	R1	CY62138FV30LL-45ZAXA	150/-65	0	500	30	0
ZB32RHABLN	JT	MR123001	R1	CY62138FV30LL-45ZAXAT	150/-65	0	1000	29	0
ZB32RHABLN	JT	MR123001	R1	CY62138FV30LL-45ZAXAT	150/-65	0	500	30	0
ZB32RHBLN	JT	MR131025	R1	CY62148ESL-55ZAXAT	150/-65	0	500	30	0
ZB32RHCALN	JT	MR132033	R1	CY62128EV30LL-45ZAXIT	150/-65	0	500	29	0
Summary for Package Family: TSOP I (Pb-Free)			6	records					
Sum								177	0
TSOP II (Pb-Free)									
ZW444AJLN	R	AR1118002	R1	7A122001GC	150/-65	0	1000	20	0
ZW444AMLN	R	AR1125002	R1	7A62146FC	150/-65	0	1000	20	0
ZW444AMLN	R	AR1126002	R1	CY62146ELL-45ZSXA	150/-65	0	1000	20	0
ZW444YBLL	R	MR113006	R1	CY7C1041BN-15ZXIT	150/-65	0	2000	23	0
ZW444YBLL	R	MR113006	R1	CY7C1041BN-15ZXIT	150/-65	0	1500	29	0



ZW324CBALR	T	MR114005	R1	CY62148EV30LL-45ZSXAT	150/-65	0	500	27	0
ZW444AHLL	R	MR114007	R1	CY62126EV30LL-55ZSXE	150/-65	0	1000	30	0
ZW444ABXAGL	RA	MR114027	R1	CY62137EV30LL-45ZSXI	150/-65	0	1000	30	0
ZW444ALLR	G	MR114043	R1	CY7C1051DV33-10ZSXI	150/-65	0	1000	30	0
ZW324CBALR	T	MR114057	R1	CY62148EV30LL-45ZSXAT	150/-65	0	500	30	0
ZW324CBALR	T	MR114057	R1	CY62148EV30LL-45ZSXAT	150/-65	0	1000	30	0
ZW444AKCLN	R	MR114064	R1	CY7C1011CV33-12ZSXE	150/-65	0	500	29	0
ZW444AXAGL	RA	MR121003	R1	CY7C1021D-10ZSXIT	150/-65	0	500	30	0
ZW444AXAGL	RA	MR121003	R1	CY7C1021D-10ZSXIT	150/-65	0	1000	30	0
ZW444ADXAGL	RA	MR121018	R1	CY14B104NA-ZS45XIT	150/-65	0	500	30	0
ZW444ADXAGL	RA	MR121018	R1	CY14B104NA-ZS45XIT	150/-65	0	1000	30	0
ZW544AALL	G	MR121022	R1	CY7C1069AV33-10ZXCT	150/-65	0	500	28	0
ZW544AALL	G	MR121022	R1	CY7C1069AV33-10ZXCT	150/-65	0	1000	28	0
ZW324FBGL	T	MR121026	R1	CY7C1019CV33-10ZXAX	150/-65	0	500	29	0
ZW324FBGL	T	MR121026	R1	CY7C1019CV33-10ZXAX	150/-65	0	1000	28	0
ZW444AIDLL	JT	MR121037	R1	CY62126EV30LL-45XIKJ	150/-65	0	500	29	0
ZW444AIDLL	JT	MR121037	R1	CY62126EV30LL-45XIKJ	150/-65	0	1000	29	0
ZW444VDLL	JT	MR121057	R1	CY62147EV30LL-45XAKJ	150/-65	0	500	30	0
ZW444RACLN	JT	MR122013	R1	CY62137VNLL-70ZSXA	150/-65	0	500	24	0
ZW324FBGL	T	MR122036	R1	CY7C1019CV33-10ZXAX	150/-65	0	500	29	0



ZW324FBGL	T	MR122036	R1	CY7C1019CV33-10ZX	150/-65	0	1000	28	0
ZW54BGALL	G	MR122040	R1	CY7C1069DV33-10ZSXI	150/-65	0	500	29	0
ZW54BGALL	G	MR122040	R1	CY7C1069DV33-10ZSXI	150/-65	0	1000	29	0
ZW44AXXAGL	RA	MR122041	R1	CY14B101LA-ZS45XI	150/-65	0	500	30	0
ZW44AXXAGL	RA	MR122041	R1	CY14B101LA-ZS45XI	150/-65	0	1000	30	0
ZW444AOLN	JT	MR123002	R1	CY62146ELL-45ZSXA	150/-65	0	500	30	0
ZW324FBGL	T	MR123010	R1	CY7C1019CV33-10ZXAT	150/-65	0	500	29	0
ZW324FBGL	T	MR123010	R1	CY7C1019CV33-10ZXAT	150/-65	0	1000	28	0
ZW544AALL	G	MR123028	R1	CY7C1069AV33-10ZXC	150/-65	0	500	30	0
ZW444ALLR	G	MR123045	R1	CY7C1051DV33-12ZSXIT	150/-65	0	500	30	0
ZW444AXAGL	RA	122201	R1	CY7C1021D-10ZSXIT	150/-65	0	500	76	0
ZW444AMLN	R	AR1139002	R1	7A62146FC	150/-65	0	500	20	0
ZW444AMLN	R	AR1139002	R1	7A62146FC	150/-65	0	1000	20	0
ZW444YBLL	R	MR113006	R1	CY7C1041BN-15ZXIT	150/-65	0	2500	23	0
ZW444YBLL	R	MR113006	R1	CY7C1041BN-15ZXIT	150/-65	0	3000	21	0
ZW324CBALR	T	MR114005	R1	CY62148EV30LL-45ZSXAT	150/-65	0	1000	27	0
ZW444AKCLN	R	MR114064	R1	CY7C1011CV33-12ZSXE	150/-65	0	1000	28	0
ZW444AHILL	JT	MR114069	R1	CY62126EV30LL-45XAKJ	150/-65	0	1000	29	0
ZW444VDLL	JT	MR121057	R1	CY62147EV30LL-45XAKJ	150/-65	0	1000	29	0
ZW444RACLN	JT	MR122013	R1	CY62137VNLL-70ZSXA	150/-65	0	1000	23	0



ZW444AOLN	JT	MR123002	R1	CY62146ELL-45ZSXA	150/-65	0	1000	29	0
ZW444AXXAGL	RA	MR123026	R1	CY14B101LA-ZS45XIT	150/-65	0	500	29	0
ZW444AXXAGL	RA	MR123026	R1	CY14B101LA-ZS45XIT	150/-65	0	1000	28	0
ZW544AALL	G	MR123028	R1	CY7C1069AV33-10ZXC	150/-65	0	1000	30	0
ZW444ALLR	G	MR123045	R1	CY7C1051DV33-12ZSXIT	150/-65	0	1000	30	0
ZW444ABXAGL	RA	MR124004	R1	CY62146ESL-45ZSXI	150/-65	0	500	30	0
ZW444ABXAGL	RA	MR124004	R1	CY62146ESL-45ZSXI	150/-65	0	1000	30	0
ZW544AALL	G	MR124006	R1	CY7C1061AV33-10ZXI	150/-65	0	500	28	0
ZW544AALL	G	MR124006	R1	CY7C1061AV33-10ZXI	150/-65	0	1000	28	0
ZW444ALLR	G	MR124042	R1	CY7C1051DV33-10ZSXI	150/-65	0	500	30	0
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
ZW44AYAGLC	RA	MR132001	R1	CY62137FV30LL-45XIKA	150/-65	0	500	45	0
ZW44AYAGLC	RA	MR132001	R1	CY62137FV30LL-45XIKA	150/-65	0	1000	45	0
ZW44AYAGLC	RA	MR132001	R2	CY62137FV30LL-45XIKA	150/-65	0	500	45	0
ZW44AYAGLC	RA	MR132001	R2	CY62137FV30LL-45XIKA	150/-65	0	1000	45	0
ZW44ABYGLC	RA	MR132001	R3	CY621472E30LL-45XIKA	150/-65	0	500	45	0
ZW44ABYGLC	RA	MR132001	R3	CY621472E30LL-45XIKA	150/-65	0	1000	45	0
ZW44AXYAGL	RA	MR132002	R1	CY7C1041DV33-10ZSXI	150/-65	0	500	30	0
ZW44AXYAGL	RA	MR132002	R1	CY7C1041DV33-10ZSXI	150/-65	0	1000	28	0
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

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

80

records

Sum

2488

0



TSSOP

ZZ412XAGB	M	122204	R3	W232-10X	150/-65	0	500	117	0
ZZ412XAGB	M	122204	R3	W232-10X	150/-65	0	1000	102	0

**Summary for Package Family:
TSSOP**

2 records

Sum

219 0

TSSOP (Pb-Free)

ZZ2014BGN	T	MR122014	R1	CY25404ZXI013T	150/-65	0	1000	30	0
ZZ1620GCAN	RA	AR1141009	R1	CY2309ZXC-1HT	150/-65	0	1000	17	0
ZZ1620GCAN	RA	AR1141009	R1	CY2309ZXC-1HT	150/-65	0	500	17	0
ZZ1614HAN	T	AR1143068	R1	CY26049ZXC-36	150/-65	0	1000	20	0
ZZ1614HAN	T	AR1143068	R1	CY26049ZXC-36	150/-65	0	500	20	0
ZZ1620GBAGN	RA	MR122015	R1	CY2309ZC-1HT	150/-65	0	1000	29	0
ZZ1620GCAN	RA	MR122019	R1	CY2309ZXC-1HT	150/-65	0	1000	30	0
ZZ1620GBAN	RA	MR123018	R1	CY22150FZXCT	150/-65	0	1000	30	0
ZZ1620GBAN	RA	MR123018	R1	CY22150FZXCT	150/-65	0	500	30	0
ZZ2014BGN	T	MR123021	R1	CY25404ZXI217T	150/-65	0	500	30	0
ZZ1620GDAN	RA	AR1236019	R1	CY23EP09ZXC-1HT	150/-65	0	500	20	0
ZZ1620GDAN	RA	AR1236019	R1	CY23EP09ZXC-1HT	150/-65	0	1000	20	0
ZZ1620GDAN	RA	AR1236020	R1	CY23EP09ZXC-1HT	150/-65	0	500	20	0
ZZ1620GDAN	RA	AR1236020	R1	CY23EP09ZXC-1HT	150/-65	0	1000	20	0



ZZ1620GDAN	RA	AR1236021	R1	CY23EP09ZXC-1HT	150/-65	0	500	20	0
ZZ1620GDAN	RA	AR1236021	R1	CY23EP09ZXC-1HT	150/-65	0	1000	20	0
ZZ1620GDAN	RA	AR1236022	R1	CY2309CZXI-1H	150/-65	0	500	20	0
ZZ1620GDAN	RA	AR1236022	R1	CY2309CZXI-1H	150/-65	0	1000	20	0
ZZ1620GDAN	RA	AR1236023	R1	CY23EP09ZXC-1HT	150/-65	0	500	20	0
ZZ1620GDAN	RA	AR1236023	R1	CY23EP09ZXC-1HT	150/-65	0	1000	20	0
ZZ2014BGN	T	MR123021	R1	CY25404ZXI217T	150/-65	0	1000	30	0
ZZ1620GBAN	RA	MR124001	R1	CY22393FXCT	150/-65	0	500	30	0
ZZ1620GBAN	RA	MR124001	R1	CY22393FXCT	150/-65	0	1000	30	0
ZZ2014BGN	T	MR124005	R1	CY25404ZXI011T	150/-65	0	500	30	0
ZZ2014BGN	T	MR124005	R1	CY25404ZXI011T	150/-65	0	1000	30	0
ZZ0812BGLC	T	MR131089	R1	CY2304NZZXI-1KO	150/-65	0	500	77	0
ZZ0811XAGN	M	122204	R1	CY2DP1502ZXC	150/-65	0	500	117	0
ZZ0811XAGN	M	122204	R2	CY2DP1502ZXC	150/-65	0	500	117	0
ZZ0811XAGN	M	122204	R1	CY2DP1502ZXC	150/-65	0	1000	107	0
ZZ0811XAGN	M	122204	R2	CY2DP1502ZXC	150/-65	0	1000	107	0
ZZ1620GCAN	RA	124204	R1	CY2309SXI-1H	150/-65	0	500	117	0
ZZ1620GCAN	RA	124204	R1	CY2309SXI-1H	150/-65	0	1000	112	0
ZZ1620GBAN	RA	124204	R2	CY22388KZXC-16A	150/-65	0	500	117	0
ZZ1620GBAN	RA	124204	R2	CY22388KZXC-16A	150/-65	0	1000	112	0



ZZ2817ABGL	RA	124204	R3	CY24272ZXC	150/-65	0	500	117	0
ZZ2817ABGL	RA	124204	R3	CY24272ZXC	150/-65	0	1000	112	0
ZZ1613HAGN	T	AR1311027	R1	CY2213ZXC-1T	150/-65	0	500	19	0
ZZ1613HAGN	T	AR1311027	R1	CY2213ZXC-1T	150/-65	0	1000	18	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
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

Summary for Package Family: TSSOP (Pb-Free)

51

records

Sum

2347

0



VFBGA (0.75-0.8, 0.3mm)

BV48CRALE	G	MR123032	R1	CY62167EV30LL-45BVIT	150/-65	0	500	30	0
BV48CRALE	G	MR123032	R1	CY62167EV30LL-45BVIT	150/-65	0	1000	30	0
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

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

5 records

Sum

150 0

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

BZ48CNAALL	G	MR114018	R1	CY62167DV30LL-55BVXI	150/-65	0	1000	29	0
BZ48CNAALL	G	MR114075	R1	CY62167DV30LL-55BVXI	150/-65	0	1000	30	0
BZ48CEAALL	G	MR121025	R1	CY62147EV30LL-45BVXA	150/-65	0	1000	29	0
BZ48CEAALL	G	MR122011	R1	CY62147EV30LL-45BVXA	150/-65	0	1000	29	0
BZ56BGALL	RA	MR122045	R1	CY7C68013A-56BAXC	150/-65	0	1000	30	0
BZ56BGALL	RA	MR122045	R1	CY7C68013A-56BAXC	150/-65	0	500	30	0
BZ48DAGLL	RA	MR122046	R1	CY62137FV30LL-45BVXI	150/-65	0	1000	30	0
BZ48DAGLL	RA	MR122046	R1	CY62137FV30LL-45BVXI	150/-65	0	500	30	0
BZ56GABGL	RA	MR123022	R1	CY7C68053-56BAXI	150/-65	0	1000	30	0
BZ56GABGL	RA	MR123022	R1	CY7C68053-56BAXI	150/-65	0	500	30	0
BZ48CEAALL	G	MR123034	R1	CY62147EV30LL-45BVXA	150/-65	0	500	30	0



BZ84ACAAAL	G	NR122002	R1	CY8CTMA1036BZI-12	150/-65	0	1000	25	0
BZ84ACAAAL	G	NR122002	R1	CY8CTMA1036BZI-12	150/-65	0	500	25	0
BZ84AAAAAL	RA	NR122004	R2	CY8CTMA1036BZI-12	150/-65	0	500	25	0
BZ84AAAAAL	RA	NR122004	R3	CY8CTMA1036BZI-12	150/-65	0	1000	25	0
BZ48CEAALL	G	MR123034	R1	CY62147EV30LL-45BVXA	150/-65	0	1000	29	0
BZ48CEAALL	G	MR124028	R1	CY62147EV30LL-45BVXA	150/-65	0	500	29	0
BZ48CWALL	G	MR124045	R1	CY7C1061DV33-10BVXIT	150/-65	0	500	30	0
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
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
BZ48ZEAALC	RA	MR132016	R1	CY62157EV30LL-45BVXIT	150/-65	0	500	30	0
BZ48ZEAALC	RA	MR132016	R1	CY62157EV30LL-45BVXIT	150/-65	0	1000	30	0

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

records

Sum

1449 0

PBGA (Pb-Free)

BY119SALL	G	MR124018	R1	CY7C1354C-200BGXC	150/-65	0	500	30	0
BY119SALL	G	MR124018	R1	CY7C1354C-200BGXC	150/-65	0	1000	30	0
BY119SALL	G	MR131046	R1	CY7C1354C-200BGXC	150/-65	0	500	30	0
BY119SALL	G	MR132009	R1	CY7C1354C-200BGXC	150/-65	0	500	30	0

Summary for Package Family: PBGA (Pb-Free) 4

records

Sum

120 0



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