



2012 Q3 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 3rd quarter of 2012. It includes data from devices fabricated at both internal Cypress and external subcontractor wafer fabrication and assembly facilities.

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

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

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

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

Sabbas Daniel
Executive Vice-President, Quality



2.0 PRODUCT RELIABILITY

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

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

2.1 EARLY FAILURE RATE SUMMARY

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

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

Table 1. Early Failure Rate Summary

Technology	Device Hours	# Failed	PPM	Failure Mode
LL65	1,016,206	1	30	Fab defect-1 (See Note 1)
C9	699,330	0	0	None
R8	97,045	0	0	None
S8	1,853,055	3	71	Fab defect-3 (See Note 2)
C8	30,968	0	0	None
R9	1,063,322	0	0	None
R7	51,072	0	0	None
S4	490,870	0	0	None
R52	14,400	0	0	None
B53	61,905	0	0	None
R42	61,935	0	0	None
R95	127,339	0	0	None
Grand Total	5,567,448	4	30	See above

Notes:

- 1) Non-Visual Defect will be covered by continuous improvement at Fab
- 2) CAR 201201012 - NWM and O2 flash process fixes- STI process improvements



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	PPM	Failure Mode
C8	185,484	0	29	0	None
LL65	940,472	0	5.7	0	None
C9	1,183,610	0	4.5	0	None
R9	849,284	0	6.3	0	None
R52	157,276	0	34	0	None
S8	452,843	0	11.9	0	None
S4	919,161	0	5.9	0	None
R95	16,258	0	Insufficient	0	None
R7	149,500	0	36.0	0	None
0.8um	23,226	0	Insufficient	0	None
R42	192,903	0	27.9	0	None
Grand Total	5,070,018	0	1.1	0	None



2.3 DATA RETENTION SUMMARY

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

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

Table 3. Data Retention Summary

Technology	Device Hours	# Failed	PPM	Failure Mode
S4	16,661,440	0	0	None
S8	6,958,556	0	0	None
Total	23,619,996	0	0	None

3.0 PACKAGE RELIABILITY

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

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

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

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

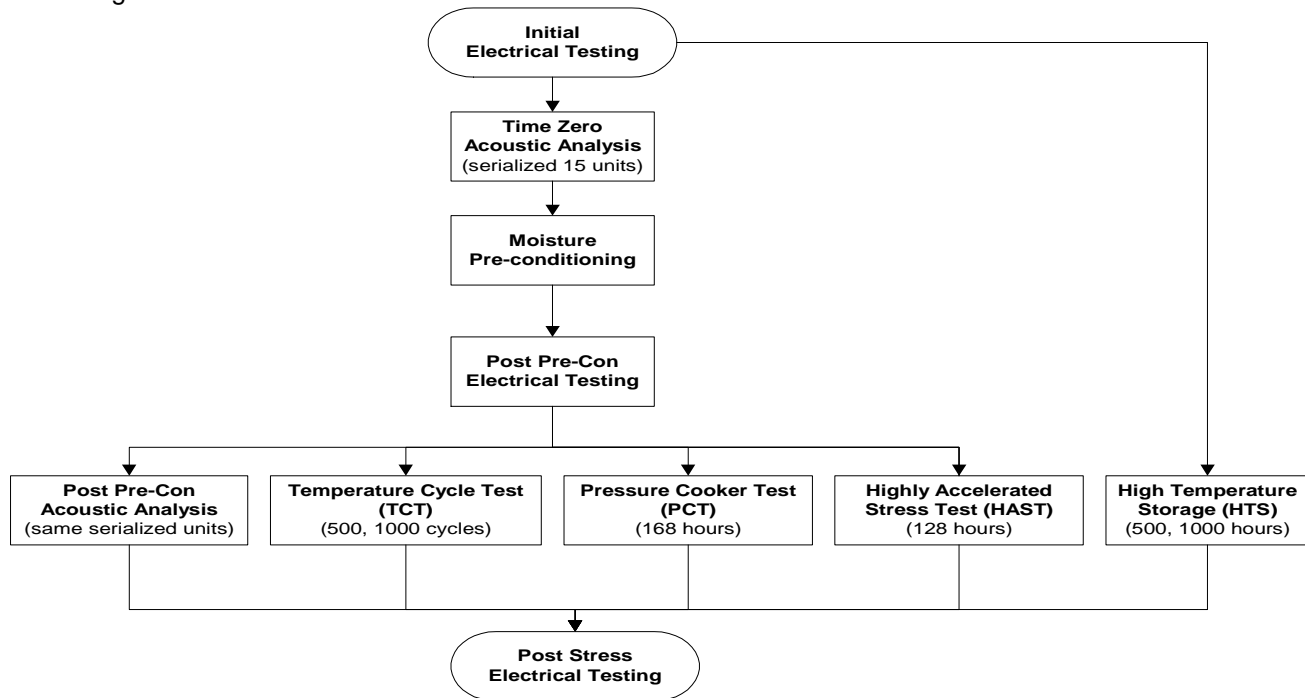


Figure 1. Cypress Package Reliability Stress Flow



3.1 PRESSURE COOKER TEST (PCT)

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

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

Table 4. Pressure Cooker Test Failure Rate Summary

Package	Sample Size	# Failed	Defects %	Failure Mode
UFBGA (Pb-free)	298	0	0	0
FBGA (0.75-0.8, 0.3mm)	176	0	0	0
FBGA (0.75-0.8, 0.3mm, Pb-free)	916	0	0	0
FBGA (1.0-1.27)	532	0	0	0
FBGA (1.0-1.27, Pb-free)	1459	0	0	0
PBGA (1.27)	58	0	0	0
FLIPCHIP CSP (Pb-Free)	620	0	0	0
PBGA (Cavity/Heat Sink, Pb-free)	60	0	0	0
PDIP (Pb-Free)	448	0	0	0
PLCC (Pb-Free)	198	0	0	0
PQFP (Pb-free)	286	0	0	0
QFN (COL, 0.6mm, Saw Type, Pb-free)	1598	0	0	0
QFN (0.6mm, Punch Type, Pb-Free)	60	0	0	0
QFN (Punch Type, Pb-Free)	390	0	0	0
QFN (Saw Type, Pb-Free)	10393	0	0	0
QSOP (Pb-Free)	110	0	0	0
SNC (Pb-Free)	90	0	0	0
SOIC	60	0	0	0
SOIC (Pb Free)	3167	0	0	0
SOJ	60	0	0	0
SOJ (Pb-Free)	716	0	0	0
SSOP (Pb-Free)	1237	0	0	0
TQFP	50	0	0	0
TQFP (Pb-Free)	1551	0	0	0
TSOP (Pb-free)	608	0	0	0
TSOP I (Pb-Free)	320	0	0	0
TSOP II (Pb-Free)	1894	0	0	0
RTSOP (Pb-free)	60	0	0	0
TSSOP (Pb-Free)	569	0	0	0
VFBGA (0.75-0.8, 0.3mm)	329	0	0	0
VFBGA (0.75-0.8, 0.3mm, Pb-Free)	1817	0	0	0
Grand Total	30,130	0	0.00%	None



3.2 HIGHLY ACCELERATED STRESS TEST (HAST)

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

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

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

Package	Sample Size	# Failed	Defects %	Failure Mode
UFBGA (Pb-free)	77	0	0	None
FBGA (0.75-0.8, 0.3mm, Pb-free)	220	0	0	None
FBGA (1.0-1.27)	60	0	0	None
FBGA (1.0-1.27, Pb-free)	968	0	0	None
FCBGA	30	0	0	None
PDIP (Pb-Free)	210	0	0	None
QFN (COL, 0.6mm, Saw Type, Pb-free)	1,616	0	0	None
QFN (Punch Type, Pb-Free)	120	0	0	None
QFN (Saw Type, Pb-Free)	3,962	0	0	None
QSOP (Pb-Free)	25	0	0	None
SNC (Pb-Free)	60	0	0	None
SOIC (Pb Free)	703	0	0	None
SOJ	30	0	0	None
SOJ (Pb-Free)	230	0	0	None
SSOP (Pb-Free)	522	0	0	None
TQFP	25	0	0	None
TQFP (Pb-Free)	413	0	0	None
TSOP (Pb-free)	50	0	0	None
TSOP I (Pb-Free)	85	0	0	None
TSOP II (Pb-Free)	419	0	0	None
RTSOP (Pb-free)	30	0	0	None
TSSOP (Pb-Free)	60	0	0	None
VFBGA (0.75-0.8, 0.3mm)	90	0	0	None
VFBGA (0.75-0.8, 0.3mm, Pb-Free)	273	0	0	None
Grand Total	10,278	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)	608	0	0	None
FBGA (0.75-0.8, 0.3mm)	180	0	0	None
FBGA (0.75-0.8, 0.3mm, Pb-free)	1,814	0	0	None
FBGA (1.0-1.27)	388	0	0	None
FBGA (1.0-1.27, Pb-free)	3,064	0	0	None
PBGA (1.27)	60	0	0	None
FLIPCHIP CSP (Pb-Free)	3,391	0	0	None
PBGA (Cavity/Heat Sink)	464	0	0	None
PBGA (Cavity/Heat Sink, Pb-free)	60	0	0	None
PDIP	60	0	0	None
PDIP (Pb-Free)	682	0	0	None
PLCC (Pb-Free)	848	11	1	Cut Wedge
PQFP (Pb-free)	391	0	0	None
QFN (COL, 0.6mm, Saw Type, Pb-free)	5,283	0	0	None
QFN (0.6mm, Punch Type, Pb-Free)	29	0	0	None
QFN (Punch Type, Pb-Free)	399	0	0	None
QFN (Saw Type, Pb-Free)	17,031	0	0	None
QSOP (Pb-Free)	383	0	0	None
SNC (Pb-Free)	100	0	0	None
SOIC	60	0	0	None
SOIC (Pb Free)	4,611	191	4	Lifted/Cut Wedge
SOJ	9,175	0	0	None
SOJ (Pb-Free)	669	0	0	None
SSOP (Pb-Free)	4,207	0	0	None
TQFP (Pb-Free)	2,329	0	0	None
TSOP (Pb-free)	530	0	0	None
TSOP I (Pb-Free)	348	0	0	None
TSOP II (Pb-Free)	2,039	0	0	None
RTSOP (Pb-free)	60	0	0	None
TSSOP (Pb-Free)	1,128	0	0	None
VFBGA (0.75-0.8, 0.3mm)	295	0	0	None
VFBGA (0.75-0.8, 0.3mm, Pb-Free)	2,556	0	0	None
Grand Total	63,242	202	0.32%	See Above

Notes :

- 1) CAR 201140020 – Wirebond process optimization
- 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
UFBGA (Pb-free)	481	0	0	None
FBGA (0.75-0.8, 0.3mm)	210	0	0	None
FBGA (0.75-0.8, 0.3mm, Pb-free)	1,062	0	0	None
FBGA (1.0-1.27)	359	0	0	None
FBGA (1.0-1.27, Pb-free)	2,911	0	0	None
PBGA (1.27)	60	0	0	None
FLIPCHIP CSP (Pb-Free)	344	0	0	None
PBGA (Cavity/Heat Sink, Pb-free)	60	0	0	None
PDIP (Pb-Free)	630	0	0	None
PLCC (Pb-Free)	279	0	0	None
PQFP (Pb-free)	290	0	0	None
QFN (COL, 0.6mm, Saw Type, Pb-free)	1,976	0	0	None
QFN (0.6mm, Punch Type, Pb-Free)	30	0	0	None
QFN (Punch Type, Pb-Free)	270	0	0	None
QFN (Saw Type, Pb-Free)	10,689	0	0	None
QSOP (Pb-Free)	50	0	0	None
SNC (Pb-Free)	60	0	0	None
SOIC	60	0	0	None
SOIC (Pb Free)	2,248	0	0	None
SOJ	60	0	0	None
SOJ (Pb-Free)	679	0	0	None
SSOP (Pb-Free)	1,242	0	0	None
TQFP	50	0	0	None
TQFP (Pb-Free)	1,436	0	0	None
TSOP (Pb-free)	337	0	0	None
TSOP I (Pb-Free)	260	0	0	None
TSOP II (Pb-Free)	1,138	0	0	None
RTSOP (Pb-free)	60	0	0	None
TSSOP (Pb-Free)	629	0	0	None
VFBGA (0.75-0.8, 0.3mm)	298	0	0	None
VFBGA (0.75-0.8, 0.3mm, Pb-Free)	1,337	0	0	None
Grand Total	29,595	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: 10/1/2011

TO: 09/30/2012

Summary Detail -- EFR Performance Over Time

TECHNOLOGY	DIVISION	EVALNUM	TV	DEVICE	TEMP	VOLT	READOUT	DURATION	SS	REJECT	FA	COMMENTS
LL65												
	DCD	113007	R1	CY7C1512KO	125	1.95	96	96	1500	0		
	MPD	112604	R1-Split1	7C1570QXO-**RABWC	125	5.0	96	96	1187	0		
	MPD	112604	R1-Split2	7C1570QXO-**RABWC	125	5.0	96	96	1097	0		
	MPD	112604	R1-Split3	7C2565QXO-**RABWC	125	5.0	96	96	411	1	SABH-113	No Visual Defect
	MPD	112604	R1-Split4	7C1570QXO-**RABWC	125	5.0	96	96	428	0		
	MPD	112604	R1-Split5	7C1570QXO-**RABWC	125	5.0	96	96	533	0		
	MPD	112604	R1-Split6	7C1570QXO-**RABWC	125	5.0	96	96	508	0		
	MPD	112604	R2	7C2565QXO-**RABWC	125	5.0	96	96	2880	0		
	MPD	MR114084	R1	CY7C1312KV18-250BZXC	125	5.0	96	96	2485	0		
	MPD	MR114084	R1	CY7C1312KV18-250BZXC	125	5.0	96	96	3400	0		
	MPD	MR121071	R1	CY7C1512KV18-250BZXC	125	5.0	96	96	3400	0		
	MPD	MR121071	R1	CY7C1512KV18-250BZXC	125	5.0	96	96	3217	0		
	MPD	MR113063	R3	CY7C12501KV18-400BZC	125	1.95	48	48	1780	0		
	DCD	114603	R3	CYUSB3014-BZXIES	125	3.795	96	96	1035	0		
	DCD	114603	R4-Split 1	CYUSB3014-BZXIES	125	3.795	96	96	945	0		
	DCD	114603	R4-Split 2	CYUSB3014-BZXIES	125	3.795	96	96	89	0		
	DCD	114603	R5-Split 1	CYUSB3014-BZXI	125	3.795	96	96	855	0		
	DCD	114603	R5-Split 2	CYUSB3014-BZXI	125	3.795	96	96	180	0		



MPD	MR121073	R2	CY62167DV30LL-55BVXI	125	2.4	96	96	799	0
MPD	MR121073	R1	CY62167DV30LL-55BVXI	125	2.4	96	96	210	0
MPD	MR123064	R2	CY62167DV30LL-55BVXI	125	2.4	96	96	350	0

Summary for Technology: R8

9 records

Sum 3,148 0

S8

CCD	113905	R1- Split 1	CY8CTMA443-48LQIES2	150	5.75	48	48	791	0
CCD	113905	R1- Split 2	CY8CTMA443-48LQIES2	150	5.75	48	48	701	0
CCD	113905	R1A- Split 1	CY8CTMA463-48LQIES2	150	5.75	48	48	840	1
CCD	113905	R1A- Split 2	CY8CTMA463-48LQIES2	150	5.75	48	48	234	1
CCD	113905	R1B	CY8CTMA400-48LQIES2	150	5.75	48	48	418	1
CCD	113905	R2- Split 1	CY8CTMA443-48LQIES2	150	5.75	48	48	847	0
CCD	113905	R2- Split 2	CY8CTMA443-48LQIES2	150	5.75	48	48	653	0
CCD	113905	R3A	CY8CTMA443-48LQIES	150	5.75	48	48	45	0
CCD	113905	R4-Split 1	CY8CTMA443-48LQIES	150	5.75	48	48	56	0
CCD	113905	R4-Split 2	CY8CTMA443-48LQIES	150	5.75	48	48	944	0
CCD	113905	R5A	CY8CTMA443-48LQIES	150	5.75	48	48	500	0
CCD	114110	R1B	CY8C5568AXI-060	150	2.07	48	48	118	0
CCD	114110	R2B	CY8C5568AXI-060	150	2.07	48	48	1443	0
CCD	114003	R1A-Split 1	CY8C20467-24LQXI	150	2.1	48	48	824	0
CCD	114003	R1A-Split 2	CY8C20467-24LQXI	150	2.1	48	48	676	0
CCD	114103	R2-Split 1	CY8CTMA340-48LQI-09	150	2.07	48	48	515	0
CCD	114103	R2-Split 2	CY8CTMA340-48LQI-09	150	2.07	48	48	514	0
CCD	114103	R2-Split 3	CY8CTMA340-48LQI-09	150	2.07	48	48	514	0
CCD	MR114049	R1-Split 1	CY8CTMA443-48LQIES2	150	5.75	48	48	847	0
CCD	MR114049	R1-Split 2	CY8CTMA443-48LQIES2	150	5.75	48	48	653	0

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201201012)



CCD	MR114099	R1	CY8C3866AXI-040	150	2.07	48	48	1592	0
CCD	MR121089	R1	CY8C3446AXI-099	150	2.07	48	48	977	0
CCD	MR121065	R2	CY8CTMA463-48LQI	150	2.07	48	48	646	0
CCD	MR121065	R3-Split 1	CY8CTMA443-48LQI	150	2.07	48	48	844	0
CCD	MR121065	R3-Split 2	CY8CTMA443-48LQI	150	2.07	48	48	655	0
CCD	MR121090	R1	CY8C20466A-24LQXI	150	5.5	48	48	50	0
CCD	MR121090	R2	CY8C20466A-24LQXI	150	5.5	48	48	50	0
CCD	MR121090	R3	CY8C20466A-24LQXI	150	5.5	48	48	50	0
CCD	121105	R1	CY8CTMA443-48LQI	150	2.07	48	48	2	0
CCD	121105	R1-Split 1	CY8CTMA443-48LQI	150	2.07	48	48	441	0
CCD	121105	R1-Split 2	CY8CTMA443-48LQI	150	2.07	48	48	345	0
CCD	121105	R1-Split 3	CY8CTMA443-48LQI	150	2.07	48	48	244	0
CCD	121105	R2-Split1	CY8CTMA443-48LQI	150	2.07	48	48	242	0
CCD	121105	R2-Split 2	CY8CTMA443-48LQI	150	2.07	48	48	628	0
CCD	121105	R2-Split 3	CY8CTMA443-48LQI	150	2.07	48	48	160	0
CCD	121105	R3-Split 1	CY8CTMA443-48LQI	150	2.07	96	96	97	0
CCD	121105	R3-Split 2	CY8CTMA443-48LQI	150	2.07	48	48	500	0
CCD	121105	R3-Split 3	CY8CTMA443-48LQI	150	2.07	48	48	421	0
CCD	120502	R3-Split 1	CY8CTMA443-48LQI	150	2.07	48	48	829	0
CCD	120502	R3-Split 2	CY8CTMA443-48LQI	150	2.07	48	48	183	0
CCD	120502	R4-Split 1	CY8CTMA443-48LQI	150	2.07	48	48	630	0
CCD	120502	R4-Split 2	CY8CTMA443-48LQI	150	2.07	48	48	386	0
CCD	120502	R5-Split 1	CY8CTMA443-48LQI	150	2.07	48	48	829	0
CCD	120502	R5-Split 2	CY8CTMA443-48LQI	150	2.07	48	48	158	0
CCD	120502	R5-Split 3	CY8CTMA443-48LQI	150	2.07	48	48	32	0
MPD	122802	R2B	CY14ME064Q2A-SXI	125	5.0	96	96	1939	0



MPD	MR112076	R1	CY7C1399BN-12VXI	150	3.8	48	48	300	0
Summary for Technology: R52		1	records						
Sum								300	0
B53									
DCD	114004	R4-Split 1	CYRF6936-40LTXCKG	125	3.8	96	96	499	0
DCD	114004	R4-Split 2	CYRF6936-40LTXCKG	125	3.8	96	96	500	0
DCD	114004	R5-Split 1	CYRF6936-40LTXCKG	125	3.8	96	96	500	0
DCD	114004	R5-Split 2	CYRF6936-40LTXCKG	125	3.8	96	96	500	0
Summary for Technology: B53		4	records						
Sum								1,999	0
R42									
MID	MR114048	R1	CY62256NLL-55SNXI	125	5.75	96	96	1000	0
MPD	MR114077	R1	CY62256NLL-55SNXI	125	5.75	96	96	1000	0
Summary for Technology: R42		2	records						
Sum								2,000	0
R95									
MPD	121104	R2	CY62137FV30LL-45BVXI	125	1.85	96	96	4112	0
Summary for Technology: R95		1	records						
Sum								4,112	0



Summary Detail -- LFR Performance Over Time

TECHNOLOGY	DIVISION	EVALNUM	TV	DEVICE	TEMP	VOLT	READOUT	DURATION	SS	REJECT	FA	COMMENTS
C8												
	MPD	MR112074	R1	CYWB0124AB-BVXI	125	3.8	1000	1000	278	0		
	MPD	MR112075	R1	CYWB0124AB-BVXI	125	3.8	1000	100	297	0		
Summary for Technology: C8			2	records								
Sum									575	0		
LL65												
	DCD	102402	R3	CYUSB3014-BZXIES	125	3.795	1000	1000	180	0		
	DCD	MR112071	R1	CY7C1512KV18-250BZXC	125	2.05	1000	1000	299	0		
	DCD	112604	R1A-Split 1	CY7C2565XV18-633BZXC	125	1.95	168	168	118	0		
	DCD	112604	R1A-Split 2	CY7C2565XV18-633BZXC	125	1.95	216	216	58	0		
	MPD	MR113063	R3	CY7C12501KV18-400BZC	125	1.95	596	596	1772	0		
	MPD	MR113063	R1A	CY7C1512KV18-250BZXI	125	2.05	1000	1000	300	0		
	DCD	114603	R3	CYUSB3014-BZXIES	125	3.795	1000	1000	180	0		
	DCD	114603	R2	CYUSB3014-BZXIES	125	3.795	1000	1000	180	0		
	MPD	120610	R1	CY7C1512KV18-250BZXC	125	1.95	1000	1000	116	0		
	MPD	MR114084	R2	CY7C1512KV18-300BZXC	125	1.95	1000	1000	272	0		
	MPD	MR121071	R2	CY7C1312KV18-250BZXC	125	1.95	1000	1000	300	0		
Summary for Technology: LL65			11	records								
Sum									3,775	0		
C9												
	MPD	113303	R1	CY7C1081DV33-12BAXI	110	3.5	1000	1000	127	0		
	MPD	113201	R11	7A1221NC	125	2.5	1000	1000	100	0		
	MPD	113201	R12	7A1221NC	125	2.5	1000	1000	95	0		



MPD	110101	R1	CY7C1041DV33-10ZSXI	150	3.77	48	48	178	0
MPD	MR104054	R1	CY7C1041DV33-10ZSXI	150	3.77	80	80	300	0
MPD	MR111073	R2	CY7C1041DV33-10ZSXI	150	3.77	80	80	373	0
MPD	MR113041	R1	CY7C1041DV33-10ZSXI	150	3.77	80	80	300	0
MPD	MR114098	R1	7C1081NC-**GQBKIB	110	3.5	1024	1024	759	0
MID	MR114047	R1	CY7C1041DV33-10ZSXI	150	3.77	80	80	299	0
MPD	MR121075	R1	CY7C1041DV33-10ZSXI	150	3.77	80	80	300	0
MPD	MR122070	R1	CY7C1041DV33-10ZSXI	150	3.77	80	80	300	0
MID	MR111073	R2	CY7C1041DV33-10ZSXI	150	3.77	500	500	373	0
MID	MR113041	R1	CY7C1041DV33-10ZSXI	150	3.77	500	500	300	0
MID	MR104054	R1	CY7C1041DV33-10ZSXI	150	3.77	500	500	300	0

Summary for Technology: C9 14 records

Sum 4,104 0

R9

MPD	MR113070	R1A	CY7C1350G-200AXC	150	2.25	500	500	300	0
MPD	MR114054	R1	CY7C1460AV33-167AXI	150	2.25	296	296	299	0
MPD	MR114062	R1	CY7C1380D-167AXC	150	2.25	524	524	296	0
MPD	MR121067	R1	CY7C1380D-167AXIT	150	2.25	500	500	300	0
MPD	MR122066	R1	CY7C1350G-200AXC	150	2.25	524	524	299	0
MPD	MR123061	R1	CY7C1380D-167AXC	150	2.25	500	500	298	0

Summary for Technology: R9 6 records

Sum 1,792 0

R52

MID	MR112076	R1	CY7C1399BN-12VXI	150	3.8	548	548	287	0
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Summary for Technology: R52 1 records

Sum 287 0



S8

CCD	113002	R1	CY8C3866AXI-040	150	2.07	500	500	116	0
CCD	113905	R4	CY8CTMA443-48LQIES	150	2.07	500	500	116	0
CCD	114110	R1B	CY8C5568AXI-060	150	2.07	500	500	117	0
CCD	114103	R2	CY8CTMA340-48LQI-09	150	2.07	168	168	130	0
CCD	MR113096	R1	CY8C3866AXI-040	150	2.07	500	500	142	0
CCD	NR121001	R1	CY8C20236A-24LKXI	150	2.1	500	80	80	0
CCD	121202	R5	CY8CTMA443-48LQIES3	150	2.07	500	500	126	0
MPD	122802	R2A	CY14ME064Q2A-SXI	125	5	168	168	108	0
MPD	122802	R2B	CY14ME064Q2A-SXI	125	5	168	168	108	0
MPD	122802	R3A	CY14MB064Q2A-SXI	125	3	168	168	88	0
MPD	122802	R3B	CY14MB064Q2A-SXI	125	3	168	168	88	0
MPD	MR124078	R1	7C1436B5AC	125	3.0	332	332	88	0
MPD	MR124078	R2	7C1436E5AC	125	5.0	332	332	108	0
MPD	MR124078	R3	7C1436B5AC	125	3.0	332	332	88	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

Summary for Technology: S8

11 records

Sum 1,791 0

S4

CCD	MR112041	R1	CY8C24533-24PVXI	125	5.5	1000	1000	300	0
CCD	MR113044	R1	CY8C24423A-24PVXI	125	5.5	1000	1000	329	0
CCD	MR113042	R1	CY8C24533-24PVXI	125	5.5	1000	1000	299	0
CCD	MR114052	R1	CP6832AMT	125	5.5	192	192	300	0
CCD	MR104039	R1	CY8C24533-24PVXI	125	5.5	480	480	760	0



	CCD	MR114050	R1	CY8C24533-24PVXI	125	5.5	1000	1000	300	0	
	MPD	MR121070	R1	CY8C24533-24PVXI	125	5.5	1000	1000	300	0	
	CCD	MR114050	R1	CY8C24533-24PVXI	125	5.5	1000	1000	300	0	
	CCD	MR122063	R1	CY8C24533-24PVXI	125	5.5	1000	1000	299	0	
	CCD	MR122065	R1	CY8C27443-24PVXIT	125	5.5	1000	1000	300	0	0
	Summary for Technology: S4		10	records							
	Sum								3,487	0	
	R95										
	M	MR111077	R2	CY62146EV30LL-45ZSXI	125	1.85	168	168	300	0	
	Summary for Technology: R95		1	record							
	Sum								300	0	
	R7										
	MPD	MR114060	R1	CY7C1049CV33-10VXCT	150	2.3	500	500	299	0	
	Summary for Technology: R7		1	record							
	Sum								299	0	
	0.8um										
	MPD	QC1122003	R1	STK12C68-5C35M	125	5.5	1000	1000	72	0	
	Summary for Technology: 0.8um		1	record							
	Sum								72	0	
	R42										
	R42	MID	MR114048	R1	CY62256NLL-55SNXI	125	5.75	1000	300	0	
	R42	MPD	MR114077	R1	CY62256NLL-55SNXI	125	5.75	1000	298	0	
	Summary for Technology: R42		2	records							
	Sum								598	0	



Summary Detail -- DRET Performance Over Time

TECHNOLOGY	DIVISION	EVALNUM	TV	DEVICE	TEMP	VOLT	READOUT	DURATION	SS	REJECT	FA	COMMENTS
S4												
	CCD	MR102077	R1	CY8C24533-24PVXI	175	0	3500	3500	80	0		
	CCD	MR111062	R1	CG7264AM	150	0	3500	3500	80	0		
	CCD	MR111062	R1	CG7264AM	175	0	3500	3500	80	0		
	CCD	MR112055	R1	CY8C29466-24PVXI	175	0	2000	2000	80	0		
	CCD	MR112055	R1	CY8C29466-24PVXI	150	0	1000	1000	80	0		
	CCD	MR113026	R1	CY8C29466-24PVXI	175	0	2000	2000	80	0		
	CCD	MR113027	R1	CY8C24533-24PVXI	175	0	3500	3500	80	0		
	CCD	MR114091	R1	CY8C29466-24PVXIT	150	0	1000	1000	80	0		
	CCD	MR114091	R1	CY8C29466-24PVXIT	175	0	1000	1000	80	0		
	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		
	CCD	MR122076	R1	CY8C27443-24PVXIT	175	0	1000	1000	80	0		
	PSD	MR122085	R1	CY8C29466-24PVXI	150	0	1000	1000	80	0		



CCD	MR123073	R2	CY8C21534B-24PVXI	175	0	288	288	75	0
Summary for Technology: S4		23	records						
Sum									
S8									
CCD	MR111068	R1	CY8C20466-24LQXI	175	0	3500	3500	78	0
CCD	MR111079	R1	CY8C20446A-24LQXIT	150	0	2000	2000	80	0
CCD	MR111079	R1	CY8C20446A-24LQXIT	150	0	1000	1000	80	0
CCD	MR112062	R1	CY8C20446A-24LQXIT	175	0	2000	2000	79	0
CCD	MR112062	R1	CY8C20446A-24LQXIT	150	0	2000	2000	80	0
CCD	MR113082	R1	CY8C20436A-24LQXIT	150	0	1000	1000	80	0
CCD	MR113082	R1	CY8C20436A-24LQXIT	175	0	1000	1000	80	0
CCD	MR121076	R1	CY8C29466-24PVXI	150	0	1000	1000	80	0
CCD	MR121076	R1	CY8C29466-24PVXI	175	0	1000	1000	80	0
CCD	120402	R1	CY8C3866AXI-040ES4	150	0	1500	1500	79	0
CCD	120402	R2	CY8C3866AXI-040ES4	150	0	1000	1000	81	0
CCD	121303	R1	CY8CTMA443-48LQIES3	150	0	1000	1000	80	0
CCD	121303	R2	CY8CTMA443-48LQIES3	150	0	1000	1000	80	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	MR121085	R1	CY8CTMG200A-32LQXI	175	0	500	500	80	0
CCD	MR122079	R1	CY8C20446A-24LQXIT	175	0	500	500	80	0
CCD	MR122082	R1	CY8CTMG200A-32LQXI	175	0	500	500	79	0



Summary for Technology: S8

22

records

Sum

1,596

0



FROM: 10/1/2011
TO: 09/30/2012

Summary Detail -- HAST Performance Over Time

BUILDKIT	ASSY SITE	EVALNUM	TV	DEVICE	TEMP	VOLT	READOUT	SS	REJECT	FA	COMMENTS
UFBGA (Pb-free)											
BU84AAAAAL	G	121302	R1	CY8CTMA1036BUI-33ES2	130	5.5	128	77	0		
Summary for Package Family: UFBGA (Pb-free)			1	records							
Sum								77	0		
FBGA (0.75-0.8, 0.3mm, Pb-free)											
BK48DZAAAL	G	113303	R1	CY7C1081DV33-12BAXI	110	3.65	264	80	0		
BK121BGAGL	RA	114603	R2	CYUSB3014-BZXIES	130	0	128	80	0		
BK48DJALL	G	MR114042	R2	CY62177DV30LL-55BAXI	110	3.6	264	30	0		
BK48DJALL	G	MR121049	R2	CY62177DV30LL-55BAXI	130	3.6	128	30	0		
Summary for Package Family: FBGA (0.75-0.8, 0.3mm, Pb-free)			4	records							
Sum								220	0		
FBGA (1.0-1.27)											
BB165AVLE	RA	MR114038	R1	CY7C1305TV25-167BZC	110	1.95	264	30	0		
BB165RNALE	RA	MR114058	R1	CY7C1312KV18-250BZC	130	1.95	128	30	0		
Summary for Package Family: FBGA (1.0-1.27)			2	records							
Sum								60	0		
FBGA (1.0-1.27, Pb-free)											
BW165RJALL	RA	MR113074	R1	CY7C1412KV18-250BZXI	130	1.95	128	30	0		



BW165RJALL	RA	MR114039	R1	CY7C1412KV18-250BZXI	130	1.95	128	29	0
BW165RTALL	RA	120609	R1-Split 1	CY7C16131KV18-300BZXC	130	1.95	128	40	0
BW165RTALL	RA	120609	R1-Split 2	CY7C16131KV18-300BZXC	130	1.95	128	40	0
BW165RTALL	RA	120609	R1	CY7C16131KV18-300BZXC	130	1.95	192	25	0
BW165RTALL	RA	120609	R1	CY7C16131KV18-300BZXC	130	1.95	500	20	0
BW165RTALL	RA	120609	R2- Split 1	CY7C16131KV18-300BZXC	130	1.95	128	40	0
BW165RTALL	RA	120609	R2- Split 2	CY7C16131KV18-300BZXC	130	1.95	128	40	0
BW165RTALL	RA	120609	R2	CY7C16131KV18-300BZXC	130	1.95	192	25	0
BW165GAALL	RA	120610	R1	CY7C1512KV18-250BZXC	130	1.95	128	80	0
BW165GAALL	RA	120610	R1	CY7C1512KV18-250BZXC	130	1.95	192	25	0
BW165GAALL	RA	120610	R1	CY7C1512KV18-250BZXC	130	1.95	500	25	0
BW165GAALL	RA	120610	R2	CY7C1512KV18-250BZXC	130	1.95	128	80	0
BW165GAALL	RA	120610	R2	CY7C1512KV18-250BZXC	130	1.95	192	25	0
BZ48CJALL	RA	120610	R3	CY62167DV30LL-55BVXI	130	3.6	128	79	0
BZ48CJALL	RA	120610	R3	CY62167DV30LL-55BVXI	130	3.6	192	50	0
BW165BUALL	G	120612	R1-Split 1	CY7C1512KV18-250BZXC	130	1.8	128	26	0
BW165BUALL	G	120612	R1-Split 2	CY7C1512KV18-250BZXC	130	1.8	128	55	0
BW165BUALL	G	120612	R1	CY7C1512KV18-250BZXC	130	1.8	192	25	0
BW165BUALL	G	120612	R2-Split 1	CY7C1512KV18-250BZXC	130	1.8	128	25	0
BW165BUALL	G	120612	R2-Split 2	CY7C1512KV18-250BZXC	130	1.8	128	55	0
BW165BUALL	G	120612	R2	CY7C1512KV18-250BZXC	130	1.8	192	25	0
BW165BUALL	G	120612	R3-Split 2	CY7C1512KV18-250BZXC	130	1.8	128	25	0
BW165BUALL	G	120612	R3 -Split 1	CY7C1512KV18-250BZXC	130	1.8	128	54	0
BW165BUALL	G	120612	R3	CY7C1512KV18-250BZXC	130	1.8	192	25	0

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

25 records

Sum

968 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)

PZ183DPBGN	RA	MR111054	R1	CS6632AF	130	5.5	128	30	0
PZ183EAAGN	X	MR114021	R1	CY7C63723C-PXC	130	5.5	128	30	0
PZ183DPDGN	RA	MR121012	R1	CP6238BM	130	5.5	128	30	0
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

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

Sum 210 0

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

LG16AQAAAL	G	114903	R1	CY8C20236A-24LKXI	130	5.25	128	79	0
LG16AQAAAL	G	114903	R4	CY8C20224-12LKXI	130	5.25	128	79	0
LG16AQAAAL	G	114903	R4	CY8C20224-12LKXI	130	5.25	192	39	0
LG16AQAAAL	G	114903	R5	CY8C20110-LDX2I	130	5.25	128	79	0
LG16AQAAAL	G	114903	R5	CY8C20110-LDX2I	130	5.25	192	40	0
LG16ABAALL	L	MR113029	R1	CS7412AT	130	5.25	128	30	0
LG16AEAAAL	MB	MR113019	R1	CY8C20236A-24LKXIT	130	5.25	128	29	0
LG16ABAALL	L	MR114030	R3	CG7471AMT	130	5.25	128	30	0



LG16ABAALL	L	MR114032	R3	CG7471AM	130	3.25	128	30	0
LG16AQAAAL	G	NR121001	R3	CY8C20236A-24LKXI	130	5.25	128	79	0
LG16AQAAAL	G	NR121001	R6	CY8C20236A-24LKXI	130	5.25	128	78	0
LG16AQAAAL	G	NR121001	R7	CY8C20236A-24LKXI	130	5.25	128	78	0
LG16AQAAAL	G	NR121001	R1	CY8C20236A-24LKXI	130	5.25	128	79	0
LG16AQAAAL	G	NR121001	R2	CY8C20236A-24LKXI	130	5.25	128	79	0
LG16AQAAAL	G	NR121001	R5	CY8C20236A-24LKXI	130	5.25	128	79	0
LG16AQAAAL	G	NR121001	R4	CY8C20236A-24LKXI	130	5.25	128	79	0
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

Summary for Package Family: QFN 24 records
(COL, 0.6mm, Saw Type, Pb-free)
Sum 1616 0

QFN (Punch Type, Pb-Free)

LY56AGAGL	L	MR114036	R1	CY7C65630-56LFXA	130	3.63	96	30	0
LY56AGAGL	L	MR122010	R1	CY7C65620-56LFXA	130	3.63	96	30	0
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: 4 records
QFN (Punch Type, Pb-Free)
Sum 120 0



QFN (Saw Type, Pb-Free)

LT88AAAAAL	RA	113002	R1B	CY8CTMA884LTI-13ES	130	5.5	256	75	0
LT88AAAAAL	RA	113002	R2	CY8CTMA884LTI-13ES	130	5.5	256	75	0
LT88AAAAAL	RA	113002	R3A	CY8CTMA884LTI-13ES	130	5.5	128	80	0
LQ48AAAAAL	R	MR113039	R1	CY8CTMA340-48LQI-01	130	5.5	128	30	0
LT88AAAAAL	RA	113002	R3A	CY8CTMA884LTI-13ES	130	5.5	256	79	0
LQ48AQAAAL	G	113905	R3	CY8CTMA443-48LQIES	130	5.5	128	80	0
LQ48AQAAAL	G	113905	R4	CY8CTMA443-48LQIES	130	5.5	128	78	0
LQ32DAGLL	CA	MR113038	R1	CY8C20446A-24LQXIT	130	5.25	128	30	0
LQ48AAAAGL	RA	112207	R1	CY8CTMA443-48LQIES	130	5.5	128	77	0
LQ24AQAAAL	G	113401	R1	CY8C20336A-24LQXI	130	5.25	128	79	0
LQ48AQAAAL	G	114101	R2	CY8CTMA443-48LQIES	130	5.5	128	78	0
LQ48AAAAAL	RA	114103	R2	CY8CTMA340-48LQI-09	130	5.5	128	80	0
LT68ADAAGL	RA	114110	R1A1	CY8C5568LTI-114	130	5.5	128	27	0
LT68ADAAGL	RA	114110	R2A	CY8C5568LTI-114	130	5.5	128	27	0
LQ24AQAAAL	G	114401	R2	CY8C20324-12LQXI	130	5.5	128	79	0
LQ32QAAAAAL	G	114401	R3	CY8CTMG240-LQI-01	130	5.5	128	80	0
LQ48AQAAAL	G	114403	R1	CY8CTMA300E-48LQXI	130	5.5	128	80	0
LQ48AQAAAL	G	114403	R2	CY8CTMA300E-48LQXI	130	5.5	192	40	0
LQ48AQAAAL	G	114403	R1	CY8CTMA300E-48LQXI	130	5.5	192	40	0
LQ48AQAAAL	G	114403	R2	CY8CTMA300E-48LQXI	130	5.5	128	80	0
LQ56AQAAAL	G	114404	R1	CY8C24794-24LQXI	130	5.25	128	79	0
LQ56AQAAAL	G	114404	R2	CY8C24794-24LQXI	130	5.25	128	80	0
LQ56AQAAAL	G	114404	R3	CY8C24794-24LQXI	130	5.25	128	80	0
LT40ABAAAL	G	114904	R1	CYRF6986-40LTXC	130	3.03	128	78	0



LT40ABAAAL	G	114904	R2	CYRF6986-40LTXC	130	3.03	128	79	0
LT48AQAAAL	G	114905	R1	CY8C27643-24LTXI	130	5.25	128	80	0
LT48AQAAAL	G	114905	R1	CY8C27643-24LTXI	130	5.25	144	40	0
LT48DQAAAL	G	114905	R3	CY8C3866LTI-068	130	5.5	128	80	0
LT56YAAAAL	G	114906	R1	CY7C65630-56LTXC	130	3.8	128	80	0
LT56YAAAAL	G	114906	R1	CY7C65630-56LTXC	130	3.8	192	45	0
LT68YAAAAL	G	114906	R2-Split1	CY8C3866LTI-030	130	5.5	128	40	0
LT68YAAAAL	G	114906	R2-Split2	CY8C3866LTI-030	130	5.5	128	40	0
LT68YAAAAL	G	114906	R2-Split1	CY8C3866LTI-030	130	5.5	192	40	0
LT32BBAAAL	G	114907	R1	CY8C21434-24LTXI	130	5.25	128	78	0
LQ36AAAAAN	MB	MR113020	R1	CY8CTMA300E-36LQXI	130	5.5	128	30	0
LQ32CCAAL	CA	MR114013	R1	CP6745DMT	130	5.25	128	30	0
LQ56ABAAAL	MB	NR113001	R1	CY8C24794-24LQXIT	130	5.25	128	30	0
LQ56ABAAAL	MB	NR113001	R2	CY8C24794-24LQXIT	130	5.25	128	30	0
LQ56ABAAAL	MB	NR113001	R3	CY8C24794-24LQXIT	130	5.25	128	30	0
LT32BAABGL	RA	MR121015	R1	CY8C21434-24LTXI	130	5.25	128	30	0
LT48ABBAAL	MB	MR114014	R1	CP7408AT	130	5.25	128	30	0
LT48AQAAAL	G	MR114071	R1	CY8C20636A-24LTXI	130	5.25	128	30	0
LT56BDAAGL	AE	MR113050	R1	CG7158DMT	130	5.25	128	30	0
LT88AAAAAL	RA	MR114046	R1	CY8CTMA884LTI-13T	130	5.5	128	30	0
LQ32EPDAGL	RA	MR121013	R1	CY8CTMG240-LQI-01	130	5.25	128	29	0
LQ36AAAAAN	MB	MR114015	R1	CY8CTMA340-LQI-01T	130	5.5	128	25	0
LQ48AAAAAL	RA	MR113059	R1	CG7415AF	130	5.5	128	29	0
LQ48AAAAAL	RA	MR114016	R1	CY8CTMA340-48LQI-09	130	5.25	128	30	0
LQ56AAAAAL	RA	NR114002	R1	CY8C24794-24LQXIT	130	5.25	128	24	0
LQ56AAAAAL	RA	NR114002	R2	CY8C24794-24LQXIT	130	5.25	128	25	0



LT32BAABGL	RA	120204	R1	CG7032AA	130	5.25	192	30	0
LT32BABCGL	RA	120204	R2	CS7224AA	130	5.25	128	79	0
LT32BABCGL	RA	120204	R2	CS7224AA	130	5.25	192	40	0
LQ48AAAAAL	RA	120205	R2	CY8CTMA300E-48LQXI	130	5.25	192	40	0
LT68ADAAGL	RA	120206	R2	CY8C3865LTI-014	130	5.5	192	25	0
LT68ADAAGL	RA	120206	R3	CY8C3865LTI-014	130	5.5	192	25	0
LQ56AAAAAL	RA	NR114002	R3	CY8C24794-24LQXIT	130	5.25	128	24	0
LT32BBAAAL	G	MR121014	R1	CY8C21434-24LTXIT	130	5.25	128	28	0
LT48CQAAAL	G	NR122001	R1	CYWUSB6934-48LTXC	130	3.63	128	79	0
LT48CQAAAL	G	NR122001	R2	CYWUSB6934-48LTXC	130	3.63	128	79	0
LT48CQAAAL	G	NR122001	R3	CYWUSB6934-48LTXC	130	3.63	128	78	0
LT48DQAAAL	G	114905	R3	CY8C3866LTI-068	130	5.5	192	70	0
LQ48AEAAAL	RA	121202	R1	CY8CTMA443-48LQIES3	130	5.5	128	79	0
LQ48AEAAAL	RA	121202	R2	CY8CTMA443-48LQIES3	130	5.5	128	79	0
LQ48AEAAAL	RA	121202	R3	CY8CTMA443-48LQIES3	130	5.5	128	79	0
LQ48AEAAAL	RA	121202	R4	CY8CTMA443-48LQIES3	130	5.5	128	79	0
LQ48AEAAAL	RA	121202	R5	CY8CTMA443-48LQIES3	130	5.5	128	79	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
LQ32QAAALC	G	MR123086	R1	CY8CTST242-LQI-01T	130	5.25	128	35	0
LQ32QAAALC	G	MR123086	R2	CY8CTST242-LQI-01T	130	5.25	128	35	0
LQ48AEAAAL	RA	NR122003	R1	CY8CTMA463-48LQI	130	2.07	128	25	0
LQ48AEAAAL	RA	NR122003	R2	CY8CTMA463-48LQI	130	2.07	128	25	0



LQ48AEAAAL	RA	NR122003	R3	CY8CTMA463-48LQI	130	2.07	128	25	0
Summary for Package Family: QFN (Saw Type, Pb-Free)			77	records					
Sum								3962	0
QSOP (Pb-Free)									
SQ2414ACGN	JT	NR113002	R1	CY7C63823-QXC	130	5.5	128	25	0
Summary for Package Family: QSOP (Pb-Free)			1	records					
Sum								25	0
SNC (Pb-Free)									
SY2831BCLN	JT	MR114017	R1	CY62256NLL-70SNXC	130	5.5	128	30	0
SY2831BHN	JT	MR123036	R1	CG7261AT	130	5.5	96	30	0
Summary for Package Family: SNC (Pb-Free)			2	records					
Sum								60	0
SOIC (Pb Free)									
SZ815PAEGN	RA	MR114001	R1	CY2305SXI-1H	130	3.63	128	30	0
SZ183CPEAN	RA	MR113016	R1	CY7C63723C-SXC	130	5.5	128	30	0
SZ32458CLN	JT	MR114002	R1	CY62128ELL-45SXIT	130	3.6	128	30	0
SZ815CGAAS	M	MR114037	R1	CY2305CSXA-1H	130	3.63	96	30	0
SZ1615FAL	T	MR114019	R1	CY7C63801-SXC	130	5.5	128	30	0
SZ1615BKGN	RA	MR121006	R1	CY8C21234-24SXI	130	5.25	128	30	0
SZ1615FAL	T	122206	R1	CY8C20237-24SXI	130	5.25	128	80	0
SZ1615FAL	T	122206	R1	CY8C20237-24SXI	130	5.25	192	25	0
SZ1615FAL	T	122206	R2	CY8C20237-24SXI	130	5.25	128	79	0
SZ1615FAL	T	122206	R2	CY8C20237-24SXI	130	5.25	192	25	0
SZ1615FAL	T	122206	R3	CY8C20237-24SXI	130	5.25	128	80	0
SZ1615FAL	T	122206	R3	CY8C20237-24SXI	130	5.25	192	25	0



SZ815CGAAS	M	MR121028	R1	CY2305CSXA-1HT	130	3.6	96	30	0
SZ324513AN	JT	MR121058	R1	CY62128BNLL-70SXA	130	5.5	96	30	0
SZ815CGAAS	M	MR122005	R1	CY2305CSXA-1HT	130	3.63	128	30	0
SZ324513AN	JT	MR122012	R1	CY62128BNLL-70SXET	130	5.5	96	30	0
SZ815PAEGN	RA	MR122018	R1	CY2305SXI-1HT	130	3.63	128	30	0
SZ32451DLL	JT	MR122039	R1	CY62138FV30LL-45SXI	110	3.6	128	29	0
SZ2035BAAL	JT	MR122048	R1	CY8C27243-24SXIT	130	5.25	128	30	0

Summary for Package Family: SOIC (Pb Free) 19 records

Sum 703 0

SOJ

V243GAAAGN	X	MR113065	R1	CY7C197BN-15VC	130	5.5	128	30	0
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Summary for Package Family: SOJ 1 records

Sum 30 0

SOJ (Pb-Free)

VZ444ACBLN	R	MR113049	R1	CG7109AM	130	5.5	128	30	0
VZ2847AAAR	OP	MR114074	R1	CY7C107D-10VXI	130	5.5	128	30	0
VZ32420DLL	JT	NR113003	R1	CY7C109D-10VXI	130	5.5	128	25	0
VZ444ADDLN	JT	NR114001	R2	CY7C1041DV33-10VXI	130	3.6	128	25	0
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

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

Sum 230 0

SSOP (Pb-Free)

SP28214GL	T	MR113052	R1	CY8C21534-24PVXI	130	5.25	128	30	0
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SP2822BGL	M	MR113037	R1A	CY8C21534-24PVXAT8	130	5.25	96	30	0
SP2822BGL	M	MR114003	R1	CP7407ATT	130	5.25	96	30	0
SP2822BGL	M	MR114003	R1	CP7407ATT	130	5.25	96	30	0
SP282ABBGN	RA	MR114023	R1	CY8C24533-24PVXI	130	5.25	128	30	0
SP28213GL	T	MR114080	R1	CY8C29466-24PVXI	130	5.25	128	30	0
SP483EBCAL	JT	NR113007	R1	CY8C27643-24PVXI	130	5.25	128	25	0
SP563DBCGN	JT	NR113007	R3	CY7C68013A-56PVXC	130	3.63	128	25	0
SP563DBCGN	JT	NR113007	R2	CY7C68013A-56PVXC	130	3.63	128	25	0
SP2822BGL	M	MR121029	R1	CY8C21534-24PVXAT	130	5.25	128	27	0
SP2822BGL	M	MR122006	R1	CY8C21534-12PVXET	130	5.25	96	30	0
SP282ABBGN	RA	MR122004	R1	CY8C27443-24PVXIT	130	5.25	128	30	0
SP483EBCAL	JT	MR114073	R2	CY8C29666-24PVXI	130	5.25	128	30	0
SP563DBCGN	JT	MR121016	R1	CY7C68013A-56PVXC	130	3.63	128	30	0
SP563DBCGN	JT	MR122025	R1	CY7C68013A-56PVXC	130	3.63	128	30	0
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

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

Sum 522 0

TQFP

A64IBAABL N JT NR113005 R3 CY7C144AV-25ACKJ 130 5.5 128 25 0

Summary for Package Family: TQFP 1 record

Sum 25 0

TQFP (Pb-Free)

AZ100SFKAL RA 112302 R1A CY8C5568AXI-060 130 5.5 128 40 0

AZ100RUBLN R MR113022 R1 CY7C1350G-200AXC 130 3.63 128 30 0



AZ100RBCLN	JT	MR114041	R1	CY7C1370D-167AXI	130	3.6	128	30	0
AZ100RUBLN	R	MR112043	R1	CY7C1350G-200AXC	130	3.63	128	30	0
AZ100RJBLN	RA	MR114059	R1	CY7C68014A-100AXC	130	3.63	128	30	0
AZ64IBABLN	JT	NR113005	R2	CY7C4265-10AXIKJ	130	5.5	128	25	0
AZ100RUCLN	JT	NR113006	R1	CY7C68013A-100AXCKJ	130	3.63	128	25	0
AZ100RUCLN	JT	NR113006	R2	CY7C68013A-100AXIKJ	130	3.63	128	25	0
AZ100RJBLN	R	MR121042	R1	CY7C1350G-200AXCT	130	3.3	128	30	0
AZ100RVLN	JT	MR121033	R1	CY7C68320C-100AXA	130	3.63	128	30	0
AZ100SECGL	JT	110601	R1	CY7CS65T5A-125AXI	130	3	256	88	0
AZ100RYCLN	JT	MR121021	R1	CY7C1360C-166AXI	130	3.3	128	30	0
Summary for Package Family: TQFP (Pb-Free)			12	records					
Sum								413	0
TSOP (Pb-free)									
ZT28R2BCLN	JT	NR113004	R3	CY62256VNLL-70ZXC	130	3.6	128	25	0
ZT28R4BAGL	JT	NR113004	R2	CY7C1399BN-12ZXC	130	3.63	128	25	0
Summary for Package Family: TSOP (Pb-free)			2	records					
Sum								50	0
TSOP I (Pb-Free)									
ZB32RHCALN	JT	MR114008	R1	CY62138FV30LL-45ZAXI	130	3.6	128	30	0
ZB32RKALL	T	MR114011	R1	CY62128EV30LL-45ZAXI	130	3.6	128	30	0
ZB32RHCALN	JT	NR113004	R1	CY62138FV30LL-45ZAXI	130	3.6	128	25	0
Summary for Package Family: TSOP I (Pb-Free)			3	records					
Sum								85	0
TSOP II (Pb-Free)									
ZW444YBLL	R	MR113006	R1	CY7C1041BN-15ZXIT	130	3.65	128	30	0
ZW444ALLR	G	MR113047	R1	CY7C1051DV33-10ZSXI	130	3.65	128	30	0



ZW444AHLL	R	MR114007	R1	CY62126EV30LL-55ZSXE	130	3.63	96	30	0
ZW444ABXAGL	RA	MR114027	R1	CY62137EV30LL-45ZSXI	130	3.6	128	30	0
ZW444ALLR	G	MR114043	R1	CY7C1051DV33-10ZSXI	130	3.6	128	30	0
ZW544AALL	G	MR121022	R1	CY7C1069AV33-10ZXCT	130	3.6	128	30	0
ZW444AKCLN	R	MR114064	R1	CY7C1011CV33-12ZSXE	130	3.65	96	30	0
ZW444AHILL	JT	MR114069	R1	CY62126EV30LL-45XAKJ	130	3.6	96	30	0
ZW444AXAGL	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
Summary for Package Family: TSOP II (Pb-Free)			14	records					
Sum								419	0
RTSOP (Pb-free)									
ZY28R2CLN		MR114009	R1	CY62256VNLL-70ZRXIT	130	3.63	128	30	0
Summary for Package Family: RTSOP (Pb-free)			1	records					
Sum								30	0
TSSOP (Pb-Free)									
ZZ1620GBAGN	RA	MR122015	R1	CY2309ZC-1HT	130	3.8	128	30	0
ZZ1620GCAN	RA	MR122019	R1	CY2309ZXC-1HT	130	3.8	128	30	0
Summary for Package Family: TSSOP (Pb-Free)			2	records					
Sum								60	0
VFBGA (0.75-0.8, 0.3mm)									
BV48ATALE	RA	MR114066	R1	CY62157DV30LL-55BVIT	110	3.6	264	30	0
BV48BNALE	G	MR113066	R1	CY62167DV30LL-70BVI	110	3.6	264	30	0



BV48DAAALE	RA	MR114010	R1	CY62137FV30LL-45BVIT	110	3.6	264	30	0
Summary for Package Family: VFBGA (0.75-0.8, 0.3mm)			3	records					
Sum								90	0

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

BZ48CNAALL	G	MR114075	R2	CY62167DV30LL-55BVXI	110	3.6	264	30	0
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
Summary for Package Family: VFBGA (0.75-0.8, 0.3mm, Pb-Free)			10	records					
Sum								273	0



Summary Detail -- HTS Performance Over Time

BUILDKIT	ASSY SITE	EVALNUM	TV	DEVICE	TEMP	VOLT	READOUT	SS	REJECT	FA	COMMENTS
UFBGA (Pb-free)											
BU60AAAAAL	G	121302	R4	CY8CTMA463-60BUIES2	150	0	1000	75	0		
BU84AAAAAL	G	121302	R1	CY8CTMA1036BUI-33ES2	150	0	500	76	0		
BU84AAAAAL	G	121302	R1	CY8CTMA1036BUI-33ES2	150	0	1000	76	0		
BU60AAAAAL	G	121302	R4	CY8CTMA463-60BUIES2	150	0	500	76	0		
BU60AAAAAL	G	MR123040	R1	CY8CTMA463-60BUI	150	0	500	28	0		
BU60AAAAAL	G	NR122006	R1	CY8CTMA463-60BUI	150	0	1000	25	0		
BU60AAAAAL	G	NR122006	R1	CY8CTMA463-60BUI	150	0	500	25	0		
BU60AAAAAL	G	NR122006	R2	CY8CTMA463-60BUI	150	0	1000	25	0		
BU60AAAAAL	G	NR122006	R2	CY8CTMA463-60BUI	150	0	500	25	0		
BU60AAAAAL	G	NR122006	R3	CY8CTMA400-60BUI	150	0	1000	25	0		
BU60AAAAAL	G	NR122006	R3	CY8CTMA400-60BUI	150	0	500	25	0		
Summary for Package Family: UFBGA (Pb-free)			11	records							
Sum								481	0		
FBGA (0.75-0.8, 0.3mm)											
BA48ZGALE	G	MR113048	R1	CY7C1021BNV33L-15BAI	150	0	500	30	0		
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		
Summary for Package Family: FBGA (0.75-0.8, 0.3mm)			7	records							



Sum

210 0

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

BK48DZAAAL	G	113205	R1	CY7C1081DV33-12BAXI	150	0	500	80	0
BK48DZAAAL	G	113303	R1	CY7C1081DV33-12BAXI	150	0	500	80	0
BK48DZAAAL	G	113303	R1	CY7C1081DV33-12BAXI	150	0	1000	80	0
BK48DLBLL	G	MR113033	R1	CY62187EV30LL-55BAXI	150	0	1000	30	0
BK121BGAGL	RA	114603	R3	CYUSB3014-BZXIES	150	0	500	82	0
BK121BGAGL	RA	114603	R3	CYUSB3014-BZXIES	150	0	1000	82	0
BK121BGAGL	RA	114603	R3	CYUSB3014-BZXIES	150	0	1500	82	0
BK48DJALL	G	MR114042	R1	CY62177DV30LL-55BAXI	150	0	500	30	0
BK48DJALL	G	MR121049	R1	CY62177DV30LL-55BAXI	150	0	500	28	0
BK121DGAGL	G	115001	R1	CYUSB3014-BZXIES	150	0	2000	89	0
BK121DGAGL	G	120403	R1	CYUSB3014-BZXIES	150	0	2000	81	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

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

20 records

Sum

1062 0



FBGA (1.0-1.27)

BB165AHLE	G	MR113034	R1	CY7C1420SV18-250BZC	150	0	1000	29	0
BB165AVLE	RA	MR114038	R1	CY7C1305TV25-167BZC	150	0	500	30	0
BB165AVLE	RA	MR114038	R1	CY7C1305TV25-167BZC	150	0	1000	30	0
BB165RNALE	RA	MR114058	R1	CY7C1312KV18-250BZC	150	0	500	30	0
BB165RNALE	RA	MR114058	R1	CY7C1312KV18-250BZC	150	0	1000	30	0
BB165RNALE	RA	MR121017	R1	CY7C1313KV18-250BZC	150	0	500	30	0
BB165RNALE	RA	MR121017	R1	CY7C1313KV18-250BZC	150	0	1000	30	0
BB165AHLE	G	MR121020	R1	CY7C1420BV18-200BZC	150	0	500	30	0
BB165RNALE	RA	MR122017	R1	CY7C1312KV18-250BZC	150	0	500	30	0
BB165BUALE	G	MR122029	R1	CY7C1512KV18-250BZC	150	0	500	30	0
BB165RNALE	RA	MR122017	R1	CY7C1312KV18-250BZC	150	0	1000	30	0
BB165RNALE	RA	MR122017	R1	CY7C1312KV18-250BZC	150	0	1000	30	0

Summary for Package Family: FBGA (1.0-1.27)

12 records

Sum 359 0

FBGA (1.0-1.27, Pb-free)

BW165GAALL	RA	MR113018	R1	CY7C1512KV18-250BZXI	150	0	1000	30	0
BW165RJALL	RA	MR113074	R1	CY7C1412KV18-250BZXI	150	0	500	30	0
BW165RJALL	RA	MR113074	R1	CY7C1412KV18-250BZXI	150	0	1000	30	0
BW165RJALL	RA	MR114039	R1	CY7C1414KV18-250BZXI	150	0	500	30	0
BW165RJALL	RA	MR114039	R1	CY7C1414KV18-250BZXI	150	0	1000	30	0
BW165GAALL	RA	MR113018	R1	CY7C1512KV18-250BZXI	150	0	1500	29	0
BW165RJALL	RA	MR121035	R1	CY7C1414KV18-250BZXC	150	0	500	30	0
BW165RJALL	RA	MR121035	R1	CY7C1414KV18-250BZXC	150	0	1000	30	0



BW100EAGL	G	MR121055	R1	CYP15G0101DXB-BBXC	150	0	500	30	0
BW100EAGL	G	MR121055	R1	CYP15G0101DXB-BBXC	150	0	1000	30	0
BW165BUALL	G	MR121059	R1	CY7C1512KV18-250BZXC	150	0	500	30	0
BW165BUALL	G	MR121059	R1	CY7C1512KV18-250BZXC	150	0	1000	30	0
BW165RJALL	RA	MR122009	R1	CY7C1412KV18-250BZXI	150	0	500	30	0
BW100EAGL	G	MR122020	R1	CYP15G0101DXB-BBXC	150	0	500	30	0
BW165RTALL	RA	120609	R1	CY7C16131KV18-300BZXC	150	0	1000	99	0
BW165RTALL	RA	120609	R1	CY7C16131KV18-300BZXC	150	0	1500	89	0
BW165RTALL	RA	120609	R2	CY7C16131KV18-300BZXC	150	0	1000	118	0
BW165RTALL	RA	120609	R2	CY7C16131KV18-300BZXC	150	0	1500	118	0
BW165GAALL	RA	120610	R1	CY7C1512KV18-250BZXC	150	0	1000	99	0
BW165GAALL	RA	120610	R1	CY7C1512KV18-250BZXC	150	0	1500	89	0
BW165GAALL	RA	120610	R1	CY7C1512KV18-250BZXC	150	0	2000	89	0
BW165GAALL	RA	120610	R2	CY7C1512KV18-250BZXC	150	0	1000	120	0
BW165GAALL	RA	120610	R2	CY7C1512KV18-250BZXC	150	0	1500	120	0
BW165GAALL	RA	120610	R2	CY7C1512KV18-250BZXC	150	0	2000	120	0
BW165BUALL	G	120612	R1	CY7C1512KV18-250BZXC	150	0	1000	85	0
BW165BUALL	G	120612	R1	CY7C1512KV18-250BZXC	150	0	1500	75	0
BW165BUALL	G	120612	R2	CY7C1512KV18-250BZXC	150	0	1000	100	0
BW165BUALL	G	120612	R2	CY7C1512KV18-250BZXC	150	0	1500	100	0
BW165BUALL	G	120612	R3	CY7C1512KV18-250BZXC	150	0	1000	100	0
BW165BUALL	G	120612	R3	CY7C1512KV18-250BZXC	150	0	1500	100	0
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
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

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

44 records

Sum

2911 0

PBGA (1.27)

BG119SALE	G	MR114040	R1	CY7C1366C-166BGC	150	0	500	30	0
BG119SALE	G	MR114040	R1	CY7C1366C-166BGC	150	0	1000	30	0

Summary for Package Family: PBGA (1.27)

2 records

Sum

60 0

FLIPCHIP CSP (Pb-Free)

FNDXIT	AU	112201	R1	7C071011C	150	0	1000	77	0
FN49ABAAAL	AU	MR112078	R1	CG7411AMT	150	0	500	30	0
FN49ABAAAL	AU	MR112078	R1	CG7411AMT	150	0	1000	27	0
FN81AGAN	AU	MR114061	R2	CYWB0124ABX-FDXIT	150	0	500	30	0
FN81AGAN	AU	MR114061	R2	CYWB0124ABX-FDXIT	150	0	1000	30	0
FN81AGAN	AU	MR113060	R1	CYWB0124ABX-FDXIT	150	0	1000	30	0
FN49ACAAAL	GQ	MR113072	R1	CY8CTMA340-FNI-09T	150	0	500	30	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

Summary for Package Family: FLIPCHIP CSP (Pb-Free) **10**

records

Sum

344 0

PBGA (Cavity/Heat Sink, Pb-free)

BJ256L2GL	G	MR121007	R1	CYP15G0401DXB-BGXI	150	0	500	30	0
BJ256L2GL	G	MR121007	R1	CYP15G0401DXB-BGXI	150	0	1000	30	0

Summary for Package Family: PBGA (Cavity/Heat Sink, Pb-free) **2**

records

Sum

60 0

PDIP (Pb-Free)

PZ243AAAGN	X	MR113012	R1	CY7C63743C-PXC	150	0	1000	30	0
PZ183DPDGN	RA	MR113011	R1	CY7C63723C-PXC	150	0	1000	30	0
PZ183DPBGN	RA	MR113087	R1	CS6632AF	150	0	500	30	0
PZ183DPBGN	RA	MR113087	R1	CS6632AF	150	0	1000	30	0
PZ183EAAGN	X	MR114021	R1	CY7C63723C-PXC	150	0	500	30	0
PZ183EAAGN	X	MR114021	R1	CY7C63723C-PXC	150	0	1000	30	0
PZ183DPDGN	RA	MR121012	R1	CP6238BM	150	0	500	30	0
PZ183DPDGN	RA	MR121012	R1	CP6238BM	150	0	1000	30	0
PZ283ACAGL	X	MR121051	R1	CY7C199CN-15PXC	150	0	500	30	0
PZ283ACAGL	X	MR121051	R1	CY7C199CN-15PXC	150	0	1000	30	0
PZ286EAAGN	X	MR121053	R1	CY62256NLL-70PXC	150	0	500	30	0
PZ286EAAGN	X	MR121053	R1	CY62256NLL-70PXC	150	0	1000	30	0
PZ183DPDGN	RA	MR122016	R1	CY7C63723C-PXC	150	0	500	30	0



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

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

Sum 630 0

PLCC (Pb-Free)

JZ52SGGAAN	M	113405	R1	CY7C136E-55JXC	150	0	1000	80	0
JZ52SGGAAN	M	113405	R1	CY7C136E-55JXC	150	0	1500	80	0
JZ52SFGAN	M	MR114045	R1	CY7C136-25JXC	150	0	500	30	0
JZ52SFGAN	M	MR114045	R1	CY7C136-25JXC	150	0	1000	30	0
JZ52SFGAN	M	MR121054	R1	CY7C131-55JXC	150	0	500	30	0
JZ52SFGAN	M	MR121054	R1	CY7C131-55JXC	150	0	1000	29	0

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

Sum 279 0

PQFP (Pb-free)

NZ52EAALL	M	113405	R3	CY7C136E-55JXC	150	0	1000	80	0
NZ52DXGAN	G	MR114028	R1	CY7C136A-55NXI	150	0	500	30	0
NZ52DXGAN	G	MR113056	R1	CY7C136A-55NXI	150	0	1000	30	0
NZ52DXGAN	G	MR121041	R1	CY7C131-55NXC	150	0	500	30	0
NZ52DXGAN	G	MR114028	R1	CY7C136A-55NXI	150	0	1000	30	0



NZ52DXGAN	G	MR121041	R1	CY7C131-55NXC	150	0	1000	30	0
NZ52DXGAN	G	MR122023	R1	CY7C131-55NXC	150	0	500	30	0
NZ52DXGAN	G	MR122023	R1	CY7C131-55NXC	150	0	1000	30	0

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

Sum 290 0

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

LG16AAAAL	MB	MR112021	R1	CY8C20236A-24LKXIT	150	0	1000	30	0
LG16AQAAAL	G	114903	R1	CY8C20236A-24LKXI	150	0	1000	110	0
LG16AQAAAL	G	114903	R4	CY8C20224-12LKXI	150	0	1000	90	0
LG16AQAAAL	G	114903	R4	CY8C20224-12LKXI	150	0	1500	78	0
LG16AQAAAL	G	114903	R5	CY8C20110-LDX2I	150	0	1000	100	0
LG16AQAAAL	G	114903	R5	CY8C20110-LDX2I	150	0	1500	99	0
LG16ABAALL	L	MR112052	R1	CP7194FT	150	0	1000	30	0
LG16AEAAAL	MB	MR113019	R1	CY8C20236A-24LKXIT	150	0	500	30	0
LG16AEAAAL	MB	MR113019	R1	CY8C20236A-24LKXIT	150	0	1000	30	0
LG16ABAALL	L	MR113029	R1	CS7412AT	150	0	500	30	0
LG16ABAALL	L	MR113029	R1	CS7412AT	150	0	1000	30	0
LG16AQAAAL	G	112603	R1	CY8C20236A-24LKXI	150	0	1000	80	0
LG16AQAAAL	G	114903	R4	CY8C20224-12LKXI	150	0	2000	78	0
LG16AQAAAL	G	114903	R4	CY8C20224-12LKXI	150	0	2500	77	0
LG16AQAAAL	G	114903	R5	CY8C20110-LDX2I	150	0	2000	99	0
LG16AQAAAL	G	114903	R5	CY8C20110-LDX2I	150	0	2500	99	0
LG16ABAALL	L	MR114030	R1	CG7471AMT	150	0	500	30	0
LG16ABAALL	L	MR114030	R1	CG7471AMT	150	0	1000	30	0
LG16ABAALL	L	MR114032	R1	CY8C20236A-24LKXIT	150	0	500	30	0
LG16ABAALL	L	MR114032	R1	CY8C20236A-24LKXIT	150	0	1000	30	0



LG16AEAAAL	MB	MR121047	R1	CY8C20236A-24LKXIT	150	0	500	30	0
LG16AQAAAL	G	NR121001	R1	CY8C20236A-24LKXI	150	0	500	90	0
LG16AQAAAL	G	NR121001	R2	CY8C20236A-24LKXI	150	0	500	90	0
LG16AQAAAL	G	NR121001	R2	CY8C20236A-24LKXI	150	0	1000	90	0
LG16AQAAAL	G	NR121001	R3	CY8C20236A-24LKXI	150	0	500	90	0
LG16AQAAAL	G	NR121001	R3	CY8C20236A-24LKXI	150	0	1000	90	0
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

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

31 records
1976 0

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

LK32AABAGL	L	MR114033	R1	CG7361AMT			500	30	0
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Summary for Package Family: QFN (0.6mm, Punch Type, Pb-Free)
Sum

1 records
30 0

QFN (Punch Type, Pb-Free)

LY24BGAGL	L	MR112059	R1	CY8C21323-24LFXIT	150	0	1000	30	0
LY24BGAGL	L	MR113040	R1	CY8C21323-24LFXIT	150	0	500	30	0
LY56AGAGL	L	MR114036	R1	CY7C65630-56LFXA	150	0	1000	30	0
LY56DGAGL	L	MR114035	R1	CY8CTMG120-56LFXA	150	0	1000	30	0



LY56AGAGL	L	MR121030	R1	CY7C65630-56LFXA	150	0	1000	30	0
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

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

9

records

270 0

QFN (Saw Type, Pb-Free)

LQ48AAAAAL	R	MR113039	R1	CY8CTMA340-48LQI-01	150	0	1000	30	0
LQ32DAGLL	CA	MR113038	R1	CY8C20446A-24LQXIT	150	0	1000	30	0
LT88AAAAAL	RA	113804	R1	CY8CTMA884LTI-13ES	150	0	1000	80	0
LT68ADAAGL	RA	114110	R1A1	CY8C5568LTI-114	150	0	500	80	0
LT68ADAAGL	RA	114110	R1A1	CY8C5568LTI-114	150	0	1000	80	0
LQ48AQAAAL	G	114403	R3	CY8CTMA300E-48LQXI	150	0	500	220	0
LQ48AQAAAL	G	114403	R3	CY8CTMA300E-48LQXI	150	0	1000	220	0
LQ48AQAAAL	G	114403	R2	CY8CTMA300E-48LQXI	150	0	1000	210	0
LQ48AQAAAL	G	114403	R3	CY8CTMA300E-48LQXI	150	0	1500	220	0
LQ48AQAAAL	G	114403	R2	CY8CTMA300E-48LQXI	150	0	1500	210	0
LQ48AQAAAL	G	114403	R1	CY8CTMA300E-48LQXI	150	0	1500	200	0
LQ48AQAAAL	G	114403	R1	CY8CTMA300E-48LQXI	150	0	500	220	0
LQ48AQAAAL	G	114403	R2	CY8CTMA300E-48LQXI	150	0	500	220	0
LQ48AQAAAL	G	114403	R1	CY8CTMA300E-48LQXI	150	0	1000	210	0
LT68ADAAGL	RA	114407	R4	CY8C5568LTI-114	150	0	500	80	0
LT68ADAAGL	RA	114407	R4	CY8C5568LTI-114	150	0	1000	80	0
LT48AQAAAL	G	114905	R1	CY8C27643-24LTXI	150	0	500	120	0



LT48AQAAAL	G	114905	R1	CY8C27643-24LTXI	150	0	1000	110	0
LT56YAAAAL	G	114906	R1	CY7C65630-56LTXC	150	0	500	80	0
LT68YAAAAL	G	114906	R2	CY8C3866LTI-030	150	0	500	80	0
LT88AAAAAL	RA	115101	R3	CY8CTMA884LTI-13ES	150	0	500	80	0
LT68ADAAGL	RA	115102	R1	CY8C5568LTI-114	150	0	500	80	0
LT68ADAAGL	RA	115102	R1	CY8C5568LTI-114	150	0	1000	80	0
LQ44AAAAALN	G	120407	R4	CY8CTMA443-44LXIES	150	0	1000	79	0
LQ44AAAAALN	G	120407	R4	CY8CTMA443-44LXIES	150	0	500	80	0
LQ32CCAAL	CA	MR114013	R1	CP6745DMT	150	0	500	30	0
LQ32CCAAL	CA	MR114013	R1	CP6745DMT	150	0	1000	30	0
LQ56ABAAAL	MB	NR113001	R1	CY8C24794-24LQXIT	150	0	500	30	0
LQ56ABAAAL	MB	NR113001	R1	CY8C24794-24LQXIT	150	0	1000	30	0
LQ56ABAAAL	MB	NR113001	R2	CY8C24794-24LQXIT	150	0	500	30	0
LQ56ABAAAL	MB	NR113001	R2	CY8C24794-24LQXIT	150	0	1000	30	0
LQ56ABAAAL	MB	NR113001	R3	CY8C24794-24LQXIT	150	0	500	30	0
LQ56ABAAAL	MB	NR113001	R3	CY8C24794-24LQXIT	150	0	1000	30	0
LT32BAAAGL	CA	MR113021	R1	CY8C21434-24LTXIT	150	0	500	29	0
LT56BDAAGL	AE	MR113050	R1	CG7158DMT	150	0	500	30	0
LQ48AAAAAL	RA	MR113059	R1	CG7415AF	150	0	1000	30	0
LQ48AAAAAL	RA	MR114016	R1	CY8CTMA340-48LQI-09	150	0	500	30	0
LQ48AAAAAL	RA	MR114016	R1	CY8CTMA340-48LQI-09	150	0	1000	30	0
LQ48AQAAAL	G	MR114025	R1	CY8CTMA340-48LQI-01T	150	0	500	30	0
LQ56AAAAAL	RA	NR114002	R1	CY8C24794-24LQXIT	150	0	500	25	0
LQ56AAAAAL	RA	NR114002	R2	CY8C24794-24LQXIT	150	0	500	25	0
LQ56AAAAAL	RA	NR114002	R1	CY8C24794-24LQXIT	150	0	1000	25	0
LQ56AAAAAL	RA	NR114002	R2	CY8C24794-24LQXIT	150	0	1000	25	0



LQ56AAAAAL	RA	NR114002	R3	CY8C24794-24LQXIT	150	0	500	25	0
LQ48AQAAAL	G	114403	R1	CY8CTMA300E-48LQXI	150	0	2000	200	0
LQ48AQAAAL	G	114403	R1	CY8CTMA300E-48LQXI	150	0	2500	200	0
LQ48AQAAAL	G	114403	R1	CY8CTMA300E-48LQXI	150	0	3000	200	0
LQ48AQAAAL	G	114403	R2	CY8CTMA300E-48LQXI	150	0	2000	210	0
LQ48AQAAAL	G	114403	R2	CY8CTMA300E-48LQXI	150	0	2500	205	0
LQ48AQAAAL	G	114403	R2	CY8CTMA300E-48LQXI	150	0	3000	200	0
LQ48AQAAAL	G	114403	R3	CY8CTMA300E-48LQXI	150	0	2000	220	0
LQ48AQAAAL	G	114403	R3	CY8CTMA300E-48LQXI	150	0	2500	220	0
LQ48AQAAAL	G	114403	R3	CY8CTMA300E-48LQXI	150	0	3000	220	0
LT48AQAAAL	G	114905	R1	CY8C27643-24LTXI	150	0	1500	100	0
LT48AQAAAL	G	114905	R1	CY8C27643-24LTXI	150	0	2000	95	0
LT56YAAAAAL	G	114906	R1	CY7C65630-56LTXC	150	0	1000	80	0
LT56YAAAAAL	G	114906	R1	CY7C65630-56LTXC	150	0	1500	80	0
LT68YAAAAAL	G	114906	R2	CY8C3866LTI-030	150	0	1000	80	0
LT68YAAAAAL	G	114906	R2	CY8C3866LTI-030	150	0	1500	80	0
LT32BAABGL	RA	120204	R1	CG7032AA	150	0	1500	97	0
LT32BAABGL	RA	120204	R1	CG7032AA	150	0	2000	97	0
LT32BABCGL	RA	120204	R2	CS7224AA	150	0	1500	97	0
LT32BABCGL	RA	120204	R2	CS7224AA	150	0	2000	97	0
LT32BABCGL	RA	120204	R3	CS7224AA	150	0	1500	97	0
LT32BABCGL	RA	120204	R3	CS7224AA	150	0	2000	97	0
LQ48AAAAAL	RA	120205	R1	CY8CTMA300E-48LQXI	150	0	1500	94	0
LQ48AAAAAL	RA	120205	R1	CY8CTMA300E-48LQXI	150	0	2000	94	0
LQ48AAAAAL	RA	120205	R1	CY8CTMA300E-48LQXI	150	0	2500	94	0
LQ48AAAAAL	RA	120205	R2	CY8CTMA300E-48LQXI	150	0	1500	104	0



LQ48AAAAAL	RA	120205	R2	CY8CTMA300E-48LQXI	150	0	2000	104	0
LQ48AAAAAL	RA	120205	R2	CY8CTMA300E-48LQXI	150	0	2500	104	0
LQ48AAAAAL	RA	120205	R3	CY8CTMA300E-48LQXI	150	0	1500	104	0
LQ48AAAAAL	RA	120205	R3	CY8CTMA300E-48LQXI	150	0	2000	103	0
LQ48AAAAAL	RA	120205	R3	CY8CTMA300E-48LQXI	150	0	2500	103	0
LT32BAAAGL	CA	MR113021	R1	CY8C21434-24LTXIT	150	0	1000	28	0
LT32BBAAAL	G	MR121014	R1	CY8C21434-24LTXIT	15	0	500	30	0
LT32BBAAAL	G	MR121014	R1	CY8C21434-24LTXIT	15	0	1000	30	0
LT48ABBAAL	MB	MR114014	R1	CP7408AT	150	0	1000	30	0
LQ56AAAAAL	RA	NR114002	R3	CY8C24794-24LQXIT	150	0	1000	25	0
LT56BDAAGL	AE	MR113050	R1	CG7158DMT	150	0	1000	30	0
LT56BDAAGL	AE	MR114012	R1	CG7243AMT	150	0	500	30	0
LT48AQAAAL	G	MR114071	R1	CY8C20636A-24LTXI	150	0	500	30	0
LT32BAABGL	RA	MR121015	R1	CY8C21434-24LTXI	150	0	500	30	0
LT56BDAAGL	AE	MR121038	R1	CG7243AMT	150	0	500	30	0
LT32BAABGL	RA	MR122002	R1	CY8C21434-24LTXIT	150	0	500	30	0
LT56BCAAGL	AE	MR122026	R1	CY7C65631-56LTXCT	150	0	500	30	0
LT56YAAAAL	G	MR122027	R1	CY7C65640A-LTXC	150	0	500	30	0
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
LT56YAAAAL	G	114906	R1	CY7C65630-56LTXC	150	0	2000	80	0
LT68YAAAAL	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
LQ32QAAALC	G	MR123086	R1	CY8CTST242-LQI-01T	150	0	500	90	0
LQ32QAAALC	G	MR123086	R2	CY8CTST242-LQI-01T	150	0	500	90	0



LQ32QAAALC	G	MR123086	R3	CY8CTST242-LQI-01T	150	0	500	90	0
LQ32QAAALC	G	MR123086	R4	CY8CTST242-LQI-01T	150	0	500	90	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
LQ48AEAAAL	RA	NR122003	R1	CY8CTMA463-48LQI	150	0	1000	25	0
LQ48AEAAAL	RA	NR122003	R1	CY8CTMA463-48LQI	150	0	500	25	0
LQ48AEAAAL	RA	NR122003	R2	CY8CTMA463-48LQI	150	0	1000	25	0
LQ48AEAAAL	RA	NR122003	R2	CY8CTMA463-48LQI	150	0	500	25	0
LQ48AEAAAL	RA	NR122003	R3	CY8CTMA463-48LQI	150	0	1000	25	0
LQ48AEAAAL	RA	NR122003	R3	CY8CTMA463-48LQI	150	0	500	25	0
LQ48ADAAAL	G	NR122005	R1	CY8CTMA463-48LQI	150	0	1000	25	0
LQ48ADAAAL	G	NR122005	R1	CY8CTMA463-48LQI	150	0	500	25	0
LQ48ADAAAL	G	NR122005	R2	CY8CTMA463-48LQI	150	0	1000	25	0
LQ48ADAAAL	G	NR122005	R2	CY8CTMA463-48LQI	150	0	500	25	0
LQ48ADAAAL	G	NR122005	R3	CY8CTMA463-48LQI	150	0	1000	25	0
LQ48ADAAAL	G	NR122005	R3	CY8CTMA463-48LQI	150	0	500	25	0

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

138

records

Sum

**1068
9**

0

QSOP (Pb-Free)

SQ2414ACGN	JT	NR113002	R1	CY7C63823-QXC	150	0	500	25	0
SQ2414ACGN	JT	NR113002	R1	CY7C63823-QXC	150	0	1000	25	0

Summary for Package Family: QSOP (Pb-Free)

2

records

Sum

50

0



SNC (Pb-Free)

SY2831BCLN	JT	MR114017	R1	CY62256NLL-70SNXC	150	0	500	30	0
SY2831BCLN	JT	MR114017	R1	CY62256NLL-70SNXC	150	0	1000	30	0

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

Sum 60 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)

SZ28327BGL	R	MR104070	R1	CY8C21345-24SXI	150	0	1000	30	0
SZ24315EGN	RA	MR112032	R1	CY7C63743C-SXC	150	0	1000	28	0
SZ815PAEGN	RA	MR114001	R1	CY2305SXI-1H	150	0	500	30	0
SZ815PAEGN	RA	MR114001	R1	CY2305SXI-1H	150	0	1000	30	0
SZ323ABAGS	M	MR101047	R1	CY14B101L-SZ45XC	150	0	1000	28	0
SZ324513BN	R	MR113002	R1	CY62128BNLL-55SXI	150	0	1000	30	0
SZ183CPEAN	RA	MR113016	R1	CY7C63723C-SXC	150	0	1000	30	0
SZ32458CLN	JT	MR114002	R1	CY62128ELL-45SXIT	150	0	500	30	0
SZ815CGAAS	M	MR114037	R1	CY2305CSXA-1H	150	0	1000	30	0
SZ1615FAL	T	MR112065	R1	CY7C63803-SXC	150	0	500	30	0
SZ1615FAL	T	MR112065	R1	CY7C63803-SXC	150	0	1000	30	0
SZ28327BGL	R	MR112066	R1	CY8C27443-24SXI	150	0	500	30	0
SZ28327BGL	R	MR112066	R1	CY8C27443-24SXI	150	0	1000	30	0
SZ1615KDGN	RA	MR113009	R1	CY2292FXC	150	0	500	30	0



SZ1615KDGN	RA	MR113009	R1	CY2292FXC	150	0	1000	30	0
SZ28327BGL	R	MR113017	R1	CY8C21345-24SXI	150	0	500	30	0
SZ323AEGAS	M	MR113035	R1	CY14B101LA-SZ25XIT	150	0	500	30	0
SZ1615FAL	T	MR113045	R1	CY23EP09SXC-1HT	150	0	1000	28	0
SZ1615EGN	M	MR113071	R1	CY2309SXI-1H	150	0	500	30	0
SZ1615EGN	M	MR113071	R1	CY2309SXI-1H	150	0	1000	30	0
SZ24315EGN	RA	MR114020	R1	CY7C63743C-SXCT	150	0	500	28	0
SZ0815TAGN	T	MR121045	R1	CY25422FSXI	150	0	500	30	0
SZ1615FAL	T	121409	R1	CY8C20237-24SXI	150	0	500	77	0
SZ1615FAL	T	121409	R1	CY8C20237-24SXI	150	0	1000	77	0
SZ1615FAL	T	122206	R1	CY8C20237-24SXI	150	0	500	96	0
SZ1615FAL	T	122206	R1	CY8C20237-24SXI	150	0	1000	86	0
SZ1615FAL	T	122206	R2	CY8C20237-24SXI	150	0	500	96	0
SZ1615FAL	T	122206	R2	CY8C20237-24SXI	150	0	1000	86	0
SZ1615FAL	T	122206	R3	CY8C20237-24SXI	150	0	500	95	0
SZ1615FAL	T	122206	R3	CY8C20237-24SXI	150	0	1000	85	0
SZ32458CLN	JT	MR114002	R1	CY62128ELL-45SXIT	150	0	1000	30	0
SZ815PAEGN	RA	MR122018	R1	CY2305SXI-1HT	150	0	500	30	0
SZ815PAEGN	RA	MR122018	R1	CY2305SXI-1HT	150	0	1000	30	0
SZ815CGAAS	M	MR121028	R1	CY2305CSXA-1HT	150	0	1000	30	0
SZ0815TAGN	T	MR121045	R1	CY25422FSXI	150	0	1000	30	0
SZ0815TAGN	T	MR121045	R1	CY25422FSXI	150	0	1500	30	0
SZ1615DGN	M	MR121048	R2	CY8C21234-24SXI	150	0	500	30	0
SZ1615BKGN	RA	MR122001	R1	CY8C21234-24SXI	150	0	500	30	0
SZ815CGAAS	M	MR122005	R1	CY2305CSXA-1HT	150	0	1000	30	0
SZ32451DLL	JT	MR122039	R1	CY62138FV30LL-45SXI	150	0	500	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

Summary for Package Family: SOIC (Pb Free) 60 records

Sum 2248 0

SOJ

V243GAAAGN	X	MR113065	R1	CY7C197BN-15VC	150	0	500	30	0
V243GAAAGN	X	MR113065	R1	CY7C197BN-15VC	150	0	1000	30	0



Summary for Package Family: SOJ

2 records

Sum				60	0
SOJ (Pb-Free)					
VZ32314BLL	R	MR112033	R1	CY7C1009D-10VXIT	150 0 1000 29 0
VZ2847AAAR	OP	MR112051	R1	CY7C107D-10VXI	150 0 1000 30 0
VZ444ACBLN	R	MR113049	R1	CG7109AM	150 0 500 30 0
VZ444ACBLN	R	MR113049	R1	CG7109AM	150 0 1000 30 0
VZ28311KLL	R	MR113064	R1	CY7C1399BN-15VXAT	150 0 1000 30 0
VZ32420DLL	JT	MR121023	R1	CY7C1019D-10VXI	150 0 500 30 0
VZ32420DLL	JT	NR113003	R1	CY7C109D-10VXI	150 0 500 25 0
VZ32420DLL	JT	NR113003	R1	CY7C109D-10VXI	150 0 1000 25 0
VZ32421CLL	JT	NR113003	R2	CY7C1046DV33-10VXI	150 0 500 25 0
VZ32421CLL	JT	NR113003	R2	CY7C1046DV33-10VXI	150 0 1000 25 0
VZ3649BBLN	JT	NR114001	R1	CY7C1049D-10VXIKJ	150 0 500 25 0
VZ3649BBLN	JT	NR114001	R1	CY7C1049D-10VXIKJ	150 0 1000 25 0
VZ444ADDLN	JT	NR114001	R2	CY7C1041DV33-10VXIKJ	150 0 500 25 0
VZ444ADDLN	JT	NR114001	R2	CY7C1041DV33-10VXIKJ	150 0 1000 25 0
VZ32314CLL	JT	MR114044	R1	CY7C1018DV33-10VXIT	150 0 500 30 0
VZ32314CLL	JT	MR114044	R1	CY7C1018DV33-10VXIT	150 0 1000 30 0
VZ32420DLL	JT	MR121023	R1	CY7C1019D-10VXI	150 0 1000 30 0
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
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Summary for Package Family: SOJ (Pb-Free)

24 records

Sum

679 0

SSOP (Pb-Free)

SP483FBKGN	RA	MR112011	R1	CY8C20536A-24PVXIT	150	0	1000	30	0
SP28214GL	T	MR113052	R1	CY8C21534-24PVXI	150	0	500	30	0
SP28214GL	T	MR113052	R1	CY8C21534-24PVXI	150	0	1000	30	0
SP282ABBGN	RA	MR112024	R1	CY8C24533-24PVXI	150	0	500	30	0
SP282ABBGN	RA	MR112024	R1	CY8C24533-24PVXI	150	0	1000	30	0
SP483JBALL	R	MR112029	R1	CY14B101LA-SP25XI	150	0	1000	28	0
SP483ACGAN	R	MR113013	R1	CY8C20536A-24PVXIT	150	0	500	30	0
SP483ACGAN	R	MR113013	R1	CY8C20536A-24PVXIT	150	0	1000	30	0
SP282ABBGN	RA	MR113014	R1	CY8C21534-24PVXI	150	0	500	29	0
SP282ABBGN	RA	MR113014	R1	CY8C21534-24PVXI	150	0	1000	21	0
SP2822BGL	M	MR114003	R1	CP7407ATT	150	0	1000	30	0
SP282ABBGN	RA	MR114023	R1	CY8C24533-24PVXI	150	0	500	30	0
SP282ABBGN	RA	MR114023	R1	CY8C24533-24PVXI	150	0	1000	30	0
SP483EBCAL	JT	NR113007	R1	CY8C27643-24PVXI	150	0	500	25	0
SP563DBCNG	JT	NR113007	R2	CY7C68013A-56PVXC	150	0	500	25	0
SP563DBCNG	JT	NR113007	R3	CY7C68013A-56PVXC	150	0	500	25	0
SP563DBCNG	JT	NR113007	R2	CY7C68013A-56PVXC	150	0	1000	25	0
SP563DBCNG	JT	NR113007	R3	CY7C68013A-56PVXC	150	0	1000	24	0
SP483EBCAL	JT	NR113007	R1	CY8C27643-24PVXI	150	0	1000	25	0
SP483MBBGN	RA	MR114067	R1	CY8C3246PVI-147	150	0	500	30	0
SP483EBCAL	JT	MR114073	R1	CY8C29666-24PVXIT	150	0	500	30	0
SP28213GL	T	MR114080	R1	CY8C29466-24PVXI	150	0	500	30	0



SP28213GL	T	MR114080	R1	CY8C29466-24PVXI	150	0	1000	30	0
SP563DBCGN	JT	MR121016	R1	CY7C68013A-56PVXC	150	0	500	30	0
SP282ABBGN	RA	MR121043	R1	CY8C27443-24PVXIT	150	0	500	30	0
SP282ABBGN	RA	MR121043	R1	CY8C27443-24PVXIT	150	0	1000	30	0
SP2824HAN	T	MR121052	R1	CY8C24533-24PVXI	150	0	500	28	0
SP2824HAN	T	MR121052	R1	CY8C24533-24PVXI	150	0	1000	22	0
SP2824HAN	T	MR121052	R1	CY8C24533-24PVXI	150	0	1000	6	0
SP282ABBGN	RA	MR122004	R1	CY8C27443-24PVXIT	150	0	500	30	0
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
SP563DBCGN	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
SP563DBCGN	JT	MR122025	R1	CY7C68013A-56PVXC	150	0	500	30	0
SP483FBKGN	RA	MR123016	R1	CY8C20546A-24PVXIT	150	0	500	30	0

Summary for Package Family: SSOP (Pb-Free)

44

records

Sum

1242

0

TQFP



A64IBAABL	JT	NR113005	R3	CY7C144AV-25ACKJ	150	0	500	25	0
A64IBAABL	JT	NR113005	R3	CY7C144AV-25ACKJ	150	0	1000	25	0

Summary for Package Family: TQFP

2 records

Sum 50 0

TQFP (Pb-Free)

AZ32BXGAN	Q	MR112077	R1	CY7C4201V-15AXC	150	0	1000	30	0
AZ44DGAGL	Q	MR112058	R1	CY7B995AXIT	150	0	500	30	0
AZ44DGAGL	Q	MR112058	R1	CY7B995AXIT	150	0	1000	30	0
AZ32GXGAN	G	MR113046	R1	CY29940AXIT	150	0	500	30	0
AZ100SFKAL	RA	112302	R1	CY8C5568AXI-060	150	0	1000	77	0
AZ100RUBLN	R	MR112043	R1	CY7C1350G-200AXC	150	0	1000	30	0
AZ32GXGAN	G	MR112054	R1	CY29940AXCT	150	0	500	30	0
AZ32GXGAN	G	MR112054	R1	CY29940AXCT	150	0	1000	30	0
AZ100RUBLN	R	MR113022	R1	CY7C1350G-200AXC	150	0	500	30	0
AZ100RUBLN	R	MR113022	R1	CY7C1350G-200AXC	150	0	1000	30	0
AZ32GXGAN	G	MR113046	R1	CY29940AXIT	150	0	1000	30	0
AZ52AAGAL	Q	MR113051	R1	CY29972AXI	150	0	500	30	0
AZ32GXGAN	G	MR114034	R1	CY29942AXCT	150	0	500	30	0
AZ100RBCLN	JT	MR114041	R1	CY7C1370D-167AXI	150	0	500	30	0
AZ100RBCLN	JT	MR114041	R1	CY7C1370D-167AXI	150	0	1000	30	0
AZ100RJBLN	RA	MR114059	R1	CY7C68014A-100AXC	150	0	500	30	0
AZ100RJBLN	RA	MR114059	R1	CY7C68014A-100AXC	150	0	1000	30	0
AZ144AAAGR	Q	MR114081	R1	CY7C057V-15AXI	150	0	500	30	0
AZ100RYCLN	JT	MR121021	R1	CY7C1360C-166AXI	150	0	500	30	0
AZ100KGAN	G	MR121040	R1	CY7C024AV-25AXCT	150	0	500	30	0
AZ100RJBLN	R	MR121042	R1	CY7C1350G-200AXCT	150	0	500	30	0



AZ44SFHAN	JT	NR113005	R1	CY37032VP44-100AXCKJ	150	0	500	25	0
AZ44SFHAN	JT	NR113005	R1	CY37032VP44-100AXCKJ	150	0	1000	25	0
AZ64IBABLN	JT	NR113005	R2	CY7C4265-10AXIKJ	150	0	500	25	0
AZ64IBABLN	JT	NR113005	R2	CY7C4265-10AXIKJ	150	0	1000	25	0
AZ100RUCLN	JT	NR113006	R1	CY7C68013A-100AXCKJ	150	0	500	25	0
AZ100RUCLN	JT	NR113006	R1	CY7C68013A-100AXCKJ	150	0	1000	25	0
AZ100RUCLN	JT	NR113006	R2	CY7C68013A-100AXIKJ	150	0	500	25	0
AZ100RUCLN	JT	NR113006	R2	CY7C68013A-100AXIKJ	150	0	1000	25	0
AZ100SFEAL	JT	NR113006	R3	CY7C026AV-25AXIKJ	150	0	500	25	0
AZ100SFEAL	JT	NR113006	R3	CY7C026AV-25AXIKJ	150	0	1000	25	0
AZ144AAAGR	Q	MR114081	R1	CY7C057V-15AXI	150	0	1000	30	0
AZ100RYCLN	JT	MR121021	R1	CY7C1360C-166AXI	150	0	1000	30	0
AZ100RVLN	JT	MR121033	R1	CY7C68320C-100AXA	150	0	1000	30	0
AZ100KGAN	G	MR121040	R1	CY7C024AV-25AXCT	150	0	1000	30	0
AZ100RJBLN	R	MR121042	R1	CY7C1350G-200AXCT	150	0	1000	30	0
AZ44SFBHLN	JT	MR122008	R1	CY7C53120E4-40AXI	150	0	500	30	0
AZ32BXGAN	Q	MR122024	R1	CY7C4201V-15AXC	150	0	500	30	0
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
Summary for Package Family: TQFP (Pb-Free)			48	records					
Sum								1436	0
TSOP (Pb-free)									
ZT28R2BCLN	JT	MR114004	R1	CY62256VNLL-70ZXI	150	0	500	30	0
ZT28R2BCLN	JT	NR113004	R3	CY62256VNLL-70ZXC	150	0	500	25	0
ZT28R2BCLN	JT	NR113004	R3	CY62256VNLL-70ZXC	150	0	1000	25	0
ZT28R4BAGL	JT	NR113004	R2	CY7C1399BN-12ZXC	150	0	500	25	0
ZT28R4BAGL	JT	NR113004	R2	CY7C1399BN-12ZXC	150	0	1000	25	0
ZT32RABALL	T	MR113036	R1	CY62128EV30LL-45ZXI	150	0	500	30	0
ZT32RABALL	T	MR113036	R1	CY62128EV30LL-45ZXI	150	0	1000	30	0
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
Summary for Package Family: TSOP (Pb-free)			12	records					
Sum								337	0
TSOP I (Pb-Free)									
ZB32RHCALN	JT	MR114008	R1	CY62138FV30LL-45ZAXI	150	0	500	30	0
ZB32RHCALN	JT	MR114008	R1	CY62138FV30LL-45ZAXI	150	0	1000	30	0
ZB32RKALL	T	MR114011	R1	CY62128EV30LL-45ZAXI	150	0	500	30	0
ZB32RKALL	T	MR114011	R1	CY62128EV30LL-45ZAXI	150	0	1000	30	0
ZB32RKALL	T	MR113003	R1	CY62128EV30LL-45ZAXI	150	0	500	30	0
ZB32RKALL	T	MR113003	R1	CY62128EV30LL-45ZAXI	150	0	1000	30	0



ZB32RHCALN	JT	NR113004	R1	CY62138FV30LL-45ZAXI	150	0	500	25	0
ZB32RHCALN	JT	NR113004	R1	CY62138FV30LL-45ZAXI	150	0	1000	25	0
ZB32RHABL N	JT	MR122021	R1	CY62138FV30LL-45ZAXA	150	0	1000	30	0

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

9 records

Sum

260 0

TSOP II (Pb-Free)

ZW54BGALL	G	MR113032	R1	CY7C1061DV33-10ZSXIT	150	0	1000	30	0
ZW444ALLR	G	MR113047	R1	CY7C1051DV33-10ZSXI	150	0	500	30	0
ZW444ALLR	G	MR113047	R1	CY7C1051DV33-10ZSXI	150	0	1000	30	0
ZW444YBLL	R	MR113006	R1	CY7C1041BN-15ZXIT	150	0	500	30	0
ZW444YBLL	R	MR113006	R1	CY7C1041BN-15ZXIT	150	0	1000	30	0
ZW324GALL	T	MR112015	R1	CY7C1019DV33-10ZSXIT	150	0	1000	30	0
ZW324CBLL	T	MR113004	R1	CY62148ELL-45ZSXIT	150	0	500	30	0
ZW44AAXAGL	RA	MR113031	R1	CY7C1020DV33-10ZSXI	150	0	500	29	0
ZW44AAXAGL	RA	MR113031	R1	CY7C1020DV33-10ZSXI	150	0	1000	29	0
ZW444AAGLL	T	MR113043	R1	CY71041DV33-10ZSXI	150	0	500	30	0
ZW444AAGLL	T	MR113043	R1	CY71041DV33-10ZSXI	150	0	1000	30	0
ZW44ABXAGL	RA	MR114027	R1	CY62137EV30LL-45ZSXI	150	0	500	30	0
ZW444ALLR	G	MR114043	R1	CY7C1051DV33-10ZSXI	150	0	500	30	0
ZW444AKCLN	R	MR114064	R1	CY7C1011CV33-12ZSXE	150	0	1000	30	0
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
ZW44ABXAGL	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
Summary for Package Family: TSOP II (Pb-Free)			38	records					
Sum							1138	0	
RTSOP (Pb-free)									
ZY28R2CLN	JT	MR114009	R1	CY62256VNLL-70ZRXIT	150	0	500	30	0
ZY28R2CLN	JT	MR114009	R1	CY62256VNLL-70ZRXIT	150	0	1000	30	0
Summary for Package Family: RTSOP (Pb-free)			2	records					



								60	0	
Sum										
TSSOP (Pb-Free)										
ZZ1620GDAN	RA	MR113010	R1	CY24293ZXI	150	0	500	30	0	
ZZ1620GDAN	RA	MR113010	R1	CY24293ZXI	150	0	1000	30	0	
ZZ2014BGN	T	MR113053	R1	CY25404ZXI-003T	150	0	500	30	0	
ZZ2014BGN	T	MR113053	R1	CY25404ZXI-003T	150	0	1000	30	0	
ZZ1613HAN	T	MR113015	R1	CY2308ZXC-1H	150	0	1000	30	0	
ZZ1614HAN	T	MR114022	R1	CY22388ZXC-25T	150	0	500	30	0	
ZZ1614HAN	T	MR114022	R1	CY22388ZXC-25T	150	0	1000	30	0	
ZZ1620GBAN	RA	MR114026	R1	CY22388ZXC-26T	150	0	500	30	0	
ZZ1620GBAN	RA	MR114026	R1	CY22388ZXC-26T	150	0	1000	30	0	
ZZ1614HAN	T	MR121001	R1	CY25823ZXC	150	0	500	30	0	
ZZ1614HAN	T	MR121001	R1	CY25823ZXC	150	0	1000	30	0	
ZZ1620GBAN	RA	MR121002	R1	CY22388ZXC-27T	150	0	500	30	0	
ZZ1620GBAN	RA	MR121002	R1	CY22388ZXC-27T	150	0	1000	30	0	
ZZ2014BGN	T	MR122014	R1	CY25404ZXI013T	150	0	500	30	0	
ZZ1620GBAGN	RA	MR122015	R1	CY2309ZC-1HT	150	0	500	30	0	
ZZ1620GCAN	RA	MR122019	R1	CY2309ZXC-1HT	150	0	500	30	0	
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	
Summary for Package Family: TSSOP (Pb-Free)			21	records						
Sum								629	0	



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

BV48ATALE	RA	MR113030	R1	CY62157DV30LL-55BVIT	150	0	1000	30	0
BV48BNALE	G	MR113066	R1	CY62167DV30LL-70BVI	150	0	500	30	0
BV48ATALE	RA	MR114066	R1	CY62157DV30LL-55BVIT	150	0	500	30	0
BV48BNALE	G	MR113066	R1	CY62167DV30LL-70BVI	150	0	1000	30	0
BV48CFAALE	G	MR114078	R1	CY62157EV30LL-45BVIT	150	0	500	30	0
BV48DAAALE	RA	MR114010	R1	CY62137FV30LL-45BVIT	150	0	500	30	0
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

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

10

records

Sum

298

0

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

BZ100HAALL	RA	MR113008	R1	CYWB0226ABS-BVXI	150	0	1000	30	0
BZ48DAGLL	RA	MR113028	R1	CY62137FV30LL-45BVXIT	150	0	1000	30	0
BZ48CNAALL	G	MR114075	R2	CY62167DV30LL-55BVXI	150	0	500	30	0
BZ100BABLL	RA	MR121008	R1	CYDMX128A16-65BVXIT	150	0	500	30	0
BZ100HAALL	RA	120609	R3	CYWB0226ABM-BVXI	150	0	1000	104	0
BZ100HAALL	RA	120609	R3	CYWB0226ABM-BVXI	150	0	1500	94	0
BZ48CJALL	RA	120610	R3	CY62167DV30LL-55BVXI	150	0	1000	99	0
BZ48CJALL	RA	120610	R3	CY62167DV30LL-55BVXI	150	0	1500	89	0
BZ48CEAALL	G	MR113057	R1	CY62147EV30LL-45BVXA	150	0	1000	30	0
BZ48CNAALL	G	MR114018	R1	CY62167DV30LL-55BVXI	150	0	500	30	0
BZ48CNAALL	G	MR114075	R2	CY62167DV30LL-55BVXI	150	0	1000	30	0



BZ48DAGLL	RA	MR121004	R1	CY62137FV30LL-45BVXIT	150	0	500	30	0
BZ100BABLL	RA	MR121008	R1	CYDMX128A16-65BVXIT	150	0	1000	30	0
BZ48CEAALL	G	MR121050	R1	CY62136EV30LL-45BVXI	150	0	500	30	0
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

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

36 records



Sum

1337

0



Summary Detail -- PCT Performance Over Time

BUILDKIT	ASSY SITE	EVALNUM	TV	DEVICE	TEMP	VOLT	READOUT	SS	REJECT	FA	COMMENTS	
UFBGA (Pb-free)												
BU84AAAAAL	G	121302	R1	CY8CTMA1036BUI-33ES2	121	0	168	77	0			
BU84AAAAAL	G	121302	R1	CY8CTMA1036BUI-33ES2	121	0	288	77	0			
BU60AAAAAL	G	MR123040	R1	CY8CTMA463-60BUI	121	0	168	25	0			
BU60AAAAAL	G	NR122006	R1	CY8CTMA463-60BUI	121	0	288	25	0			
BU60AAAAAL	G	NR122006	R1	CY8CTMA463-60BUI	121	0	168	25	0			
BU60AAAAAL	G	NR122006	R2	CY8CTMA463-60BUI	121	0	168	22	0			
BU60AAAAAL	G	NR122006	R2	CY8CTMA463-60BUI	121	0	288	22	0			
BU60AAAAAL	G	NR122006	R3	CY8CTMA400-60BUI	121	0	168	25	0			
Summary for Package Family: UFBGA (Pb-free)			8	records								
Sum								298	0			
FBGA (0.75-0.8, 0.3mm)												
BA48ZGALE	G	MR113048	R1	CY7C1021BNV33L-15BAI	121	0	288	30	0			
BA48ZGALE	G	MR121027	R1	CY7C1021BNV33L-15BAI	121	0	168	30	0			
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			
Summary for Package Family: FBGA (0.75-0.8, 0.3mm)			6	records								
Sum								176	0			
FBGA (0.75-0.8, 0.3mm, Pb-free)												
BK48DZAAAL	G	113205	R1	CY7C1081DV33-12BAXI	121	0	168	80	0			



BK48DZAAAL	G	113303	R1	CY7C1081DV33-12BAXI	121	0	168	80	0
BK48DZAAAL	G	113303	R1	CY7C1081DV33-12BAXI	121	0	288	80	0
BK48DZAAAL	G	113303	R2	CY7C1081DV33-12BAXI	121	0	168	77	0
BK48DZAAAL	G	113303	R2	CY7C1081DV33-12BAXI	121	0	288	76	0
BK48DLBLL	G	MR113033	R1	CY62187EV30LL-55BAXI	121	0	288	29	0
BK48DJALL	G	MR114042	R1	CY62177DV30LL-55BAXI	121	0	168	30	0
BK121BGAGL	RA	114603	R3	CYUSB3014-BZXIES	121	0	288	82	0
BK121BGAGL	RA	114603	R3	CYUSB3014-BZXIES	121	0	168	82	0
BK121BGAGL	RA	121106	R2	CYUSB3014-BZXIES	121	0	288	82	0
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

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

18 records

Sum 916 0

FBGA (1.0-1.27)

BB165BILE	RA	AR1131021	R1	CY7C1412BV18-200BZI	121	0	288	6	0
BB165AVLE	RA	MR114038	R1	CY7C1305TV25-167BZC	121	0	168	30	0
BB165AVLE	RA	MR114038	R1	CY7C1305TV25-167BZC	121	0	288	24	0
BB165RNALE	RA	MR114058	R1	CY7C1312KV18-250BZC	121	0	168	29	0
BB165RNALE	RA	MR114058	R1	CY7C1312KV18-250BZC	121	0	288	28	0



BB165RNALE	RA	MR121017	R1	CY7C1313KV18-250BZC	121	0	168	30	0
BB165RNALE	RA	MR121017	R1	CY7C1313KV18-250BZC	121	0	288	21	0
BB165RNALE	RA	MR121017	R1	CY7C1313KV18-250BZC	121	0	288	9	0
BB165AHLE	G	MR121020	R1	CY7C1420BV18-200BZC	121	0	168	27	0
BB165AHLE	G	MR121020	R1	CY7C1420BV18-200BZC	121	0	288	26	0
BB165GABLE	RA	NR112001	R5	CY7C1512KV18-250BZC	121	0	168	77	0
BB165GABLE	RA	NR112001	R5	CY7C1512KV18-250BZC	121	0	288	77	0
BB165RNALE	RA	MR122017	R1	CY7C1312KV18-250BZC	121	0	168	30	0
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

Summary for Package Family: FBGA (1.0-1.27)

17 records

Sum

532 0

FBGA (1.0-1.27, Pb-free)

BW165GAALL	RA	MR113018	R1	CY7C1512KV18-250BZXI	121	0	288	14	0
BW165RJALL	RA	MR113074	R1	CY7C1412KV18-250BZXI	121	0	168	30	0
BW165RJALL	RA	MR113074	R1	CY7C1412KV18-250BZXI	121	0	288	30	0
BW165RJALL	RA	MR114039	R1	CY7C1414KV18-250BZXI	121	0	168	30	0
BW165RJALL	RA	MR121035	R1	CY7C1414KV18-250BZXC	121	0	168	30	0
BW165GAALL	RA	NR112001	R4	CY7C1565KV18-500BZXI	121	0	168	76	0
BW165GAALL	RA	NR112001	R4	CY7C1565KV18-500BZXI	121	0	288	76	0
BW165RBALL	RA	NR112001	R6	CY7C1570KV18-450BZXC	121	0	168	75	0
BW165RBALL	RA	NR112001	R6	CY7C1570KV18-450BZXC	121	0	288	75	0
BW165RTALL	RA	120609	R1	CY7C16131KV18-300BZXC	121	0	288	104	0
BW165RTALL	RA	120609	R2	CY7C16131KV18-300BZXC	121	0	288	120	0



BW165GAALL	RA	120610	R1	CY7C1512KV18-250BZXC	121	0	288	99	0
BW165GAALL	RA	120610	R2	CY7C1512KV18-250BZXC	121	0	288	120	0
BW165BUALL	G	120612	R1	CY7C1512KV18-250BZXC	121	0	288	90	0
BW165BUALL	G	120612	R2	CY7C1512KV18-250BZXC	121	0	288	95	0
BW165BUALL	G	120612	R3	CY7C1512KV18-250BZXC	121	0	288	95	0
BW165RJALL	RA	MR121035	R1	CY7C1414KV18-250BZXC	121	0	288	30	0
BW100EAGL	G	MR121055	R1	CYP15G0101DXB-BBXC	121	0	288	30	0
BW100EAGL	G	MR121055	R1	CYP15G0101DXB-BBXC	121	0	168	30	0
BW165BUALL	G	MR121059	R1	CY7C1512KV18-250BZXC	121	0	168	30	0
BW165BUALL	G	MR121059	R1	CY7C1512KV18-250BZXC	121	0	288	30	0
BW165RJALL	RA	MR122009	R1	CY7C1412KV18-250BZXI	121	0	168	30	0
BW100EAGL	G	MR122020	R1	CYP15G0101DXB-BBXC	121	0	168	30	0
BW100EAGL	G	MR122020	R1	CYP15G0101DXB-BBXC	121	0	288	30	0
BW100EAGL	G	MR123012	R1	CYP15G0101DXB-BBXC	121	0	168	30	0
BW165RNALL	RA	MR123039	R1	CY7C1312KV18-250BZXC	121	0	168	30	0

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

26 records

Sum

1459 0

PBGA (1.27)

BG119SALE	G	MR114040	R1	CY7C1366C-166BGC	121	0	168	29	
BG119SALE	G	MR114040	R1	CY7C1366C-166BGC	121	0	288	29	

Summary for Package Family: PBGA (1.27)

2 records

Sum

58 0

FLIPCHIP CSP (Pb-Free)

FN49ABAAAL	AU	113211	R4	CP7457KTF	121	0	168	76	0
FN49ABDRCD	DT	114105	R1	CY8CTMA3405-FNI-09KD	121	0	96	87	0



FB131ATBCD	AU	103501	R2B	CYWB0263BB-FBXIES	121	0	96	82	0
FB131ATBCD	AU	103501	R2B	CYWB0263BB-FBXIES	121	0	168	82	0
FN30BBTRFP	AU	114003	R1	CY8C20767-24FDXCES	121	0	96	71	0
FN49ABAAAL	AU	114103	R2A	CP7457KTF	121	0	168	76	0
FN49ABAAAL	AU	MR112078	R1	CG7411AMT	121	0	288	26	0
FN49ACAAAL	GQ	MR113072	R1	CY8CTMA340-FNI-09T	121	0	168	30	0
FN81AGAN	AU	MR114061	R1	CYWB0124ABX-FDXI	121	0	168	30	0
FN81AGAN	AU	MR114061	R1	CYWB0124ABX-FDXI	121	0	288	30	0
FN49ABDRCD	DT	MR122049	R1	CG7524AMT	121	0	168	30	0
Summary for Package Family: FLIPCHIP CSP (Pb-Free)			11	records					
Sum							620	0	
PBGA (Cavity/Heat Sink, Pb-free)									
BJ256L2GL	G	MR121007	R1	CYP15G0401DXB-BGXI	121	0	168	30	0
BJ256L2GL	G	MR121007	R1	CYP15G0401DXB-BGXI	121	0	288	30	0
Summary for Package Family: PBGA (Cavity/Heat Sink, Pb-free)			2	records					
Sum							60	0	
PDIP (Pb-Free)									
PZ183EAAGN	X	MR114021	R1	CY7C63723C-PXC	121	0	168	30	0
PZ183EAAGN	X	MR114021	R1	CY7C63723C-PXC	121	0	288	30	0
PZ183DPDGN	RA	MR121012	R1	CP6238BM	121	0	168	30	0
PZ183DPDGN	RA	MR121012	R1	CP6238BM	121	0	288	30	0
PZ286EAAGN	X	MR121053	R1	CY62256NLL-70PXC	121	0	168	30	0
PZ283ACAGL	X	MR121051	R1	CY7C199CN-15PXC	121	0	288	28	0
PZ286EAAGN	X	MR121053	R1	CY62256NLL-70PXC	121	0	288	30	0



PZ183DPDGN	RA	MR122016	R1	CY7C63723C-PXC	121	0	168	30	0
PZ183DPDGN	RA	MR122016	R1	CY7C63723C-PXC	121	0	288	30	0
PZ283AAAGN	X	MR122047	R1	CY8C27443-24PXI	121	0	168	30	0
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
Sum			15					448	0

PLCC (Pb-Free)

JZ52SGGAAN	M	113405	R1	CY7C136E-55JXC	121	0	288	78	0
JZ52SFGAN	M	MR114045	R1	CY7C136-25JXC	121	0	168	30	0
JZ52SFGAN	M	MR114045	R1	CY7C136-25JXC	121	0	288	30	0
JZ52SFGAN	M	MR121054	R1	CY7C131-55JXC	121	0	168	30	0
JZ52SFGAN	M	MR121054	R1	CY7C131-55JXC	121	0	288	30	0

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

Sum 198 0

PQFP (Pb-free)

NZ52EAALL	M	113405	R3	CY7C136E-55JXC	121	0	288	76	0
NZ52DXGAN	G	MR113056	R1	CY7C136A-55NXI	121	0	288	30	0
NZ52DXGAN	G	MR114028	R1	CY7C136A-55NXI	121	0	168	30	0
NZ52DXGAN	G	MR114028	R1	CY7C136A-55NXI	121	0	288	30	0
NZ52DXGAN	G	MR121041	R1	CY7C131-55NXC	121	0	168	30	0
NZ52DXGAN	G	MR121041	R1	CY7C131-55NXC	121	0	288	30	0
NZ52DXGAN	G	MR122023	R1	CY7C131-55NXC	121	0	168	30	0
NZ52DXGAN	G	MR123027	R1	CY7C131-55NXC	121	0	168	30	0



Summary for Package Family: PQFP (Pb-free)

8

records

Sum

286

0

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

LG16ADAAAL	CA	114801	R1	CY8C20236A-24LKXIKC	121	0	168	77	0
LG16AQAAAL	G	114903	R1	CY8C20236A-24LKXI	121	0	168	120	0
LG16AQAAAL	G	114903	R2	CY8C20236A-24LKXI	121	0	168	120	0
LG16AQAAAL	G	114903	R3	CY8C20236A-24LKXI	121	0	168	120	0
LG16AQAAAL	G	114903	R4	CY8C20224-12LKXI	121	0	168	113	0
LG16AQAAAL	G	114903	R5	CY8C20110-LDX2I	121	0	168	120	0
LG16ABAALL	L	MR112052	R1	CP7194FT	121	0	288	30	0
LG16AEAAAL	MB	MR113019	R1	CY8C20236A-24LKXIT	121	0	288	30	0
LG16ABAALL	L	MR113029	R1	CS7412AT	121	0	288	30	0
LG16ABAALL	L	MR114030	R2	CY8C20236A-24LKXIT	121	0	168	30	0
LG16ABAALL	L	MR114032	R2	CY8C20236A-24LKXIT	121	0	168	30	0
LG16ABAALL	L	MR114030	R2	CY8C20236A-24LKXIT	121	0	288	30	0
LG16ABAALL	L	MR114032	R2	CY8C20236A-24LKXIT	121	0	288	30	0
LG16AEAAAL	MB	MR121047	R1	CY8C20236A-24LKXIT	121	0	168	30	0
LG16AEAAAL	MB	MR121047	R1	CY8C20236A-24LKXIT	121	0	288	29	0
LG16AQAAAL	G	MR122031	R1	CY7C64315-16LXCT	121	0	168	30	0
LG16AQAAAL	G	NR121001	R1	CY8C20236A-24LKXI	121	0	96	90	0
LG16AQAAAL	G	NR121001	R1	CY8C20236A-24LKXI	121	0	168	90	0
LG16AQAAAL	G	NR121001	R2	CY8C20236A-24LKXI	121	0	96	90	0
LG16AQAAAL	G	NR121001	R2	CY8C20236A-24LKXI	121	0	168	90	0
LG16AQAAAL	G	NR121001	R3	CY8C20236A-24LKXI	121	0	96	90	0
LG16AQAAAL	G	NR121001	R3	CY8C20236A-24LKXI	121	0	168	89	0
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
Summary for Package Family: QFN (COL, 0.6mm, Saw Type, Pb-free)			25	records					
Sum							1598	0	

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

LK32AABAGL	L	MR114033	R2	CG7361AMT	121	0	168	30	0
LK32AABAGL	L	MR114033	R2	CG7361AMT	121	0	288	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	121	0	288	30	0
LY56DGAGL	L	MR114035	R1	CY8CTMG120-56LFXA	121	0	96	30	0
LY56DGAGL	L	MR114035	R1	CY8CTMG120-56LFXA	121	0	168	30	0
LY56AGAGL	L	MR114036	R1	CY7C65630-56LFXA	121	0	96	30	0
LY56AGAGL	L	MR114036	R1	CY7C65630-56LFXA	121	0	168	30	0
LY56AGAGL	L	MR121030	R1	CY7C65630-56LFXA	121	0	96	30	0
LY56AGAGL	L	MR121030	R1	CY7C65630-56LFXA	121	0	168	30	0
LY56DGAGL	L	MR121031	R1	CY8CTMG120-56LFXA	121	0	96	30	0
LY56DGAGL	L	MR121031	R1	CY8CTMG120-56LFXA	121	0	168	30	0
LY56AGAGL	L	MR122010	R1	CY7C65620-56LFXA	121	0	96	30	0
LY56AGAGL	L	MR122010	R1	CY7C65620-56LFXA	121	0	168	30	0
LY56AGAGL	L	MR123008	R1	CY7C65630-56LFXAT	121	0	96	30	0
LY56AGAGL	L	MR123008	R1	CY7C65630-56LFXAT	121	0	168	30	0
Summary for Package Family: QFN (Punch Type, Pb-Free)			13	records					



Sum

390 0

QFN (Saw Type, Pb-Free)

LQ48AAAAAL	RA	AR1131017	R1	CY8CTMA340-48LQI-09	121	0	168	21	0
LQ48AAAAAL	RA	AR1131017	R1	CY8CTMA340-48LQI-09	121	0	288	21	0
LQ32DAGLL	CA	MR113038	R1	CY8C20446A-24LQXIT	121	0	288	30	0
LQ48AAAAGL	RA	113905	R1	CY8CTMA443-48LQIES2	121	0	168	77	0
LQ48AAAAGL	RA	113905	R1	CY8CTMA443-48LQIES2	121	0	288	77	0
LQ48AQAAAL	G	113905	R3	CY8CTMA443-48LQIES	121	0	168	80	0
LQ48AQAAAL	G	113905	R3	CY8CTMA443-48LQIES	121	0	288	80	0
LQ48AQAAAL	G	113905	R4	CY8CTMA443-48LQIES	121	0	168	80	0
LQ48AQAAAL	G	113905	R4	CY8CTMA443-48LQIES	121	0	288	80	0
LQ36ABAAAL	RA	114301	R1A	CY8CTMA300E-36LQXI	121	0	168	80	0
LQ36ABAAAL	RA	114301	R2A	CY8CTMA300E-36LQXI	121	0	168	80	0
LQ36ABAAAL	RA	114301	R3A	CY8CTMA300E-36LQXI	121	0	168	80	0
LQ48AAAAGL	RA	112207	R1	CY8CTMA443-48LQIES	121	0	168	77	0
LQ48AAAAGL	RA	112207	R1	CY8CTMA443-48LQIES	121	0	288	77	0
LT68YAAAAL	G	113603	R1	CY8C3865LTI-014	121	0	168	77	0
LT68YAAAAL	G	113603	R2	CY8C3865LTI-014	121	0	168	77	0
LT88AAAAAL	RA	113804	R1	CY8CTMA884LTI-13ES	121	0	288	78	0
LT88AAAAAL	RA	113804	R2	CY8CTMA884LTI-13ES	121	0	288	80	0
LQ48AQAAAL	G	114101	R1	CY8CTMA443-48LQIES	121	0	168	80	0
LQ48AQAAAL	G	114101	R2	CY8CTMA443-48LQIES	121	0	168	80	0
LT68ADAAGL	RA	114110	R1A	CY8C5568LTI-114	121	0	288	80	0
LT68ADAAGL	RA	114110	R2A	CY8C5568LTI-114	121	0	168	80	0
LT68ADAAGL	RA	114110	R2A	CY8C5568LTI-114	121	0	288	80	0



LQ24AQAAAL	G	114401	R1	CY7C63803-LQXC	121	0	168	220	0
LQ24AQAAAL	G	114401	R2	CY8C20324-12LQXI	121	0	168	220	0
LQ32QAAAAAL	G	114401	R3	CY8CTMG240-LQI-01	121	0	168	220	0
LQ48AQAAAL	G	114403	R1	CY8CTMA300E-48LQXI	121	0	168	100	0
LQ48AQAAAL	G	114403	R2	CY8CTMA300E-48LQXI	121	0	168	100	0
LQ48AQAAAL	G	114403	R3	CY8CTMA300E-48LQXI	121	0	168	100	0
LQ56AQAAAL	G	114404	R1	CY8C24794-24LQXI	121	0	168	100	0
LQ56AQAAAL	G	114404	R2	CY8C24794-24LQXI	121	0	168	100	0
LQ56AQAAAL	G	114404	R3	CY8C24794-24LQXI	121	0	168	100	0
LT68ADAAGL	RA	114407	R1	CY8C5568LTI-114	121	0	96	72	0
LT68ADAAGL	RA	114407	R1	CY8C5568LTI-114	121	0	168	80	0
LT68ADAAGL	RA	114407	R1	CY8C5568LTI-114	121	0	288	80	0
LT68ADAAGL	RA	114407	R2	CY8C5568LTI-114	121	0	168	68	0
LT56BDAAGL	AE	114801	R3	CP6944DA	121	0	168	79	0
LQ48AAAAAL	RA	114801	R2	CY8CTMA340-48LQI-03	121	0	168	80	0
LQ48AAAAAL	RA	114801	R2	CY8CTMA340-48LQI-03	121	0	176	80	0
LT40ABAAAL	G	114904	R1	CYRF6986-40LTXC	121	0	168	120	0
LT40ABAAAL	G	114904	R2	CYRF6986-40LTXC	121	0	168	120	0
LT40ABAAAL	G	114904	R3	CYRF6986-40LTXC	121	0	168	120	0
LT48AQAAAL	G	114905	R1	CY8C27643-24LTXI	121	0	168	120	0
LT48CQAAAL	G	114905	R2	CYWUSB6934-48LTXC	121	0	168	120	0
LT48DQAAAL	G	114905	R3	CY8C3866LTI-068	121	0	168	120	0
LT56YAAAAL	G	114906	R1	CY7C65630-56LTXC	121	0	168	120	0
LT68YAAAAL	G	114906	R2	CY8C3866LTI-030	121	0	168	120	0
LT68YAAAAL	G	114906	R3	CY8C3866LTI-030	121	0	168	120	0
LT32BBAAAL	G	114907	R1	CY8C21434-24LTXI	121	0	168	120	0



LT32BBAAAL	G	114907	R2	CY22391LTXC-06	121	0	168	126	0
LT32BBAAAL	G	114907	R3	CY7C63833-LTXC	121	0	168	120	0
LQ44AAAAALN	G	120407	R1	CY8CTMA443-44LQIES	121	0	168	80	0
LQ44AAAAALN	G	120407	R1	CY8CTMA443-44LQIES	121	0	168	80	0
LQ44AAAAALN	G	120407	R1	CY8CTMA443-44LQIES	121	0	288	79	0
LT32BAAAGL	CA	MR113021	R1	CY8C21434-24LTXIT	121	0	288	30	0
LT56BDAAGL	AE	MR113050	R1	CG7158DMT	121	0	288	30	0
LQ48AAAAAL	RA	MR113059	R1	CG7415AF	121	0	288	30	0
LT56BDAAGL	AE	MR114012	R1	CG7243AMT	121	0	168	30	0
LQ32CCAAL	CA	MR114013	R1	CP6745DMT	121	0	168	30	0
LQ32CCAAL	CA	MR114013	R1	CP6745DMT	121	0	288	30	0
LT48ABBAAL	MB	MR114014	R1	CP7408AT	121	0	168	30	0
LQ36AAAAAN	MB	MR114015	R1	CY8CTMA340-LQI-01T	121	0	168	30	0
LQ48AAAAAL	RA	MR114016	R1	CY8CTMA340-48LQI-09	121	0	168	30	0
LQ36AAAAAL	L	MR114031	R2	CP7340ATT	121	0	168	30	0
LT48AQAAAL	G	MR114071	R2	CY8C20636A-24LTXI	121	0	168	30	0
LQ48AQAAAL	G	MR121005	R1	CY8CTMA340-48LQI-01T	121	0	168	30	0
LT48CQAAAL	G	MR121009	R1	CYWUSB6935-48LTXIKG	121	0	168	30	0
LQ32EPDAGL	RA	MR121013	R1	CY8CTMG240-LQI-01	121	0	168	30	0
LT32BBAAAL	G	MR121014	R1	CY8C21434-24LTXIT	121	0	168	30	0
LT32BAABGL	RA	MR121015	R1	CY8C21434-24LTXI	121	0	168	30	0
LT56BDAAGL	AE	MR121038	R1	CG7243AMT	121	0	168	30	0
LQ56ABAAAL	MB	NR113001	R1	CY8C24794-24LQXIT	121	0	168	30	0
LQ56ABAAAL	MB	NR113001	R1	CY8C24794-24LQXIT	121	0	288	30	0
LQ56ABAAAL	MB	NR113001	R2	CY8C24794-24LQXIT	121	0	168	30	0
LQ56ABAAAL	MB	NR113001	R2	CY8C24794-24LQXIT	121	0	288	30	0



LQ56ABAAAL	MB	NR113001	R3	CY8C24794-24LQXIT	121	0	168	30	0
LQ56ABAAAL	MB	NR113001	R3	CY8C24794-24LQXIT	121	0	288	30	0
LQ56AAAAAL	RA	NR114002	R1	CY8C24794-24LQXIT	121	0	168	25	0
LQ56AAAAAL	RA	NR114002	R1	CY8C24794-24LQXIT	121	0	288	24	0
LQ56AAAAAL	RA	NR114002	R2	CY8C24794-24LQXIT	121	0	168	25	0
LQ56AAAAAL	RA	NR114002	R2	CY8C24794-24LQXIT	121	0	288	25	0
LQ56AAAAAL	RA	NR114002	R3	CY8C24794-24LQXIT	121	0	168	25	0
LQ56AAAAAL	RA	NR114002	R3	CY8C24794-24LQXIT	121	0	288	25	0
LT88AAAAAL	RA	120309	R1	CY8CTMA884LTI-13	121	0	288	78	0
LT88AAAAAL	RA	120309	R2	CY8CTMA884LTI-13	121	0	168	80	0
LT88AAAAAL	RA	120309	R2	CY8CTMA884LTI-13	121	0	288	79	0
LQ48AEAAAL	RA	121105	R1	CY8CTMA443-48LQI	121	0	168	80	0
LQ48AEAAAL	RA	121105	R1	CY8CTMA443-48LQI	121	0	288	80	0
LQ48AEAAAL	RA	121105	R2	CY8CTMA443-48LQI	121	0	168	80	0
LQ48AEAAAL	RA	121105	R2	CY8CTMA443-48LQI	121	0	288	80	0
LQ48AEAAAL	RA	121105	R3	CY8CTMA443-48LQI	121	0	168	80	0
LQ48AEAAAL	RA	121105	R3	CY8CTMA443-48LQI	121	0	288	80	0
LT56BDAAGL	AE	MR114012	R1	CG7243AMT	121	0	288	30	0
LT48ABBAAL	MB	MR114014	R1	CP7408AT	121	0	288	30	0
LT48AQAAAL	G	MR114071	R2	CY8C20636A-24LTXI	121	0	288	30	0
LT32BBAAAL	G	MR121014	R1	CY8C21434-24LTXIT	121	0	288	30	0
LT32BAABGL	RA	MR121015	R1	CY8C21434-24LTXI	121	0	288	30	0
LT56BDAAGL	AE	MR121038	R1	CG7243AMT	121	0	288	27	0
LT56BCAAGL	AE	MR122026	R1	CY7C65631-56LTXCT	121	0	168	30	0
LT56BCAAGL	AE	MR122026	R1	CY7C65631-56LTXCT	121	0	288	30	0
LT56YAAAAL	G	MR122027	R1	CY7C65640A-LTXC	121	0	168	30	0



LQ32QAAAAAL	G	MR122028	R1	CY8C20446A-24LQXI	121	0	168	30	0
LT48CQAAAAAL	G	NR122001	R1	CYWUSB6934-48LTXC	121	0	96	90	0
LT48CQAAAAAL	G	NR122001	R1	CYWUSB6934-48LTXC	121	0	168	90	0
LT48CQAAAAAL	G	NR122001	R2	CYWUSB6934-48LTXC	121	0	96	90	0
LT48CQAAAAAL	G	NR122001	R2	CYWUSB6934-48LTXC	121	0	168	90	0
LT48CQAAAAAL	G	NR122001	R3	CYWUSB6934-48LTXC	121	0	96	90	0
LT48CQAAAAAL	G	NR122001	R3	CYWUSB6934-48LTXC	121	0	168	90	0
LQ48AEAAAAAL	RA	NR122003	R1	CY8CTMA463-48LQI	121	0	168	25	0
LQ48AEAAAAAL	RA	NR122003	R2	CY8CTMA463-48LQI	121	0	168	25	0
LQ48AEAAAAAL	RA	NR122003	R3	CY8CTMA463-48LQI	121	0	168	25	0
LT48BAAAAAN	MB	RR114007	R1	CG7382AMT	121	0	168	77	0
LT40ABAAAAAL	G	111812	R1	CYRF6936B-40LTXC	121	0	400	77	0
LT32BBAAAAAL	G	111812	R2	CY7C60323-LTXC	121	0	400	80	0
LT68YAAAAAL	G	111816	R2	CY8CLED04-68LTXI	121	0	400	79	0
LQ56AQAAAAAL	G	112105	R1	CY8C24794-24LQXI	121	0	400	80	0
LT40ABAAAAAL	G	114904	R1	CYRF6986-40LTXC	121	0	288	110	0
LT40ABAAAAAL	G	114904	R2	CYRF6986-40LTXC	121	0	288	120	0
LT40ABAAAAAL	G	114904	R3	CYRF6986-40LTXC	121	0	288	120	0
LT48DQAAAAAL	G	114905	R3	CY8C3866LTI-068	121	0	288	110	0
LT68YAAAAAL	G	114906	R2	CY8C3866LTI-030	121	0	288	110	0
LT68YAAAAAL	G	114906	R3	CY8C3866LTI-030	121	0	288	110	0
LQ48AEAAAAAL	RA	121202	R5	CY8CTMA443-48LQIES3	121	0	288	80	0
LQ48AEAAAAAL	RA	121202	R5	CY8CTMA443-48LQIES3	121	0	168	80	0
LQ32QAAAAAL	G	123701	R2	CY8C20436A-24LQXI	121	0	168	97	0
LQ56BAAAAAL	RA	123801	R1	CY8CTMA463-56LQIES2	121	0	288	77	0
LQ56BAAAAAL	RA	123801	R1	CY8CTMA463-56LQIES2	121	0	168	77	0



LQ56BAAAAL	RA	123801	R2	CY8CTMA463-56LQIES2	121	0	168	76	0
LQ56BAAAAL	RA	123801	R2	CY8CTMA463-56LQIES2	121	0	288	76	0
LQ56BAAAAL	RA	123801	R3	CY8CTMA463-56LQIES2	121	0	288	75	0
LQ56BAAAAL	RA	123801	R3	CY8CTMA463-56LQIES2	121	0	168	77	0
LQ36AAAAAN	MB	MR114015	R1	CY8CTMA340-LQI-01T	121	0	288	30	0
LQ36AAAAAL	L	MR114031	R2	CP7340ATT	121	0	288	30	0
LQ48AQAAAL	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
LQ32QAAAAL	G	MR122028	R1	CY8C20446A-24LQXI	121	0	288	30	0
LT88ABAAAL	L	MR122033	R1	CY8CTMA616LTI-13T	121	0	168	30	0
LT88ABAAAL	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
LQ32QAAALC	G	MR123086	R1	CY8CTST242-LQI-01T	121	0	168	90	0
LQ32QAAALC	G	MR123086	R2	CY8CTST242-LQI-01T	121	0	168	90	0
LQ32QAAALC	G	MR123086	R3	CY8CTST242-LQI-01T	121	0	168	90	0
LQ32QAAALC	G	MR123086	R4	CY8CTST242-LQI-01T	121	0	168	90	0
LQ48AEAAAL	RA	NR122003	R1	CY8CTMA463-48LQI	121	0	288	25	0
LQ48AEAAAL	RA	NR122003	R2	CY8CTMA463-48LQI	121	0	288	25	0
LQ48AEAAAL	RA	NR122003	R3	CY8CTMA463-48LQI	121	0	288	25	0
LQ48ADAAAL	G	NR122005	R1	CY8CTMA463-48LQI	121	0	168	24	0



LQ48ADAAAL	G	NR122005	R1	CY8CTMA463-48LQI	121	0	288	24	0
LQ48ADAAAL	G	NR122005	R2	CY8CTMA463-48LQI	121	0	168	24	0
LQ48ADAAAL	G	NR122005	R2	CY8CTMA463-48LQI	121	0	288	24	0
LQ48ADAAAL	G	NR122005	R3	CY8CTMA463-48LQI	121	0	168	25	0
LQ48ADAAAL	G	NR122005	R3	CY8CTMA463-48LQI	121	0	288	25	0
Summary for Package Family: QFN			158	records					
(Saw Type, Pb-Free)									
Sum							1039	0	
							3		
QSOP (Pb-Free)									
SQ2414ACGN	JT	MR114029	R2	CY7C63823-QXC	121	0	168	30	0
SQ2414ACGN	JT	MR121036	R1	CY7C63823-QXC	121	0	168	30	0
SQ2414ACGN	JT	NR113002	R1	CY7C63823-QXC	121	0	168	25	0
SQ2414ACGN	JT	NR113002	R1	CY7C63823-QXC	121	0	288	25	0
Summary for Package Family: QSOP (Pb-Free)			4	records					
Sum							110	0	
SNC (Pb-Free)									
SY2831BCLN	JT	MR114017	R1	CY62256NLL-70SNXC	121	0	168	30	0
SY2831BCLN	JT	MR114017	R1	CY62256NLL-70SNXC	121	0	288	30	0
SY2831BHN	JT	MR123036	R1	CG7261AT	121	0	96	30	0
Summary for Package Family: SNC (Pb-Free)			3	records					
Sum							90	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)

SZ183CPEAN	RA	AR1131009	R1	CY7C63723C-SXC	121	0	168	22	0
SZ815PAEGN	RA	MR114001	R1	CY2305SXI-1H	121	0	168	30	0
SZ815PAEGN	RA	MR114001	R1	CY2305SXI-1H	121	0	288	30	0
SZ324513AN	JT	115206	R1	CY62128BNLL-70SXE	121	0	96	80	0
SZ324513AN	JT	115206	R1	CY62128BNLL-70SXE	121	0	168	80	0
SZ324513AN	JT	115206	R2	CY62128BNLL-70SXE	121	0	96	80	0
SZ324513AN	JT	115206	R2	CY62128BNLL-70SXE	121	0	168	80	0
SZ324513AN	JT	115206	R3	CY62128BNLL-70SXE	121	0	96	80	0
SZ324513AN	JT	115206	R3	CY62128BNLL-70SXE	121	0	168	80	0
SZ324513AN	JT	120110	R1	CY62128BNLL-70SXE	121	0	96	80	0
SZ324513AN	JT	120110	R1	CY62128BNLL-70SXE	121	0	168	80	0
SZ324513AN	JT	120110	R2	CY62128BNLL-70SXE	121	0	96	80	0
SZ324513AN	JT	120110	R2	CY62128BNLL-70SXE	121	0	168	80	0
SZ324513AN	JT	120110	R3	CY62128BNLL-70SXE	121	0	96	80	0
SZ324513AN	JT	120110	R3	CY62128BNLL-70SXE	121	0	168	80	0
SZ1615FAL	T	MR112065	R1	CY7C63803-SXC	121	0	288	30	0
SZ28327BGL	R	MR112066	R1	CY8C27443-24SXI	121	0	288	30	0
SZ1615KDG	RA	MR113009	R1	CY2292FXC	121	0	288	30	0
SZ28327BGL	R	MR113017	R1	CY8C21345-24SXI	121	0	288	30	0
SZ323AEGAS	M	MR113035	R1	CY14B101LA-SZ25XIT	121	0	288	30	0
SZ1615EGN	M	MR113071	R1	CY2309SXI-1H	121	0	168	30	0
SZ1615EGN	M	MR113071	R1	CY2309SXI-1H	121	0	288	30	0
SZ32458CLN	JT	MR114002	R1	CY62128ELL-45SXIT	121	0	168	30	0
SZ32458CLN	JT	MR114002	R1	CY62128ELL-45SXIT	121	0	288	30	0
SZ1615FAL	T	MR114019	R1	CY7C63801-SXC	121	0	168	30	0



SZ1615FAL	T	MR114019	R1	CY7C63801-SXC	121	0	288	30	0
SZ24315EGN	RA	MR114020	R1	CY7C63743C-SXCT	121	0	168	30	0
SZ815CGAAS	M	MR114037	R1	CY2305CSXA-1H	121	0	96	30	0
SZ815CGAAS	M	MR114037	R1	CY2305CSXA-1H	121	0	168	30	0
SZ815CGAAS	M	MR114037	R1	CY2305CSXA-1H	121	0	288	30	0
SZ1615BKGN	RA	MR121006	R1	CY8C21234-24SXI	121	0	168	30	0
SZ32451BLN	JT	MR121010	R1	CY7C53120E2-10SXI	121	0	168	30	0
SZ24315DGN	RA	MR121011	R1	CY7C63823-SXC	121	0	168	30	0
SZ815CGAAS	M	MR121028	R1	CY2305CSXA-1HT	121	0	96	30	0
SZ815CGAAS	M	MR121028	R1	CY2305CSXA-1HT	121	0	168	30	0
SZ0815TAGN	T	MR121045	R1	CY25422FSXI	121	0	168	30	0
SZ0815TAGN	T	MR121045	R1	CY25422FSXI	121	0	288	30	0
SZ1615FAL	T	121409	R1	CY8C20237-24SXI	121	0	168	77	0
SZ1615FAL	T	121409	R1	CY8C20237-24SXI	121	0	288	77	0
SZ1615FAL	T	122206	R1	CY8C20237-24SXI	121	0	288	86	0
SZ1615FAL	T	122206	R1	CY8C20237-24SXI	121	0	168	96	0
SZ1615FAL	T	122206	R2	CY8C20237-24SXI	121	0	288	86	0
SZ1615FAL	T	122206	R2	CY8C20237-24SXI	121	0	168	96	0
SZ1615FAL	T	122206	R3	CY8C20237-24SXI	121	0	168	95	0
SZ1615FAL	T	122206	R3	CY8C20237-24SXI	121	0	288	85	0
SZ1615DGN	M	MR121048	R1	CY8C21234-24SXI	121	0	168	30	0
SZ1615DGN	M	MR121048	R1	CY8C21234-24SXI	121	0	288	30	0
SZ324513AN	JT	MR121058	R1	CY62128BNLL-70SXA	121	0	96	30	0
SZ324513AN	JT	MR121058	R1	CY62128BNLL-70SXA	121	0	168	30	0
SZ1615BKGN	RA	MR122001	R1	CY8C21234-24SXI	121	0	168	30	0
SZ815CGAAS	M	MR122005	R1	CY2305CSXA-1HT	121	0	96	30	0



SZ815CGAAS	M	MR122005	R1	CY2305CSXA-1HT	121	0	168	30	0
SZ324513AN	JT	MR122012	R1	CY62128BNLL-70SXET	121	0	96	30	0
SZ324513AN	JT	MR122012	R1	CY62128BNLL-70SXET	121	0	168	30	0
SZ815PAEGN	RA	MR122018	R1	CY2305SXI-1HT	121	0	288	30	0
SZ32451DLL	JT	MR122039	R1	CY62138FV30LL-45SXI	121	0	168	30	0
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

Summary for Package Family: SOIC (Pb Free) 69 records

Sum 3167 0

SOJ

V243GAAAGN	X	MR113065	R1	CY7C197BN-15VC	121	0	168	30	0
V243GAAAGN	X	MR113065	R1	CY7C197BN-15VC	121	0	288	30	0

Summary for Package Family: SOJ 2 records

Sum 60 0

SOJ (Pb-Free)



VZ3649BALN	R	AR1131004	R1	CY7C1049DV33-10VXI	121	0	288	18	0
VZ3649BALN	R	AR1131004	R1	CY7C1049DV33-10VXI	121	0	168	18	0
VZ2847AAAR	OP	MR112051	R1	CY7C107D-10VXI	121	0	288	30	0
VZ444ACBLN	R	MR113049	R1	CG7109AM	121	0	288	30	0
VZ28311KLL	R	MR113064	R1	CY7C1399BN-15VXAT	121	0	96	30	0
VZ28311KLL	R	MR113064	R1	CY7C1399BN-15VXAT	121	0	168	30	0
VZ32314CLL	JT	MR114044	R1	CY7C1018DV33-10VXIT	121	0	168	30	0
VZ32314CLL	JT	MR114044	R1	CY7C1018DV33-10VXIT	121	0	288	30	0
VZ32420DLL	JT	MR121023	R1	CY7C1019D-10VXI	121	0	168	30	0
VZ32314CLL	JT	MR121024	R1	CY7C1009D-10VXI	121	0	168	30	0
VZ32420DLL	JT	NR113003	R1	CY7C109D-10VXI	121	0	168	25	0
VZ32420DLL	JT	NR113003	R1	CY7C109D-10VXI	121	0	288	25	0
VZ32421CLL	JT	NR113003	R2	CY7C1046DV33-10VXI	121	0	168	25	0
VZ32421CLL	JT	NR113003	R2	CY7C1046DV33-10VXI	121	0	288	25	0
VZ3649BBLN	JT	NR114001	R1	CY7C1049D-10VXIKJ	121	0	168	25	0
VZ3649BBLN	JT	NR114001	R1	CY7C1049D-10VXIKJ	121	0	288	25	0
VZ444ADDLN	JT	NR114001	R2	CY7C1041DV33-10VXIKJ	121	0	168	25	0
VZ444ADDLN	JT	NR114001	R2	CY7C1041DV33-10VXIKJ	121	0	288	25	0
VZ32420DLL	JT	MR121023	R1	CY7C1019D-10VXI	121	0	288	30	0
VZ444ADCLN	JT	MR122038	R1	CY7C1041D-10VXIT	121	0	168	30	0
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



Summary for Package Family: SOJ (Pb-Free)

26

records

Sum								716	0
SSOP (Pb-Free)									
SP483FBKGN	RA	AR1131008	R1	CY8C20536A-24PVXIT	121	0	168	22	0
SP483FBKGN	RA	AR1131008	R1	CY8C20536A-24PVXIT	121	0	288	22	0
SP28214GL	T	MR113052	R1	CY8C21534-24PVXI	121	0	288	30	0
SP483ACGAN	R	MR113013	R1	CY8C20536A-24PVXIT	121	0	288	30	0
SP282ABBGN	RA	MR113014	R1	CY8C21534-24PVXI	121	0	288	30	0
SP2822BGL	M	MR113037	R1	CY8C21534-24PVXA	121	0	96	30	0
SP2822BGL	M	MR113037	R1	CY8C21534-24PVXA	121	0	168	30	0
SP2822BGL	M	MR113037	R1	CY8C21534-24PVXA	121	0	288	29	0
SP2822BGL	M	MR114003	R1	CP7407ATT	121	0	96	30	0
SP2822BGL	M	MR114003	R1	CP7407ATT	121	0	168	30	0
SP2822BGL	M	MR114003	R1	CP7407ATT	121	0	288	30	0
SP282ABBGN	RA	MR114023	R1	CY8C24533-24PVXI	121	0	168	30	0
SP282ABBGN	RA	MR114023	R1	CY8C24533-24PVXI	121	0	288	30	0
SP563DBCGN	JT	MR121016	R1	CY7C68013A-56PVXC	121	0	168	30	0
SP483FBKGN	RA	MR121019	R1	CY8C20536A-24PVXIT	121	0	168	30	0
SP282ABBGN	RA	MR121043	R1	CY8C27443-24PVXIT	121	0	168	30	0
SP2824HAN	T	MR121052	R1	CY8C24533-24PVXI	121	0	168	30	0
SP483EBCAL	JT	NR113007	R1	CY8C27643-24PVXI	121	0	168	25	0
SP483EBCAL	JT	NR113007	R1	CY8C27643-24PVXI	121	0	288	25	0
SP563DBCGN	JT	NR113007	R2	CY7C68013A-56PVXC	121	0	168	25	0
SP563DBCGN	JT	NR113007	R2	CY7C68013A-56PVXC	121	0	288	25	0
SP563DBCGN	JT	NR113007	R3	CY7C68013A-56PVXC	121	0	168	25	0
SP563DBCGN	JT	NR113007	R3	CY7C68013A-56PVXC	121	0	288	25	0



SP483MBBGN	RA	MR114067	R2	CY8C3866PVI-021	121	0	168	30	0
SP483EBCAL	JT	MR114073	R2	CY8C29666-24PVXI	121	0	168	30	0
SP483EBCAL	JT	MR114073	R2	CY8C29666-24PVXI	121	0	288	30	0
SP28213GL	T	MR114080	R1	CY8C29466-24PVXI	121	0	168	30	0
SP28213GL	T	MR114080	R1	CY8C29466-24PVXI	121	0	288	30	0
SP563DBCGN	JT	MR121016	R1	CY7C68013A-56PVXC	121	0	288	30	0
SP2822BGL	M	MR121029	R1	CY8C21534-24PVXAT	121	0	96	29	0
SP2822BGL	M	MR121029	R1	CY8C21534-24PVXAT	121	0	168	28	0
SP282ABBGN	RA	MR121043	R1	CY8C27443-24PVXIT	121	0	288	30	0
SP2824HAN	T	MR121052	R1	CY8C24533-24PVXI	121	0	288	30	0
SP2024CAGL	M	MR121062	R1	CY8C21334-24PVXAT	121	0	96	30	0
SP2024CAGL	M	MR121062	R1	CY8C21334-24PVXAT	121	0	168	30	0
SP282ABBGN	RA	MR122004	R1	CY8C27443-24PVXIT	121	0	168	30	0
SP282ABBGN	RA	MR122004	R1	CY8C27443-24PVXIT	121	0	288	30	0
SP2822BGL	M	MR122006	R1	CY8C21534-12PVXET	121	0	96	30	0
SP2822BGL	M	MR122006	R1	CY8C21534-12PVXET	121	0	168	30	0
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
SP563DBCGN	JT	MR122025	R1	CY7C68013A-56PVXC	121	0	288	29	0
Summary for Package Family: SSOP (Pb-Free)			43	records					
Sum								1237	0
TQFP									
A64IBAABL	JT	NR113005	R3	CY7C144AV-25ACKJ			168	25	0
A64IBAABL	JT	NR113005	R3	CY7C144AV-25ACKJ			168	25	0
Summary for Package Family: TQFP			2	records					



Sum

50 0

TQFP (Pb-Free)

AZ44DGAGL	Q	MR112058	R1	CY7B995AXIT	121	0	288	30	0
AZ32GXGAN	G	MR113046	R1	CY29940AXIT	121	0	288	30	0
AZ100SFGAL	JT	RR114011	R1	CS7510AM	121	0	96	70	0
AZ100SFGAL	JT	RR114011	R1	CS7510AM	121	0	168	70	0
AZ100SFGAL	JT	RR114011	R1	CS7510AM	121	0	288	70	0
AZ64JAAALL	M	113604	R4	CY7C144E-55JXC	121	0	288	79	0
AZ100SFHAL	JT	114110	R1B1	CY8C5568AXI-060	121	0	168	37	0
AZ100RRBLL	R	AR1131001	R1	CY7C1460AV33-200AXC	121	0	288	17	0
AZ32GXGAN	G	MR112054	R1	CY29940AXCT	121	0	288	30	0
AZ100RUBLN	R	MR113022	R1	CY7C1350G-200AXC	121	0	288	30	0
AZ52AAGAL	Q	MR113051	R1	CY29972AXI	121	0	288	30	0
AZ100RBCLN	JT	MR114041	R1	CY7C1370D-167AXI	121	0	168	29	0
AZ100RBCLN	JT	MR114041	R1	CY7C1370D-167AXI	121	0	288	29	0
AZ100RJBLN	RA	MR114059	R1	CY7C68014A-100AXC	121	0	168	30	0
AZ100RJBLN	RA	MR114059	R1	CY7C68014A-100AXC	121	0	288	30	0
AZ100SFGAL	JT	MR114068	R1	CY8C3245AXI-158	121	0	168	30	0
AZ144AAAGR	Q	MR114081	R2	CY7C057V-12AXC	121	0	168	30	0
AZ144AAAGR	Q	MR114081	R2	CY7C057V-12AXC	121	0	288	30	0
AZ100RYCLN	JT	MR121021	R1	CY7C1360C-166AXI	121	0	168	30	0
AZ100RYCLN	JT	MR121021	R1	CY7C1360C-166AXI	121	0	288	30	0
AZ100RVLN	JT	MR121033	R1	CY7C68320C-100AXA	121	0	96	30	0
AZ100RVLN	JT	MR121033	R1	CY7C68320C-100AXA	121	0	168	30	0
AZ100RVLN	JT	MR121033	R1	CY7C68320C-100AXA	121	0	288	30	0
AZ64IBABLN	JT	NR113005	R2	CY7C4265-10AXIKJ	121	0	168	25	0



AZ44SFHAN	JT	NR113005	R1	CY37032VP44-100AXCKJ	121	0	168	25	0
AZ44SFHAN	JT	NR113005	R1	CY37032VP44-100AXCKJ	121	0	288	25	0
AZ64IBABLN	JT	NR113005	R2	CY7C4265-10AXIKJ	121	0	288	25	0
AZ100SFEAL	JT	NR113006	R3	CY7C026AV-25AXIKJ	121	0	168	25	0
AZ100RUCLN	JT	NR113006	R1	CY7C68013A-100AXCKJ	121	0	168	25	0
AZ100RUCLN	JT	NR113006	R2	CY7C68013A-100AXIKJ	121	0	168	25	0
AZ100RUCLN	JT	NR113006	R2	CY7C68013A-100AXIKJ	121	0	288	25	0
AZ100RUCLN	JT	NR113006	R1	CY7C68013A-100AXCKJ	121	0	288	25	0
AZ100SFEAL	JT	NR113006	R3	CY7C026AV-25AXIKJ	121	0	288	25	0
AZ100KGAN	G	MR121040	R1	CY7C024AV-25AXCT	121	0	168	30	0
AZ100KGAN	G	MR121040	R1	CY7C024AV-25AXCT	121	0	288	30	0
AZ100RJBLN	R	MR121042	R1	CY7C1350G-200AXCT	121	0	168	30	0
AZ100RJBLN	R	MR121042	R1	CY7C1350G-200AXCT	121	0	288	30	0
AZ100RVLN	JT	MR122007	R1	CY7C68320C-100AXA	121	0	96	30	0
AZ100RVLN	JT	MR122007	R1	CY7C68320C-100AXA	121	0	168	30	0
AZ44SBHLN	JT	MR122008	R1	CY7C53120E4-40AXI	121	0	168	30	0
AZ44SBHLN	JT	MR122008	R1	CY7C53120E4-40AXI	121	0	288	30	0
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

Summary for Package Family: TQFP (Pb-Free)

48

records

Sum

1551

0



TSOP (Pb-free)

ZT28R2BCLN	JT	NR113004	R3	CY62256VNLL-70ZXC	121	0	168	25	0
ZT28R2BCLN	JT	MR114004	R1	CY62256VNLL-70ZXI	121	0	168	30	0
ZT28R2BCLN	JT	NR113004	R3	CY62256VNLL-70ZXC	121	0	288	25	0
ZT28R2BCLN	JT	MR114004	R1	CY62256VNLL-70ZXI	121	0	288	30	0
ZT28R4BAGL	JT	NR113004	R2	CY7C1399BN-12ZXC	121	0	168	25	0
ZT28R4BAGL	JT	NR113004	R2	CY7C1399BN-12ZXC	121	0	288	25	0
ZT32RABALL	T	MR113036	R1	CY62128EV30LL-45ZXI	121	0	288	29	0
ZT32RBBALL	T	MR114065	R1	CY62128ELL-45ZXA	121	0	96	30	0
ZT32RBBALL	T	MR121034	R1	CY62128ELL-45ZXA	121	0	96	30	0
ZT32RBBALL	T	MR121034	R1	CY62128ELL-45ZXA	121	0	168	30	0
ZT32RBBALL	T	MR114065	R1	CY62128ELL-45ZXA	121	0	168	30	0
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

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

Sum 608 0

TSOP I (Pb-Free)

ZB32RKALL	T	MR113003	R1	CY62128EV30LL-45ZAXI	121	0	288	30	0
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ZB32RHCALN	JT	MR114008	R1	CY62138FV30LL-45ZAXI	121	0	168	30	0
ZB32RHCALN	JT	MR114008	R1	CY62138FV30LL-45ZAXI	121	0	288	30	0
ZB32RKALL	T	MR114011	R1	CY62128EV30LL-45ZAXI	121	0	288	30	0
ZB32RKALL	T	MR114011	R1	CY62128EV30LL-45ZAXI	121	0	168	30	0
ZB32RHCALN	JT	NR113004	R1	CY62138FV30LL-45ZAXI	121	0	168	25	0
ZB32RHCALN	JT	NR113004	R1	CY62138FV30LL-45ZAXI	121	0	288	25	0
ZB32RHABL N	JT	MR122021	R1	CY62138FV30LL-45ZAXA	121	0	96	30	0
ZB32RHABL N	JT	MR122021	R1	CY62138FV30LL-45ZAXA	121	0	168	30	0
ZB32RHABL N	JT	MR123001	R1	CY62138FV30LL-45ZAXAT	121	0	168	30	0
ZB32RHABL N	JT	MR123001	R1	CY62138FV30LL-45ZAXAT	121	0	96	30	0

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

11 records

Sum

320 0

TSOP II (Pb-Free)

ZW444YBLL	R	AR1131002	R1	CY7C1041BN-15ZXIT	121	0	168	20	0
ZW444YBLL	R	AR1131002	R1	CY7C1041BN-15ZXIT	121	0	288	19	0
ZW444YBLL	R	MR113006	R1	CY7C1041BN-15ZXIT	121	0	288	30	0
ZW444ALLR	G	MR113047	R1	CY7C1051DV33-10ZSXI	121	0	288	30	0
ZW444AKDLN	JT	111409	R4	7A134101FC-JTZWE	121	0	96	100	0
ZW444AKDLN	JT	111409	R4	7A134101FC-JTZWE	121	0	168	90	0
ZW324CBLL	T	MR113004	R1	CY62148ELL-45ZSXIT	121	0	288	30	0
ZW444AAGLL	T	MR113043	R1	CY71041DV33-10ZSXI	121	0	288	29	0
ZW324CBALR	T	MR114057	R1	CY62148EV30LL-45ZSXAT	121	0	96	30	0
ZW324CBALR	T	MR114057	R1	CY62148EV30LL-45ZSXAT	121	0	168	25	0
ZW444AHLL	R	MR114007	R1	CY62126EV30LL-55ZSXE	121	0	96	30	0
ZW444AHLL	R	MR114007	R1	CY62126EV30LL-55ZSXE	121	0	168	30	0



ZW444AHLL	R	MR114007	R1	CY62126EV30LL-55ZSXE	121	0	288	30	0
ZW444ALLR	G	MR114043	R1	CY7C1051DV33-10ZSXI	121	0	168	30	0
ZW444ALLR	G	MR114043	R1	CY7C1051DV33-10ZSXI	121	0	288	30	0
ZW44AAXAGL	RA	MR121003	R1	CY7C1021D-10ZSXIT	121	0	168	30	0
ZW44ABXAGL	RA	MR114027	R1	CY62137EV30LL-45ZSXI	121	0	168	30	0
ZW44ABXAGL	RA	MR114027	R1	CY62137EV30LL-45ZSXI	121	0	288	30	0
ZW44ADXAGL	RA	MR121018	R1	CY14B104NA-ZS45XIT	121	0	168	30	0
ZW544AALL	G	MR121022	R1	CY7C1069AV33-10ZXCT	121	0	168	30	0
ZW324FBGL	T	MR121026	R1	CY7C1019CV33-10ZXA	121	0	96	30	0
ZW324FBGL	T	MR121026	R1	CY7C1019CV33-10ZXA	121	0	168	30	0
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	CY7C1011CV33-12ZSXE	121	0	168	30	0
ZW444AKCLN	R	MR114064	R1	CY7C1011CV33-12ZSXE	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
ZW44AAXAGL	RA	MR121003	R1	CY7C1021D-10ZSXIT	121	0	288	29	0



ZW44ADXAGL	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	CY7C1019CV33-10ZXA	121	0	168	30	0
ZW324FBGL	T	MR122036	R1	CY7C1019CV33-10ZXA	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

Summary for Package Family: TSOP II (Pb-Free) 64 records

Sum 1894 0

RTSOP (Pb-free)

ZY28R2CLN	JT	MR114009	R1	CY62256VNLL-70ZRXIT	121	0	168	30	0
ZY28R2CLN	JT	MR114009	R1	CY62256VNLL-70ZRXIT	121	0	288	30	0

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

Sum 60 0

TSSOP (Pb-Free)



ZZ1620GDAN	RA	MR113010	R1	CY24293ZXI	121	0	288	29	0
ZZ2014BGN	T	MR113053	R1	CY25404ZXI-003T	121	0	288	30	0
ZZ1614HAN	T	MR114022	R1	CY22388ZXC-25T	121	0	168	30	0
ZZ1614HAN	T	MR114022	R1	CY22388ZXC-25T	121	0	288	30	0
ZZ1620GBAN	RA	MR114026	R1	CY22388ZXC-26T	121	0	168	30	0
ZZ1620GBAN	RA	MR114026	R1	CY22388ZXC-26T	121	0	288	30	0
ZZ1614HAN	T	MR121001	R1	CY25823ZXC	121	0	168	30	0
ZZ1614HAN	T	MR121001	R1	CY25823ZXC	121	0	288	30	0
ZZ1620GBAN	RA	MR121002	R1	CY22388ZXC-27T	121	0	168	30	0
ZZ1620GBAN	RA	MR121002	R1	CY22388ZXC-27T	121	0	288	30	0
ZZ2014BGN	T	MR122014	R1	CY25404ZXI013T	121	0	168	30	0
ZZ2014BGN	T	MR122014	R1	CY25404ZXI013T	121	0	288	30	0
ZZ1620GBAGN	RA	MR122015	R1	CY2309ZC-1HT	121	0	168	30	0
ZZ1620GBAGN	RA	MR122015	R1	CY2309ZC-1HT	121	0	288	30	0
ZZ1620GCAN	RA	MR122019	R1	CY2309ZXC-1HT	121	0	168	30	0
ZZ1620GCAN	RA	MR122019	R1	CY2309ZXC-1HT	121	0	288	30	0
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
Summary for Package Family: TSSOP (Pb-Free)			19	records				569	0
Sum								569	0
VFBGA (0.75-0.8, 0.3mm)									
BV48BNALE	G	MR113066	R1	CY62167DV30LL-70BVI	121	0	168	30	0
BV48BNALE	G	MR113066	R1	CY62167DV30LL-70BVI	121	0	288	29	0
BV48ATALE	RA	MR114066	R1	CY62157DV30LL-55BVIT	121	0	168	30	0
BV48CFAALE	G	MR114078	R1	CY62157EV30LL-45BVIT	121	0	168	30	0



BV48DAAALE	RA	MR114010	R1	CY62137FV30LL-45BVIT	121	0	168	30	0
BK48DJALL	G	MR114042	R1	CY62177DV30LL-55BAXI	121	0	288	30	0
BV48ATALE	RA	MR114066	R1	CY62157DV30LL-55BVIT	121	0	288	30	0
BV48CFAALE	G	MR114078	R1	CY62157EV30LL-45BVIT	121	0	288	30	0
BV48DAAALE	RA	MR114010	R1	CY62137FV30LL-45BVIT	121	0	288	30	0
BV48CRALE	G	MR123032	R1	CY62167EV30LL-45BVIT	121	0	288	30	0
BV48CRALE	G	MR123032	R1	CY62167EV30LL-45BVIT	121	0	168	30	0

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

11 records

Sum 329 0

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

BZ48ZEAALE	RA	MR113089	R1	CY62157EV18LL-55BVXIT	121	0	288	79	0
BZ48CRALL	G	MR113088	R1	CY62167EV30LL-45BVXI	121	0	288	79	0
BZ48CNAALL	G	MR113090	R1	CY62167DV30LL-55BVXI	121	0	288	79	0
BZ48CNAALL	G	MR113091	R1	CY62167DV30LL-55BVXI	121	0	288	77	0
BZ48CRALL	G	111605	R2	CY62167EV30LL-45BVXI	121	0	168	80	0
BZ48CRALL	G	111605	R2	CY62167EV30LL-45BVXI	121	0	288	78	0
BZ84AAAAAL	RA	112210	R1	CY8CTMA1036BZI-13ES	121	0	168	80	0
BZ84AAAAAL	RA	112210	R1	CY8CTMA1036BZI-13ES	121	0	288	80	0
BZ48CEAALL	G	MR113057	R1	CY62147EV30LL-45BVXA	121	0	96	30	0
BZ48CEAALL	G	MR113057	R1	CY62147EV30LL-45BVXA	121	0	168	28	0
BZ48CEAALL	G	MR113057	R1	CY62147EV30LL-45BVXA	121	0	288	26	0
BZ48CNAALL	G	MR114018	R1	CY62167DV30LL-55BVXI	121	0	168	30	0
BZ48DAGLL	RA	MR121004	R1	CY62137FV30LL-45BVXIT	121	0	168	30	0
BZ100BABLL	RA	MR121008	R1	CYDMX128A16-65BVXIT	121	0	168	30	0



BZ100HAALL	RA	120609	R3	CYWB0226ABM-BVXI	121	0	288	103	0
BZ48CJALL	RA	120610	R3	CY62167DV30LL-55BVXI	121	0	288	99	0
BZ48CEAALL	G	MR114006	R1	CY62147EV30LL-45B2XA	121	0	96	30	0
BZ48CEAALL	G	MR114006	R1	CY62147EV30LL-45B2XA	121	0	168	30	0
BZ48CNAALL	G	MR114018	R1	CY62167DV30LL-55BVXI	121	0	288	29	0
BZ48DAGLL	RA	MR121004	R1	CY62137FV30LL-45BVXIT	121	0	288	30	0
BZ100BABLL	RA	MR121008	R1	CYDMX128A16-65BVXIT	121	0	288	30	0
BZ48CEAALL	G	MR121025	R1	CY62147EV30LL-45BVXA	121	0	96	30	0
BZ48CEAALL	G	MR121050	R1	CY62136EV30LL-45BVXI	121	0	168	30	0
BZ48CEAALL	G	MR121050	R1	CY62136EV30LL-45BVXI	121	0	288	30	0
BZ48CEAALL	G	MR122011	R1	CY62147EV30LL-45BVXA	121	0	96	30	0
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
Summary for Package Family: VFBGA (0.75-0.8, 0.3mm, Pb-Free)			45	records					
Sum							1817	0	



Summary Detail -- TCT Performance Over Time

BUILDKIT	ASSY SITE	EVALNUM	TV	DEVICE	TEMP	VOLT	READOUT	SS	REJECT	FA	COMMENTS	
UFBGA (Pb-free)												
BU84AAAAAL	G	121302	R1	CY8CTMA1036BUI-33ES2	150/-65	0	500	76	0			
BU84AAAAAL	G	121302	R2	CY8CTMA1036BUI-33ES2	150/-65	0	500	77	0			
BU84AAAAAL	G	121302	R3	CY8CTMA1036BUI-33ES2	150/-65	0	500	77	0			
BU84AAAAAL	G	121302	R1	CY8CTMA1036BUI-33ES2	150/-65	0	1000	76	0			
BU84AAAAAL	G	121302	R2	CY8CTMA1036BUI-33ES2	150/-65	0	1000	77	0			
BU84AAAAAL	G	121302	R3	CY8CTMA1036BUI-33ES2	150/-65	0	1000	77	0			
BU60AAAAAL	G	NR122006	R1	CY8CTMA463-60BUI	150/-65	0	1000	23	0			
BU60AAAAAL	G	NR122006	R1	CY8CTMA463-60BUI	150/-65	0	500	25	0			
BU60AAAAAL	G	NR122006	R2	CY8CTMA463-60BUI	150/-65	0	1000	25	0			
BU60AAAAAL	G	NR122006	R2	CY8CTMA463-60BUI	150/-65	0	500	25	0			
BU60AAAAAL	G	NR122006	R3	CY8CTMA400-60BUI	150/-65	0	1000	25	0			
BU60AAAAAL	G	NR122006	R3	CY8CTMA400-60BUI	150/-65	0	500	25	0			
Summary for Package Family: UFBGA (Pb-free)			6	records								
Sum								608	0			
FBGA (0.75-0.8, 0.3mm)												
BA48ZGALE	G	MR113048	R1	CY7C1021BNV33L-15BAI	150/-65	0	500	30	0			
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
Summary for Package Family: FBGA			1	records					
(0.75-0.8, 0.3mm)									
Sum								180	0

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

BK121CGAGL	GQ	102402	R3	CYUSB3014-BZXIES	150/-65	0	1000	80	0
BK48DZAAAL	G	113205	R1	CY7C1081DV33-12BAXI	150/-65	0	500	79	0
BK48DZAAAL	G	113205	R2	CY7C1081DV33-12BAXI	150/-65	0	500	77	0
BK48DZAAAL	G	113205	R3	CY7C1081DV33-12BAXI	150/-65	0	500	77	0
BK48DZAAAL	G	113205	R1	CY7C1081DV33-12BAXI	150/-65	0	500	80	0
BK48DZAAAL	G	113303	R1	CY7C1081DV33-12BAXI	150/-65	0	500	79	0
BK48DZAAAL	G	113303	R1	CY7C1081DV33-12BAXI	150/-65	0	1000	79	0
BK48DZAAAL	G	113303	R3	CY7C1081DV33-12BAXI	150/-65	0	500	77	0
BK48DZAAAL	G	113303	R2	CY7C1081DV33-12BAXI	150/-65	0	500	77	0
BK48DZAAAL	G	113303	R2	CY7C1081DV33-12BAXI	150/-65	0	1000	77	0
BK48DZAAAL	G	113303	R3	CY7C1081DV33-12BAXI	150/-65	0	1000	76	0
BK48DZAAAL	G	113303	R1	CY7C1081DV33-12BAXI	150/-65	0	500	80	0
BK121BGAGL	RA	104607	R3	CYUSB3014-BZXI	150/-65	0	500	82	0
BK121BGAGL	RA	104607	R3	CYUSB3014-BZXI	150/-65	0	1000	82	0
BK48DLBLL	G	MR113033	R1	CY62187EV30LL-55BAXI	150/-65	0	500	30	0
BK48JAAALL	G	MR121088	R1	CY7C1071DV33-12BAXIT	150/-65	0	400	12	0
BK48JAAALL	G	MR121088	R1	CY7C1071DV33-12BAXIT	150/-65	0	500	12	0
BK48JAAALL	G	MR121088	R1	CY7C1071DV33-12BAXIT	150/-65	0	590	12	0
BK121BGAGL	RA	114603	R2	CYUSB3014-BZXIES	150/-65	0	500	81	0
BK121BGAGL	RA	114603	R2	CYUSB3014-BZXIES	150/-65	0	1000	81	0
BK121BGAGL	RA	114603	R3	CYUSB3014-BZXIES	150/-65	0	500	81	0



BK121BGAGL	RA	114603	R3	CYUSB3014-BZXIES	150/-65	0	1000	81	0
BK48DJALL	G	MR114042	R1	CY62177DV30LL-55BAXI	150/-65	0	500	30	0
BK48DJALL	G	MR121049	R1	CY62177DV30LL-55BAXI	150/-65	0	500	27	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

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

30 records
1814 0

FBGA (1.0-1.27)

BB165AVLE	RA	MR114038	R1	CY7C1305TV25-167BZC	150/-65	0	500	30	0
BB165AVLE	RA	MR114038	R1	CY7C1305TV25-167BZC	150/-65	0	1000	30	0
BB165RNALE	RA	MR114058	R1	CY7C1312KV18-250BZC	150/-65	0	500	30	0
BB165RNALE	RA	MR114058	R1	CY7C1312KV18-250BZC	150/-65	0	1000	30	0
BB165RNALE	RA	MR121017	R1	CY7C1313KV18-250BZC	150/-65	0	500	30	0
BB165RNALE	RA	MR121017	R1	CY7C1313KV18-250BZC	150/-65	0	1000	30	0
BB165AHLE	G	MR121020	R1	CY7C1420BV18-200BZC	150/-65	0	500	30	0
BB165AHLE	G	MR121020	R1	CY7C1420BV18-200BZC	150/-65	0	1000	29	0
BB165RNALE	RA	MR122017	R1	CY7C1312KV18-250BZC	150/-65	0	500	30	0
BB165BUALE	G	MR122029	R1	CY7C1512KV18-250BZC	150/-65	0	500	30	0



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

Summary for Package Family: FBGA (1.0-1.27) 20 records

Sum 388 0

FBGA (1.0-1.27, Pb-free)

BW165GAALL	RA	MR113018	R1	CY7C1512KV18-250BZXI	150/-65	0	1000	30	0
BW165RJALL	RA	MR113074	R1	CY7C1412KV18-250BZXI	150/-65	0	500	30	0
BW165RJALL	RA	MR113074	R1	CY7C1412KV18-250BZXI	150/-65	0	1000	30	0
BW165RBALL	RA	112604	R1	7C1570QXO	150/-65	0	500	77	0
BW165RBALL	RA	112604	R1	7C1570QXO	150/-65	0	1000	77	0
BW165RJALL	RA	MR114039	R1	CY7C1414KV18-250BZXI	150/-65	0	500	30	0
BW165RJALL	RA	MR114039	R1	CY7C1414KV18-250BZXI	150/-65	0	1000	30	0
BW165RJALL	RA	MR121035	R1	CY7C1414KV18-250BZXC	150/-65	0	500	29	0
BW165RJALL	RA	MR121035	R1	CY7C1414KV18-250BZXC	150/-65	0	1000	29	0
BW165RTALL	RA	120609	R1	CY7C16131KV18-300BZXC	150/-65	0	1000	99	0
BW165RTALL	RA	120609	R1	CY7C16131KV18-300BZXC	150/-65	0	1500	84	0
BW165RTALL	RA	120609	R1	CY7C16131KV18-300BZXC	150/-65	0	2000	79	0
BW165RTALL	RA	120609	R2	CY7C16131KV18-300BZXC	150/-65	0	1000	110	0
BW165RTALL	RA	120609	R2	CY7C16131KV18-300BZXC	150/-65	0	1500	110	0
BW165RTALL	RA	120609	R2	CY7C16131KV18-300BZXC	150/-65	0	2000	110	0
BW165GAALL	RA	120610	R1	CY7C1512KV18-250BZXC	150/-65	0	1000	99	0
BW165GAALL	RA	120610	R1	CY7C1512KV18-250BZXC	150/-65	0	1500	89	0
BW165GAALL	RA	120610	R1	CY7C1512KV18-250BZXC	150/-65	0	2000	89	0
BW165GAALL	RA	120610	R2	CY7C1512KV18-250BZXC	150/-65	0	1000	110	0
BW165GAALL	RA	120610	R2	CY7C1512KV18-250BZXC	150/-65	0	1500	110	0



BW165GAALL	RA	120610	R2	CY7C1512KV18-250BZXC	150/-65	0	2000	110	0
BW165BUALL	G	120612	R1	CY7C1512KV18-250BZXC	150/-65	0	500	100	0
BW165BUALL	G	120612	R1	CY7C1512KV18-250BZXC	150/-65	0	1000	85	0
BW165BUALL	G	120612	R2	CY7C1512KV18-250BZXC	150/-65	0	500	100	0
BW165BUALL	G	120612	R2	CY7C1512KV18-250BZXC	150/-65	0	1000	95	0
BW165BUALL	G	120612	R3	CY7C1512KV18-250BZXC	150/-65	0	500	100	0
BW165BUALL	G	120612	R3	CY7C1512KV18-250BZXC	150/-65	0	1000	95	0
BW165GAALL	RA	MR113018	R1	CY7C1512KV18-250BZXI	150/-65	0	2000	30	0
BW165GAALL	RA	MR113018	R1	CY7C1512KV18-250BZXI	150/-65	0	1500	30	0
BW100EAGL	G	MR121055	R1	CYP15G0101DXB-BBXC	150/-65	0	500	30	0
BW100EAGL	G	MR121055	R1	CYP15G0101DXB-BBXC	150/-65	0	1000	30	0
BW165BUALL	G	MR121059	R1	CY7C1512KV18-250BZXC	150/-65	0	500	30	30
BW165BUALL	G	MR121059	R1	CY7C1512KV18-250BZXC	150/-65	0	1000	30	30
BW165RJALL	RA	MR122009	R1	CY7C1412KV18-250BZXI	150/-65	0	500	30	28
BW100EAGL	G	MR122020	R1	CYP15G0101DXB-BBXC	150/-65	0	500	30	0
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
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Summary for Package Family: FBGA (1.0-1.27, Pb-free) **49** **records**

Sum **3064** **0**

PBGA (1.27)

BG119SALE	G	MR114040	R1	CY7C1366C-166BGC	150/-65	0	500	30	0
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BG119SALE	G	MR114040	R1	CY7C1366C-166BGC	150/-65	0	1000	30	0
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Summary for Package Family: PBGA (1.27) **2** **records**

Sum **60** **0**

FLIPCHIP CSP (Pb-Free)

FN49ABAAAL	AU	113211	R4	CP7457KTF	125/-55	0	500	78	0
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FN49ABAAAL	AU	113211	R4B	CP7457KTF	125/-55	0	500	75	0
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FN49AADRCD	DT	114104	R1	CY8CTMA340-FNI-09KD	125/-55	0	1000	98	0
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FN49AADRCD	DT	114104	R2	CY8CTMA340-FNI-09KD	125/-55	0	1000	89	0
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FN49AADRCD	DT	114104	R3	CY8CTMA340-FNI-09KD	125/-55	0	1000	90	0
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FN49ABDRCD	DT	114105	R1	CY8CTMA3405-FNI-09KD	125/-55	0	1000	89	0
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FN49ABDRCD	DT	114105	R2	CY8CTMA3405-FNI-09KD	125/-55	0	1000	88	0
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FN49ABDRCD	DT	114105	R3	CY8CTMA3405-FNI-09KD	125/-55	0	1000	90	0
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FB131ATBCD	AU	103501	R2	CYWB0263BB-FBXIES	125/-55	0	500	85	0
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FB131ATBCD	AU	103501	R3	CYWB0263BB-FBXIES	125/-55	0	500	85	0
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FB131ATBCD	AU	103501	R3	CYWB0263BB-FBXIES	125/-55	0	1000	85	0
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FB131ATBCD	AU	103501	R2	CYWB0263BB-FBXIES	125/-55	0	1000	85	0
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FN49BATRCD	AU	112211	R3	CY8CTMA443-49FNIES2	125/-55	0	500	80	0
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FN49BATRCD	AU	112211	R1	CY8CTMA443-49FNIES2	125/-55	0	500	80	0
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FN49BATRCD	AU	112211	R2	CY8CTMA443-49FNIES2	125/-55	0	500	80	0
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FN49BATRCD	AU	112211	R3	CY8CTMA443-49FNIES2	125/-55	0	1000	79	0
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FN49BATRC	AU	112211	R1	CY8CTMA443-49FNIES2	125/-55	0	1000	80	0
FN49BATRC	AU	112211	R2	CY8CTMA443-49FNIES2	125/-55	0	1000	80	0
FN60AATRC	AU	112212	R1	CY8CTMA443-60FNIES2	125/-55	0	500	80	0
FN60AATRC	AU	112212	R2	CY8CTMA443-60FNIES2	125/-55	0	500	80	0
FN60AATRC	AU	112212	R3	CY8CTMA443-60FNIES2	125/-55	0	500	80	0
FN60AATRC	AU	112212	R3	CY8CTMA443-60FNIES2	125/-55	0	1000	80	0
FN60AATRC	AU	112212	R1	CY8CTMA443-60FNIES2	125/-55	0	1000	80	0
FN49	DT	113102	R1	CY8CTMA340-FNI-09	125/-55	0	1000	88	0
FN49	DT	113102	R2	CY8CTMA340-FNI-09	125/-55	0	1000	87	0
FN49	DT	113102	R3	CY8CTMA340-FNI-09	125/-55	0	1000	85	0
FN30BBTRFP	AU	114003	R1	CY8C20767-24FDXCES	125/-55	0	500	76	0
FN49ABAAAL	AU	114103	R2A	CP7457KTF	125/-55	0	500	78	0
FN49ABAAAL	AU	114103	R2A	CP7457KTF	125/-55	0	500	75	0
FN49ABAAAL	AU	MR112078	R1	CG7411AMT	125/-55	0	1000	25	0
FN49ABAAAL	AU	MR112078	R1	CG7411AMT	125/-55	0	500	29	0
FN81AGAN	AU	MR113060	R1	CYWB0124ABX-FDXIT	125/-55	0	500	30	0
FN81AGAN	AU	MR113060	R1	CYWB0124ABX-FDXIT	125/-55	0	1000	30	0
FN49ABAAAL	AU	MR113068	R1	CY8CTMA340-FNI-11T	125/-55	0	500	30	0
FN49ACAAAL	GQ	MR113072	R1	CY8CTMA340-FNI-09T	125/-55	0	500	25	0
FN81AGAN	AU	MR114061	R1	CYWB0124ABX-FDXI	125/-55	0	1000	30	0
FN81AGAN	AU	MR114061	R1	CYWB0124ABX-FDXI	125/-55	0	500	30	0
FN49BADRC	DT	120807	R1	CY8CTMA443-49FNIES2	125/-55	0	1000	79	0
FN49BADRC	DT	120807	R2	CY8CTMA443-49FNIES2	125/-55	0	1000	80	0
FN49BADRC	DT	120807	R3	CY8CTMA443-49FNIES2	125/-55	0	1000	79	0
FN60AADRC	DT	120808	R1	CY8CTMA443-60FNIES2	125/-55	0	500	77	0
FN60AADRC	DT	120808	R1	CY8CTMA443-60FNIES2	125/-55	0	1000	76	0



FN60AADRC	DT	120808	R2	CY8CTMA443-60FNIES2	125/-55	0	500	78	0
FN60AADRC	DT	120808	R2	CY8CTMA443-60FNIES2	125/-55	0	1000	76	0
FN60AADRC	DT	120808	R3	CY8CTMA443-60FNIES2	125/-55	0	500	79	0
FN60AADRC	DT	120808	R3	CY8CTMA443-60FNIES2	125/-55	0	1000	79	0
FN49ABAAAL	AU	MR121046	R1	CP7455ATT	125/-55	0	500	29	0
FN49ACAAAL	GQ	MR113072	R1	CY8CTMA340-FNI-09T	125/-55	0	1000	25	0

Summary for Package Family: FLIPCHIP CSP (Pb-Free) 65 records

Sum 3391 0

PBGA (Cavity/Heat Sink)

BL256L2GE	G	MR111039	R2	CYP15G0401DXB-BGC	150/-65	0	500	80	0
BL256L2GE	G	MR111039	R2A	CYP15G0401DXB-BGC	150/-65	0	500	75	0
BL256L2GE	G	MR111039	R3	CYP15G0401DXB-BGC	150/-65	0	500	78	0
BL256L2GE	G	MR111039	R3A	CYP15G0401DXB-BGC	150/-65	0	500	75	0
BL256L2GE	G	MR111039	R2	CYP15G0401DXB-BGC	150/-65	0	1000	79	0
BL256L2GE	G	MR111039	R3	CYP15G0401DXB-BGC	150/-65	0	1000	77	0

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

Sum 464 0

PBGA (Cavity/Heat Sink, Pb-free)

BJ256L2GL	G	MR121007	R1	CYP15G0401DXB-BGXI	150/-65	0	500	30	0
BJ256L2GL	G	MR121007	R1	CYP15G0401DXB-BGXI	150/-65	0	1000	30	0

Summary for Package Family: PBGA (Cavity/Heat Sink, Pb-free) 10 records

Sum 60 0

PDIP

P2434XAAGB	X	MR122037	R1	CY7C194BN-15PC	150/-65	0	1000	30	0
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P2434XAAGB	X	MR122037	R1	CY7C194BN-15PC	150/-65	0	500	30	0
Summary for Package Family: PDIP			10	records				60	0
Sum								60	0
PDIP (Pb-Free)									
PZ183DPBGN	RA	MR113087	R1	CS6632AF	150/-65	0	500	30	0
PZ183DPBGN	RA	MR113087	R1	CS6632AF	150/-65	0	1000	30	0
PZ183EAAGN	X	MR114021	R1	CY7C63723C-PXC	150/-65	0	500	30	0
PZ183EAAGN	X	MR114021	R1	CY7C63723C-PXC	150/-65	0	1000	29	0
PZ183DPDGN	RA	MR121012	R1	CP6238BM	150/-65	0	500	30	0
PZ183DPDGN	RA	MR121012	R1	CP6238BM	150/-65	0	1000	30	0
PZ286EAAGN	X	MR121053	R1	CY62256NLL-70PXC	150/-65	0	500	30	0
PZ283ACAGL	X	RR112018	R1	CY7C199CN-15PXC	150/-65	0	1000	7	0
PZ283ACAGL	X	RR114001	R1	CY7C199CN-15PXC	150/-65	0	500	84	0
PZ283ACAGL	X	RR114001	R1	CY7C199CN-15PXC	150/-65	0	1000	84	0
PZ286EAAGN	X	MR121053	R1	CY62256NLL-70PXC	150/-65	0	1000	30	0
PZ183DPDGN	RA	MR122016	R1	CY7C63723C-PXC	150/-65	0	500	30	0
PZ283AAAGN	X	MR122047	R1	CY8C27443-24PXI	150/-65	0	500	30	0
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
Summary for Package Family: PDIP (Pb-Free)			18	records				682	0
Sum								682	0



PLCC (Pb-Free)

JZ84SBGAN	M	111501	R1	CY7C024-55JXC	150/-65	0	1000	77	0		
JZ84SBGAN	M	111501	R2	CY7C024-55JXC	150/-65	0	1000	77	0		
JZ44SDGAN	M	111501	R3	CY37064P44-125JXC	150/-65	0	1000	80	0		
JZ84SBGAN	M	111501	R4	CY7C024-55JXC	150/-65	0	1000	77	0		
JZ52SGGAAN	M	113405	R1	CY7C136E-55JXC	150/-65	0	758	79	3	CAR# 201140020	Cut Wedge
JZ52SGGAAN	M	113405	R2	CY7C136E-55JXC	150/-65	0	758	79	8	CAR# 201140020	Cut Wedge
JZ68SDAALL	M	113604	R3	CY7C144E-55JXC	125/-55	0	500	77	0		
JZ68SDAALL	M	113604	R3	CY7C144E-55JXC	125/-55	0	1000	77	0		
JZ52SGGAAN	M	113405	R1	CY7C136E-55JXC	150/-65	0	1000	73	0		
JZ52SGGAAN	M	113405	R2	CY7C136E-55JXC	150/-65	0	1000	62	0		
JZ52SFGAN	M	MR114045	R1	CY7C136-25JXC	150/-65	0	500	30	0		
JZ52SFGAN	M	MR121054	R1	CY7C131-55JXC	150/-65	0	1000	30	0		
JZ52SFGAN	M	MR121054	R1	CY7C131-55JXC	150/-65	0	500	30	0		

Summary for Package Family: PLCC (Pb-Free)

17 records

Sum

848 11

PQFP (Pb-free)

NZ52EAALL	M	113405	R3	CY7C136E-55JXC	150/-65	0	1000	79	0		
NZ52EAALL	M	113405	R4	CY7C136E-55JXC	150/-65	0	1000	76	0		
NZ52DXGAN	G	MR113056	R1	CY7C136A-55NXI	150/-65	0	500	30	0		
NZ52DXGAN	G	MR113056	R1	CY7C136A-55NXI	150/-65	0	1000	30	0		
NZ52DXGAN	G	MR114028	R1	CY7C136A-55NXI	150/-65	0	500	30	0		
NZ52DXGAN	G	MR114028	R1	CY7C136A-55NXI	150/-65	0	1000	30	0		
NZ52DXGAN	G	MR121041	R1	CY7C131-55NXC	150/-65	0	500	30	0		
NZ52DXGAN	G	MR121041	R1	CY7C131-55NXC	150/-65	0	1000	30	0		
NZ52DXGAN	G	MR122023	R1	CY7C131-55NXC	150/-65	0	500	28	0		



NZ52DXGAN	G	MR122023	R1	CY7C131-55NXC	150/-65	0	1000	28	0
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Summary for Package Family: PQFP (Pb-free) 13

records

Sum

391 0

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

LG16ABAALL	L	113302	R2	CY8C20236A-24LKXA	150/-65	0	1000	80	0
LG16ABAALL	L	113302	R3	CY8C20236A-24LKXA	150/-65	0	1000	80	0
LG16AAAAL	MB	MR112021	R1	CY8C20236A-24LKXIT	150/-65	0	1000	30	0
LG16AQAAAL	G	114903	R1	CY8C20236A-24LKXI	150/-65	0	500	120	0
LG16AQAAAL	G	114903	R2	CY8C20236A-24LKXI	150/-65	0	500	119	0
LG16AQAAAL	G	114903	R3	CY8C20236A-24LKXI	150/-65	0	500	120	0
LG16AQAAAL	G	114903	R4	CY8C20224-12LKXI	150/-65	0	500	120	0
LG16AQAAAL	G	114903	R4	CY8C20224-12LKXI	150/-65	0	1000	110	0
LG16AQAAAL	G	114903	R5	CY8C20110-LDX2I	150/-65	0	500	120	0
LG16AQAAAL	G	114903	R5	CY8C20110-LDX2I	150/-65	0	1000	109	0
LG16ABAALL	L	MR112052	R1	CP7194FT	150/-65	0	1000	30	0
LG16AEAAAL	MB	MR113019	R1	CY8C20236A-24LKXIT	150/-65	0	500	30	0
LG16AEAAAL	MB	MR113019	R1	CY8C20236A-24LKXIT	150/-65	0	1000	30	0
LG16ABAALL	L	MR113029	R1	CS7412AT	150/-65	0	500	30	0
LG16ABAALL	L	MR113029	R1	CS7412AT	150/-65	0	1000	30	0
LG16AAAAL	MB	NR102001	R8	CS7148AT	150/-65	0	1000	56	0
LG16AAAAL	MB	RR114002	R1	CY8C20110-LDX2I	150/-65	0	200	100	0
LG16AAAAL	MB	RR114002	R1	CY8C20110-LDX2I	150/-65	0	500	100	0
LG16AAAAL	MB	RR114002	R2	CY8C20110-LDX2IT	150/-65	0	200	100	0
LG16AAAAL	MB	RR114002	R2	CY8C20110-LDX2IT	150/-65	0	500	100	0
LG16AAAAL	MB	RR114002	R3	CY8C20110-LDX2IT	150/-65	0	200	125	0
LG16AAAAL	MB	RR114002	R3	CY8C20110-LDX2IT	150/-65	0	500	125	0



LG16AAAAL	MB	RR121001	R1	CG7216AM	150/-65	0	500	80	0
LG16AQAAAL	G	114903	R4	CY8C20224-12LKXI	150/-65	0	1500	100	0
LG16AQAAAL	G	114903	R5	CY8C20110-LDX2I	150/-65	0	1500	99	0
LG16ABAALL	L	MR114030	R1	CG7471AMT	150/-65	0	500	30	0
LG16ABAALL	L	MR114032	R1	CY8C20236A-24LKXIT	150/-65	0	500	30	0
LG16AEAAAL	MB	MR121047	R1	CY8C20236A-24LKXIT	150/-65	0	500	30	0
LG16AEAAAL	MB	MR121047	R1	CY8C20236A-24LKXIT	150/-65	0	1000	30	0
LG16AQAAAL	G	NR121001	R1	CY8C20236A-24LKXI	150/-65	0	500	90	0
LG16AQAAAL	G	NR121001	R1	CY8C20236A-24LKXI	150/-65	0	1000	90	0
LG16AQAAAL	G	NR121001	R2	CY8C20236A-24LKXI	150/-65	0	500	89	0
LG16AQAAAL	G	NR121001	R2	CY8C20236A-24LKXI	150/-65	0	1000	89	0
LG16AQAAAL	G	NR121001	R3	CY8C20236A-24LKXI	150/-65	0	500	90	0
LG16AQAAAL	G	NR121001	R3	CY8C20236A-24LKXI	150/-65	0	1000	90	0
LG16AQAAAL	G	NR121001	R4	CY8C20236A-24LKXI	150/-65	0	500	90	0
LG16AQAAAL	G	NR121001	R5	CY8C20236A-24LKXI	150/-65	0	500	90	0
LG16AQAAAL	G	NR121001	R5	CY8C20236A-24LKXI	150/-65	0	1000	90	0
LG16AQAAAL	G	NR121001	R6	CY8C20236A-24LKXI	150/-65	0	500	89	0
LG16AQAAAL	G	NR121001	R6	CY8C20236A-24LKXI	150/-65	0	1000	89	0
LG16AQAAAL	G	NR121001	R7	CY8C20236A-24LKXI	150/-65	0	500	90	0
LG16AQAAAL	G	NR121001	R8	CY8C20236A-24LKXI	150/-65	0	500	90	0
LG16AQAAAL	G	NR121001	R9	CY8C20236A-24LKXI	150/-65	0	500	90	0
LG16AQAAAL	G	112603	R1	CY8C20236A-24LKXI	150/-65	0	1500	78	0
LG16AQAAAL	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

Summary for Package Family: QFN (COL, 0.6mm, Saw Type, Pb-free) **53** **records**

Sum **5283** **0**

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

LK32AABAGL	L	MR114033	R1	CG7361AMT	150/-65	0	500	29	0
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Summary for Package Family: QFN (0.6mm, Punch Type, Pb-Free) **1** **records**

Sum **29** **0**

QFN (Punch Type, Pb-Free)



LY24BGAGL	L	MR113040	R1	CY8C21323-24LFXIT	150/-65	0	500	30	0
LY56AGAGL	L	MR114036	R1	CY7C65630-56LFXA	150/-65	0	1000	30	0
LY56AGAGL	L	MR114036	R1	CY7C65630-56LFXA	150/-65	0	500	30	0
LY56DGAGL	L	MR114035	R1	CY8CTMG120-56LFXA	150/-65	0	500	28	0
LY56DGAGL	L	MR114035	R1	CY8CTMG120-56LFXA	150/-65	0	1000	27	0
LY56AGAGL	L	MR121030	R1	CY7C65630-56LFXA	150/-65	0	1000	29	0
LY56AGAGL	L	MR121030	R1	CY7C65630-56LFXA	150/-65	0	500	30	0
LY56DGAGL	L	MR121031	R1	CY8CTMG120-56LFXA	150/-65	0	500	24	0
LY56DGAGL	L	MR121031	R1	CY8CTMG120-56LFXA	150/-65	0	1000	23	0
LY56AGAGL	L	MR122010	R1	CY7C65620-56LFXA	150/-65	0	500	29	0
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

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

14 records

Sum

399 0

QFN (Saw Type, Pb-Free)

LT88AAAAAL	RA	113002	R1C	CY8CTMA884LTI-13ES	150/-65	0	500	74	0
LT88AAAAAL	RA	113002	R2A	CY8CTMA884LTI-13ES	150/-65	0	500	76	0
LT88AAAAAL	RA	113002	R3A	CY8CTMA884LTI-13ES	150/-65	0	500	74	0
LQ48AAAAAL	R	MR113039	R1	CY8CTMA340-48LQI-01	150/-65	0	1000	30	0
LQ32DAGLL	CA	MR113038	R1	CY8C20446A-24LQXIT	150/-65	0	1000	29	0
LT88AAAAAL	RA	113002	R1C	CY8CTMA884LTI-13ES	150/-65	0	1000	72	0
LQ48AAAAGL	RA	113905	R1	CY8CTMA443-48LQIES2	150/-65	0	500	83	0
LQ48AAAAGL	RA	113905	R1	CY8CTMA443-48LQIES2	150/-65	0	1000	83	0



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



LT68ADAAGL	RA	114110	R1A	CY8C5568LTI-114	150/-65	0	1000	74	0
LT68ADAAGL	RA	114110	R2A	CY8C5568LTI-114	150/-65	0	274	77	0
LT68ADAAGL	RA	114110	R2A	CY8C5568LTI-114	150/-65	0	500	77	0
LT68ADAAGL	RA	114110	R3	CY8C5568LTI-114	150/-65	0	500	84	0
LQ48AQAAAL	G	114101	R1	CY8CTMA443-48LQIES	150/-65	0	500	79	0
LQ48AQAAAL	G	114101	R2	CY8CTMA443-48LQIES	150/-65	0	500	80	0
LQ48AQAAAL	G	114101	R3	CY8CTMA443-48LQIES	150/-65	0	500	80	0
LQ24AQAAAL	G	114401	R1	CY7C63803-LQXC	150/-65	0	500	220	0
LQ24AQAAAL	G	114401	R2	CY8C20324-12LQXI	150/-65	0	500	220	0
LQ32QAAAAAL	G	114401	R3	CY8CTMG240-LQI-01	150/-65	0	500	220	0
LQ48AQAAAL	G	114403	R1	CY8CTMA300E-48LQXI	150/-65	0	1000	208	0
LQ48AQAAAL	G	114403	R1	CY8CTMA300E-48LQXI	150/-65	0	500	220	0
LQ48AQAAAL	G	114403	R2	CY8CTMA300E-48LQXI	150/-65	0	500	220	0
LQ48AQAAAL	G	114403	R2	CY8CTMA300E-48LQXI	150/-65	0	1000	209	0
LQ48AQAAAL	G	114403	R3	CY8CTMA300E-48LQXI	150/-65	0	500	220	0
LQ48AQAAAL	G	114403	R3	CY8CTMA300E-48LQXI	150/-65	0	1000	210	0
LQ56AQAAAL	G	114404	R1	CY8C24794-24LQXI	150/-65	0	500	220	0
LQ56AQAAAL	G	114404	R2	CY8C24794-24LQXI	150/-65	0	500	220	0
LQ56AQAAAL	G	114404	R3	CY8C24794-24LQXI	150/-65	0	500	220	0
LT68ADAAGL	RA	114407	R1	CY8C5568LTI-114	150/-65	0	500	77	0
LT68ADAAGL	RA	114407	R2	CY8C5568LTI-114	150/-65	0	500	80	0
LT68ADAAGL	RA	114407	R2	CY8C5568LTI-114	150/-65	0	1000	74	0
LT68ADAAGL	RA	114407	R3	CY8C5568LTI-114	150/-65	0	500	84	0
LT40ABAAAL	G	114904	R1	CYRF6986-40LTXC	150/-65	0	500	120	0
LT40ABAAAL	G	114904	R2	CYRF6986-40LTXC	150/-65	0	500	126	0
LT40ABAAAL	G	114904	R3	CYRF6986-40LTXC	150/-65	0	500	125	0



LT48AQAAAL	G	114905	R1	CY8C27643-24LTXI	150/-65	0	500	120	0
LT48AQAAAL	G	114905	R1	CY8C27643-24LTXI	150/-65	0	1000	120	0
LT48CQAAAL	G	114905	R2	CYWUSB6934-48LTXC	150/-65	0	500	120	0
LT48DQAAAL	G	114905	R3	CY8C3866LTI-068	150/-65	0	500	120	0
LT56YAAAAL	G	114906	R1	CY7C65630-56LTXC	150/-65	0	500	120	0
LT56YAAAAL	G	114906	R1	CY7C65630-56LTXC	150/-65	0	1000	108	0
LT68YAAAAL	G	114906	R2	CY8C3866LTI-030	150/-65	0	500	120	0
LT68YAAAAL	G	114906	R2	CY8C3866LTI-030	150/-65	0	1000	108	0
LT68YAAAAL	G	114906	R3	CY8C3866LTI-030	150/-65	0	500	120	0
LT32BBAAAL	G	114907	R1	CY8C21434-24LTXI	150/-65	0	500	120	0
LT32BBAAAL	G	114907	R2	CY22391LTXC-06	150/-65	0	500	126	0
LT32BBAAAL	G	114907	R3	CY7C63833-LTXC	150/-65	0	500	120	0
LQ48AAAAGL	RA	115106	R1	CY8CTMA443-48LQIES2	150/-65	0	500	80	0
LQ48AAAAGL	RA	115106	R1	CY8CTMA443-48LQIES2	150/-65	0	1000	78	0
LQ48AQAAAL	G	115108	R1	CY8CTMA443-48LQIES2	150/-65	0	500	77	0
LQ48AQAAAL	G	115108	R1	CY8CTMA443-48LQIES2	150/-65	0	1000	77	0
LQ44AAAALN	G	120104	R1	CY8CTMA443-44LQIES2	150/-65	0	500	80	0
LQ44AAAALN	G	120407	R1	CY8CTMA443-44LQIES	150/-65	0	500	77	0
LQ44AAAALN	G	120407	R1	CY8CTMA443-44LQIES	150/-65	0	1000	30	0
LQ44AAAALN	G	120407	R2	CY8CTMA443-44LQIES	150/-65	0	500	62	0
LQ44AAAALN	G	120407	R2	CY8CTMA443-44LQIES	150/-65	0	1000	30	0
LQ44AAAALN	G	120407	R2A	CY8CTMA443-44LQIES	150/-65	0	500	15	0
LQ44AAAALN	G	120407	R2A	CY8CTMA443-44LQIES	150/-65	0	1000	15	0
LQ44AAAALN	G	120407	R2A	CY8CTMA443-44LQIES	150/-65	0	500	15	0
LQ44AAAALN	G	120407	R3	CY8CTMA443-44LQIES	150/-65	0	500	77	0
LQ44AAAALN	G	120407	R3	CY8CTMA443-44LQIES	150/-65	0	1000	30	0



LT32BAAAGL	CA	MR113021	R1	CY8C21434-24LTXIT	150/-65	0	500	30	0
LQ32DAGLL	CA	MR113038	R1	CY8C20446A-24LQXIT	150/-65	0	1000	29	0
LQ48AAAAAL	RA	MR113059	R1	CG7415AF	150/-65	0	500	30	0
LQ32CCAAL	CA	MR114013	R1	CP6745DMT	150/-65	0	500	30	0
LQ32CCAAL	CA	MR114013	R1	CP6745DMT	150/-65	0	1000	30	0
LQ48AAAAAL	RA	MR114016	R1	CY8CTMA340-48LQI-09	150/-65	0	500	30	0
LQ48AAAAAL	RA	MR114016	R1	CY8CTMA340-48LQI-09	150/-65	0	1000	30	0
LQ48AQAAAL	G	MR114025	R1	CY8CTMA340-48LQI-01T	150/-65	0	500	30	0
LQ48AQAAAL	G	MR114025	R1	CY8CTMA340-48LQI-01T	150/-65	0	1000	30	0
LQ56ABAAAL	MB	NR113001	R1	CY8C24794-24LQXIT	150/-65	0	500	30	0
LQ56ABAAAL	MB	NR113001	R1	CY8C24794-24LQXIT	150/-65	0	1000	30	0
LQ56ABAAAL	MB	NR113001	R2	CY8C24794-24LQXIT	150/-65	0	500	30	0
LQ56ABAAAL	MB	NR113001	R2	CY8C24794-24LQXIT	150/-65	0	1000	30	0
LQ56ABAAAL	MB	NR113001	R3	CY8C24794-24LQXIT	150/-65	0	500	30	0
LQ56ABAAAL	MB	NR113001	R3	CY8C24794-24LQXIT	150/-65	0	1000	30	0
LQ56AAAAAL	RA	NR114002	R1	CY8C24794-24LQXIT	150/-65	0	500	25	0
LQ56AAAAAL	RA	NR114002	R1	CY8C24794-24LQXIT	150/-65	0	1000	25	0
LQ56AAAAAL	RA	NR114002	R2	CY8C24794-24LQXIT	150/-65	0	500	25	0
LQ56AAAAAL	RA	NR114002	R2	CY8C24794-24LQXIT	150/-65	0	1000	25	0
LT48AQAAAL	G	112107	R1	CY8CLED16-48LTXI	150/-65	0	1000	80	0
LQ48AQAAAL	G	114403	R1	CY8CTMA300E-48LQXI	150/-65	0	1500	198	0
LQ48AQAAAL	G	114403	R1	CY8CTMA300E-48LQXI	150/-65	0	2000	198	0
LQ48AQAAAL	G	114403	R3	CY8CTMA300E-48LQXI	150/-65	0	1500	200	0
LQ48AQAAAL	G	114403	R3	CY8CTMA300E-48LQXI	150/-65	0	2000	200	0
LQ44AAAAALN	G	120104	R1	CY8CTMA443-44LQIES2	150/-65	0	1000	80	0
LT32BAABGL	RA	120204	R1	CG7032AA	150/-65	0	1500	97	0



LT32BAABGL	RA	120204	R1	CG7032AA	150/-65	0	2000	97	0
LT32BABCGL	RA	120204	R2	CS7224AA	150/-65	0	1500	97	0
LT32BABCGL	RA	120204	R2	CS7224AA	150/-65	0	2000	97	0
LT32BABCGL	RA	120204	R3	CS7224AA	150/-65	0	1500	97	0
LT32BABCGL	RA	120204	R3	CS7224AA	150/-65	0	2000	97	0
LQ48AAAAAL	RA	120205	R1	CY8CTMA300E-48LQXI	150/-65	0	1500	94	0
LQ48AAAAAL	RA	120205	R1	CY8CTMA300E-48LQXI	150/-65	0	2000	94	0
LQ48AAAAAL	RA	120205	R2	CY8CTMA300E-48LQXI	150/-65	0	1500	94	0
LQ48AAAAAL	RA	120205	R2	CY8CTMA300E-48LQXI	150/-65	0	2000	94	0
LQ48AAAAAL	RA	120205	R3	CY8CTMA300E-48LQXI	150/-65	0	1500	92	0
LQ48AAAAAL	RA	120205	R3	CY8CTMA300E-48LQXI	150/-65	0	2000	92	0
LT68ADAAGL	RA	120206	R1	CY8C3865LTI-014	150/-65	0	1000	99	0
LT68ADAAGL	RA	120206	R1	CY8C3865LTI-014	150/-65	0	1500	84	0
LT68ADAAGL	RA	120206	R2	CY8C3865LTI-014	150/-65	0	1000	99	0
LT68ADAAGL	RA	120206	R2	CY8C3865LTI-014	150/-65	0	1500	99	0
LT68ADAAGL	RA	120206	R3	CY8C3865LTI-014	150/-65	0	1000	99	0
LT68ADAAGL	RA	120206	R3	CY8C3865LTI-014	150/-65	0	1500	99	0
LQ32EPDAGL	RA	120207	R1	CY8CTMG200-32LQXI	150/-65	0	1500	88	0
LQ32EPDAGL	RA	120207	R1	CY8CTMG200-32LQXI	150/-65	0	2000	83	0
LQ32EPDAGL	RA	120207	R2	CY8CTMG200-32LQXI	150/-65	0	1500	88	0
LQ32EPDAGL	RA	120207	R2	CY8CTMG200-32LQXI	150/-65	0	2000	88	0
LQ32EPDAGL	RA	120207	R3	CY8CTMG200-32LQXI	150/-65	0	1500	89	0
LQ32EPDAGL	RA	120207	R3	CY8CTMG200-32LQXI	150/-65	0	2000	89	0
LQ48AEAAAL	RA	121105	R1	CY8CTMA443-48LQI	150/-65	0	500	80	0
LQ48AEAAAL	RA	121105	R1	CY8CTMA443-48LQI	150/-65	0	1000	80	0
LQ48AEAAAL	RA	121105	R2	CY8CTMA443-48LQI	150/-65	0	500	80	0



LQ48AEAAAL	RA	121105	R2	CY8CTMA443-48LQI	150/-65	0	1000	80	0
LQ48AEAAAL	RA	121105	R3	CY8CTMA443-48LQI	150/-65	0	500	80	0
LT32BAAAGL	CA	MR113021	R1	CY8C21434-24LTXIT	150/-65	0	1000	30	0
LT56BDAAGL	AE	MR113050	R1	CG7158DMT	150/-65	0	1000	28	0
LT56BDAAGL	AE	MR114012	R1	CG7243AMT	150/-65	0	500	29	0
LT56BDAAGL	AE	MR114012	R1	CG7243AMT	150/-65	0	1000	29	0
LT48ABBAAL	MB	MR114014	R1	CP7408AT	150/-65	0	1000	30	0
LT48AQAAAL	G	MR114071	R1	CY8C20636A-24LTXI	150/-65	0	500	30	0
LT32BBAAAL	G	MR121014	R1	CY8C21434-24LTXIT	150/-65	0	1000	30	0
LT32BBAAAL	G	MR121014	R1	CY8C21434-24LTXIT	150/-65	0	500	30	0
LT32BAABGL	RA	MR121015	R1	CY8C21434-24LTXI	150/-65	0	500	30	0
LT32BAABGL	RA	MR121015	R1	CY8C21434-24LTXI	150/-65	0	1000	30	0
LT56BDAAGL	AE	MR121038	R1	CG7243AMT	150/-65	0	500	30	0
LT32BAABGL	RA	MR122002	R1	CY8C21434-24LTXIT	150/-65	0	500	30	0
LT56BCAAGL	AE	MR122026	R1	CY7C65631-56LTXCT	150/-65	0	500	30	0
LQ56AAAAAL	RA	NR114002	R3	CY8C24794-24LQXIT	150/-65	0	500	25	0
LQ56AAAAAL	RA	NR114002	R3	CY8C24794-24LQXIT	150/-65	0	1000	25	0
LT40ACAAGL	AE	RR122001	R1	CYRF6936-40LTXC	150/-65	0	50	100	0
LT56BCAAGL	AE	RR122001	R2	CY7C65640A-LTXC	150/-65	0	50	100	0
LT56BCAAGL	AE	RR122001	R4	CY7C65630-56LTXC	150/-65	0	50	100	0
LT56BCAAGL	AE	RR122001	R5	CY7C65630-56LTXC	150/-65	0	50	100	0
LT56BCAAGL	AE	RR122001	R6	CY7C65630-56LTXC	150/-65	0	50	100	0
LT56BCAAGL	AE	RR122001	R7	CY7C65630-56LTXC	150/-65	0	50	100	0
LT56BCAAGL	AE	RR122001	R8	CS7275AAT	150/-65	0	50	100	0
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	CY8C3866LTI-030	150/-65	0	2000	103	0
LT68YAAAAL	G	114906	R2	CY8C3866LTI-030	150/-65	0	1500	108	0
LQ48AEAAAL	RA	121105	R3	CY8CTMA443-48LQI	150/-65	0	1000	80	0
LQ48AEAAAL	RA	121202	R5	CY8CTMA443-48LQIES3	150/-65	0	1000	80	0
LQ48AEAAAL	RA	121202	R5	CY8CTMA443-48LQIES3	150/-65	0	500	80	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
LQ56BAAAAAL	RA	123801	R1	CY8CTMA463-56LQIES2	150/-65	0	1000	77	0
LQ56BAAAAAL	RA	123801	R1	CY8CTMA463-56LQIES2	150/-65	0	500	77	0
LQ56BAAAAAL	RA	123801	R2	CY8CTMA463-56LQIES2	150/-65	0	1000	77	0
LQ56BAAAAAL	RA	123801	R2	CY8CTMA463-56LQIES2	150/-65	0	500	77	0
LQ56BAAAAAL	RA	123801	R3	CY8CTMA463-56LQIES2	150/-65	0	1000	77	0
LQ56BAAAAAL	RA	123801	R3	CY8CTMA463-56LQIES2	150/-65	0	500	77	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
LQ32QAAALC	G	MR123086	R1	CY8CTST242-LQI-01T	150/-65	0	500	85	0
LQ32QAAALC	G	MR123086	R2	CY8CTST242-LQI-01T	150/-65	0	500	85	0
LQ32QAAALC	G	MR123086	R3	CY8CTST242-LQI-01T	150/-65	0	500	85	0
LQ32QAAALC	G	MR123086	R4	CY8CTST242-LQI-01T	150/-65	0	500	85	0
LT48CQAAAL	G	NR122001	R1	CYWUSB6934-48LTXC	150/-65	0	500	90	0



LT48CQAAAL	G	NR122001	R2	CYWUSB6934-48LTXC	150/-65	0	500	90	0
LT48CQAAAL	G	NR122001	R3	CYWUSB6934-48LTXC	150/-65	0	500	90	0
LQ48AEAAAL	RA	NR122003	R1	CY8CTMA463-48LQI	150/-65	0	1000	25	0
LQ48AEAAAL	RA	NR122003	R1	CY8CTMA463-48LQI	150/-65	0	500	25	0
LQ48AEAAAL	RA	NR122003	R2	CY8CTMA463-48LQI	150/-65	0	1000	25	0
LQ48AEAAAL	RA	NR122003	R2	CY8CTMA463-48LQI	150/-65	0	500	25	0
LQ48AEAAAL	RA	NR122003	R3	CY8CTMA463-48LQI	150/-65	0	1000	25	0
LQ48AEAAAL	RA	NR122003	R3	CY8CTMA463-48LQI	150/-65	0	500	25	0
LQ48ADAAAL	G	NR122005	R1	CY8CTMA463-48LQI	150/-65	0	1000	23	0
LQ48ADAAAL	G	NR122005	R1	CY8CTMA463-48LQI	150/-65	0	500	23	0
LQ48ADAAAL	G	NR122005	R2	CY8CTMA463-48LQI	150/-65	0	1000	25	0
LQ48ADAAAL	G	NR122005	R2	CY8CTMA463-48LQI	150/-65	0	500	25	0
LQ48ADAAAL	G	NR122005	R3	CY8CTMA463-48LQI	150/-65	0	1000	24	0
LQ48ADAAAL	G	NR122005	R3	CY8CTMA463-48LQI	150/-65	0	500	24	0

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

213 records

Sum

17031 0

QSOP (Pb-Free)

SQ2414ACGN	JT	NR113002	R1	CY7C63823-QXC	150/-65	0	1000	25	0
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

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

Sum 383 0

SNC (Pb-Free)

SY2831BCLN	JT	MR114017	R1	CY62256NLL-70SNXC	150/-65	0	500	30	0
SY2831BCLN	JT	MR114017	R1	CY62256NLL-70SNXC	150/-65	0	1000	30	0
SY2831BCLN	JT	AR1139019	R1	CG6715AMT	150/-65	0	500	20	0
SY2831BCLN	JT	AR1139019	R1	CG6715AMT	150/-65	0	1000	20	0

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

Sum 100 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 4 records

Sum 60 0

SOIC (Pb Free)



SZ323AEGAS	M	AR1111024	R1	CY14B256LA-SZ45XIT	150/-65	0	1000	18	0
SZ0815TAGN	T	AR1118024	R1	CY25402SXC-007T	150/-65	0	1000	19	0
SZ28327BGL	R	MR104070	R1	CY8C21345-24SXI	150/-65	0	1000	30	0
SZ815DAGN	M	AR1121026	R1	CY2907FX8T	150/-65	0	500	20	0
SZ815DAGN	M	AR1121026	R1	CY2907FX8T	150/-65	0	1000	20	0
SZ323ABAGS	M	MR101047	R1	CY14B101L-SZ45XC	150/-65	0	1000	26	0
SZ24315EGN	RA	MR112032	R1	CY7C63743C-SXC	150/-65	0	1000	29	0
SZ324513N	R	MR112035	R1	CY62128BNLL-70SXET	150/-65	0	1000	29	0
SZ815PAEGN	RA	MR114001	R1	CY2305SXI-1H	150/-65	0	500	30	0
SZ815PAEGN	RA	MR114001	R1	CY2305SXI-1H	150/-65	0	1000	30	0
SZ324513AN	JT	115206	R1	CY62128BNLL-70SXE	150/-65	0	500	80	0
SZ324513AN	JT	115206	R1	CY62128BNLL-70SXE	150/-65	0	1000	80	0
SZ324513AN	JT	115206	R2	CY62128BNLL-70SXE	150/-65	0	500	80	0
SZ324513AN	JT	115206	R2	CY62128BNLL-70SXE	150/-65	0	1000	80	0
SZ324513AN	JT	115206	R3	CY62128BNLL-70SXE	150/-65	0	500	80	0
SZ324513AN	JT	115206	R3	CY62128BNLL-70SXE	150/-65	0	1000	80	0
SZ324513AN	JT	120110	R1	CY62128BNLL-70SXE	150/-65	0	500	80	0
SZ324513AN	JT	120110	R2	CY62128BNLL-70SXE	150/-65	0	500	80	0
SZ324513AN	JT	120110	R3	CY62128BNLL-70SXE	150/-65	0	500	80	0
SZ24315EGN	RA	AR1119008	R1	CY7C63743C-SXC	150/-65	0	500	17	0
SZ24315EGN	RA	AR1119008	R1	CY7C63743C-SXC	150/-65	0	1000	17	0
SZ1615FAL	T	MR112065	R1	CY7C63803-SXC	150/-65	0	500	30	0
SZ1615FAL	T	MR112065	R1	CY7C63803-SXC	150/-65	0	1000	30	0
SZ28327BGL	R	MR112066	R1	CY8C27443-24SXI	150/-65	0	500	30	0
SZ28327BGL	R	MR112066	R1	CY8C27443-24SXI	150/-65	0	1000	30	0
SZ324513BN	R	MR113002	R1	CY62128BNLL-55SXI	150/-65	0	1000	30	0



SZ1615KDG	RA	MR113009	R1	CY2292FXC	150/-65	0	500	30	0
SZ1615KDG	RA	MR113009	R1	CY2292FXC	150/-65	0	1000	29	0
SZ28327BGL	R	MR113017	R1	CY8C21345-24SXI	150/-65	0	500	30	0
SZ28327BGL	R	MR113017	R1	CY8C21345-24SXI	150/-65	0	1000	30	0
SZ323AEGAS	M	MR113035	R1	CY14B101LA-SZ25XIT	150/-65	0	500	30	0
SZ1615FAL	T	MR113045	R1	CY23EP09SXC-1HT	150/-65	0	500	30	0
SZ1615FAL	T	MR113045	R1	CY23EP09SXC-1HT	150/-65	0	1000	29	0
SZ1615EGN	M	MR113071	R1	CY2309SXI-1H	150/-65	0	500	29	0
SZ1615EGN	M	MR113071	R1	CY2309SXI-1H	150/-65	0	1000	29	0
SZ32458CLN	JT	MR114002	R1	CY62128ELL-45SXIT	150/-65	0	500	30	0
SZ1615FAL	T	MR114019	R1	CY7C63801-SXC	150/-65	0	500	30	0
SZ1615FAL	T	MR114019	R1	CY7C63801-SXC	150/-65	0	1000	30	0
SZ24315EGN	RA	MR114020	R1	CY7C63743C-SXCT	150/-65	0	500	30	0
SZ815CGAAS	M	MR114037	R1	CY2305CSXA-1H	150/-65	0	500	27	0
SZ815CGAAS	M	MR114037	R1	CY2305CSXA-1H	150/-65	0	1000	27	0
SZ0815TAGN	T	MR121045	R1	CY25422FSXI	150/-65	0	500	30	0
SZ1615FAL	T	121409	R1	CY8C20237-24SXI	150/-65	0	500	77	0
SZ1615FAL	T	121409	R1	CY8C20237-24SXI	150/-65	0	1000	77	0
SZ1615FAL	T	121409	R2	CY8C20237-24SXI	150/-65	0	500	77	0
SZ1615FAL	T	121409	R2	CY8C20237-24SXI	150/-65	0	1000	77	0
SZ1615FAL	T	121409	R3	CY8C20237-24SXI	150/-65	0	1000	77	0
SZ1615FAL	T	121409	R3	CY8C20237-24SXI	150/-65	0	500	77	0
SZ1615FAL	T	122206	R1	CY8C20237-24SXI	150/-65	0	500	96	0
SZ1615FAL	T	122206	R1	CY8C20237-24SXI	150/-65	0	1000	86	0
SZ1615FAL	T	122206	R2	CY8C20237-24SXI	150/-65	0	1000	86	0
SZ1615FAL	T	122206	R2	CY8C20237-24SXI	150/-65	0	500	96	0



SZ1615FAL	T	122206	R3	CY8C20237-24SXI	150/-65	0	1000	86	0		
SZ1615FAL	T	122206	R3	CY8C20237-24SXI	150/-65	0	500	96	0		
SZ32458CLN	JT	MR114002	R1	CY62128ELL-45SXIT	150/-65	0	1000	30	0		
SZ815CGAAS	M	MR121028	R1	CY2305CSXA-1HT	150/-65	0	500	26	0		
SZ815CGAAS	M	MR121028	R1	CY2305CSXA-1HT	150/-65	0	1000	26	0		
SZ0815TAGN	T	MR121045	R1	CY25422FSXI	150/-65	0	1000	30	0		
SZ0815TAGN	T	MR121045	R1	CY25422FSXI	150/-65	0	1500	30	0		
SZ1615DGN	M	MR121048	R1	CY8C21234-24SXI	150/-65	0	500	30	0		
SZ324513AN	JT	MR121058	R1	CY62128BNLL-70SXA	150/-65	0	500	22	0		
SZ324513AN	JT	MR121058	R1	CY62128BNLL-70SXA	150/-65	0	1000	22	0		
SZ1615BKGN	RA	MR122001	R1	CY8C21234-24SXI	150/-65	0	500	30	0		
SZ815CGAAS	M	MR122005	R1	CY2305CSXA-1HT	150/-65	0	500	30	0		
SZ815CGAAS	M	MR122005	R1	CY2305CSXA-1HT	150/-65	0	1000	29	0		
SZ815PAEGN	RA	MR122018	R1	CY2305SXI-1HT	150/-65	0	1000	30	0		
SZ815PAEGN	RA	MR122018	R1	CY2305SXI-1HT	150/-65	0	500	30	0		
SZ32451DLL	JT	MR122039	R1	CY62138FV30LL-45SXI	150/-65	0	500	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		
SZ183CPEAN	RA	AR1146008	R1	CY7C63723C-SXC	150/-65	0	TCT 1000	16	13	AR1146008-1T2	Cut Wedge



SZ183CPBAN	RA	AR1147008	R1	CY7C63813-SXC	150/-65	0	TCT 1000	20	4	AR1147008-1T2	Cut Wedge
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		
SZ183CPEAN	RA	AR1149008	R1	CY7C63723C-SXC	150/-65	0	1000	20	8	AR1149008-1T2	Cut Wedge
SZ183CPBAN	RA	AR1151008	R1	CY7C63813-SXC	150/-65	0	500	20	0		
SZ183CPBAN	RA	AR1151008	R1	CY7C63813-SXC	150/-65	0	1000	20	6	AR1151008-1T2	Cut Wedge
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	AR1203008	R1	CY7C63813-SXC	150/-65	0	1000	13	12	AR1203008-1T2	Lifted 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		
SZ183CPEAN	RA	AR1206008	R1	CY7C63723C-SXC	150/-65	0	1000	17	11	AR1206008-1T2	Cut Wedge
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	AR1221009	R1	CY7C63723C-SXC	150/-65	0	1000	12	11	AR1221009-1T2	Cut Wedge
SZ183CPEAN	RA	AR1222008	R1	CY7C63723C-SXC	150/-65	0	500	20	14	AR1222008-1T1	Cut Wedge



SZ183CPEAN	RA	AR1222008	R1	CY7C63723C-SXC	150/-65	0	1000	6	5	AR1222008-1T2	Lifted Wedge
SZ183CPEAN	RA	AR1224009	R1	CY7C63723C-SXC	150/-65	0	500	20	7	AR1224009-1T1	Cut Wedge
SZ183CPEAN	RA	AR1224009	R1	CY7C63723C-SXC	150/-65	0	1000	13	11	AR1224009-1T2	Cut Wedge
SZ183CPEAN	RA	AR1226008	R1	CY7C63723C-SXC	150/-65	0	500	20	5	AR1226008-1T1	Cut Wedge
SZ183CPEAN	RA	AR1226008	R1	CY7C63723C-SXC	150/-65	0	1000	15	8	AR1226008-1T2	Lifted Wedge
SZ183CPEAN	RA	AR1226009	R1	CY7C63723C-SXC	150/-65	0	500	20	8	AR1226009-1T1	Cut Wedge
SZ183CPEAN	RA	AR1226009	R1	CY7C63723C-SXC	150/-65	0	1000	12	11	AR1226009-1T2	Lifted 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
SZ183CPBAN	RA	AR1227003	R1	CY7C63813-SXC	150/-65	0	1000	12	3	AR1227003-1T2	Lifted Wedge
SZ183CPEAN	RA	AR1229003	R1	CY7C63723C-SXC	150/-65	0	500	20	6	AR1229003-1T1	Cut Wedge
SZ183CPEAN	RA	AR1229003	R1	CY7C63723C-SXC	150/-65	0	1000	13	13	AR1229003-1T2	Cut Wedge
SZ183CPEAN	RA	AR1230003	R1	CY7C63723C-SXC	150/-65	0	500	17	9	AR1230003-1T1	Cut Wedge
SZ183CPEAN	RA	AR1230003	R1	CY7C63723C-SXC	150/-65	0	1000	8	5	AR1230003-1T2	Lifted 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	
Summary for Package Family: SOIC (Pb Free)			85	records						
Sum								4611	191	
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	
Summary for Package Family: SOJ			85	records						
Sum								9175	0	
SOJ (Pb-Free)										
VZ2439ABGS	X	AR1108023	R1	CY7C128A-20VXCT	150/-65	0	1000	20	0	
VZ2847AAAR	OP	MR112051	R1	CY7C107D-10VXI	150/-65	0	1000	30	0	
VZ444ACBLN	R	MR113049	R1	CG7109AM	150/-65	0	500	30	0	
VZ444ACBLN	R	MR113049	R1	CG7109AM	150/-65	0	1000	30	0	
VZ28311KLL	R	MR113064	R1	CY7C1399BN-15VXAT	150/-65	0	500	30	0	
VZ32314CLL	JT	MR114044	R1	CY7C1018DV33-10VXIT	150/-65	0	500	30	0	



VZ32420DLL	JT	MR121023	R1	CY7C1019D-10VXI	150/-65	0	500	30	0
VZ32420DLL	JT	NR113003	R1	CY7C109D-10VXI	150/-65	0	500	25	0
VZ32420DLL	JT	NR113003	R1	CY7C109D-10VXI	150/-65	0	1000	25	0
VZ32421CLL	JT	NR113003	R2	CY7C1046DV33-10VXI	150/-65	0	500	25	0
VZ32421CLL	JT	NR113003	R2	CY7C1046DV33-10VXI	150/-65	0	1000	25	0
VZ3649BBLN	JT	NR114001	R1	CY7C1049D-10VXIKJ	150/-65	0	500	25	0
VZ3649BBLN	JT	NR114001	R1	CY7C1049D-10VXIKJ	150/-65	0	1000	25	0
VZ444ADDLN	JT	NR114001	R2	CY7C1041DV33-10VXIKJ	150/-65	0	500	25	0
VZ444ADDLN	JT	NR114001	R2	CY7C1041DV33-10VXIKJ	150/-65	0	1000	25	0
VZ32314CLL	JT	MR114044	R1	CY7C1018DV33-10VXIT	150/-65	0	1000	30	0
VZ32420DLL	JT	MR121023	R1	CY7C1019D-10VXI	150/-65	0	1000	30	0
VZ28311KLL	R	MR113064	R1	CY7C1399BN-15VXAT	150/-65	0	1000	29	0
VZ32314CLL	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
VZ32314CLL	JT	MR123033	R1	CY7C1018DV33-10VXIT	150/-65	0	500	30	0
VZ32314CLL	JT	MR123033	R1	CY7C1018DV33-10VXIT	150/-65	0	1000	30	0

Summary for Package Family: SOJ (Pb-Free) 18

records

Sum

669 0

SSOP (Pb-Free)

SP483EBBAL	R	AR1108003	R1	CY8C29666-24PVXI	150/-65	0	1000	17	0
SP483EBBAL	R	AR1109003	R1	CY8C29666-24PVXIT	150/-65	0	1000	14	0
SP483EBBAL	R	AR1116003	R1	CY8C29666-24PVXI	150/-65	0	1000	17	0
SP483EBBAL	R	AR1117003	R1	CY8C29666-24PVXIT	150/-65	0	1000	17	0
SP2822BGL	M	AR1117023	R1	CP7407ATT	150/-65	0	1000	20	0



SP483EBBAL	R	AR1118003	R1	CY8C29666-24PVXIT	150/-65	0	1000	18	0
SP483EBCAL	JT	AR1126030	R1	CY8C29666-24PVXIT	150/-65	0	500	19	0
SP483EBCAL	JT	AR1126031	R1	CY8C29666-24PVXIT	150/-65	0	500	15	0
SP483EBCAL	JT	AR1126032	R1	CY8C29666-24PVXIT	150/-65	0	500	20	0
SP483EBCAL	JT	AR1126033	R1	CY8C29666-24PVXIT	150/-65	0	500	20	0
SP483EBCAL	JT	AR1126034	R1	CY8C29666-24PVXIT	150/-65	0	500	19	0
SP483EBCAL	JT	AR1126035	R1	CY8C29666-24PVXIT	150/-65	0	500	14	0
SP483EBCAL	JT	AR1126036	R1	CY8C29666-24PVXIT	150/-65	0	500	17	0
SP483EBCAL	JT	AR1127022	R1	CY8C29666-24PVXI	150/-65	0	500	20	0
SP483EBCAL	JT	AR1127023	R1	CY8C27643-24PVXI	150/-65	0	500	20	0
SP483EBCAL	JT	AR1128022	R1	CY8C27643-24PVXI	150/-65	0	500	20	0
SP483EBCAL	JT	AR1128023	R1	CY8C29666-24PVXIT	150/-65	0	500	18	0
SP483EBCAL	JT	AR1128024	R1	CY8C29666-24PVXIT	150/-65	0	500	16	0
SP483EBCAL	JT	AR1131037	R1	CY8C27643-24PVXI	150/-65	0	500	20	0
SP483EBCAL	JT	AR1132023	R1	CY8C29666-24PVXI	150/-65	0	500	20	0
SP483EBCAL	JT	AR1133020	R1	CY8C29666-24PVXIT	150/-65	0	500	18	0
SP483EBCAL	JT	AR1134049	R1	CY8C27643-24PVXI	150/-65	0	500	20	0
SP483EBCAL	JT	AR1134050	R1	CY8C27643-24PVXIT	150/-65	0	500	20	0
SP483EBCAL	JT	AR1134050	R1	CY8C27643-24PVXIT	150/-65	0	1000	20	0
SP483EBCAL	JT	AR1134051	R1	CY8C29666-24PVXI	150/-65	0	100	19	0
SP483EBCAL	JT	AR1134051	R1	CY8C29666-24PVXI	150/-65	0	300	19	0
SP483EBCAL	JT	AR1136058	R1	CY8C29666-24PVXI	150/-65	0	100	20	0
SP483EBCAL	JT	AR1136058	R1	CY8C29666-24PVXI	150/-65	0	300	20	0
SP483EBCAL	JT	AR1136059	R1	CY8C29666-24PVXIT	150/-65	0	100	19	0
SP483EBCAL	JT	AR1136059	R1	CY8C29666-24PVXIT	150/-65	0	300	19	0
SP483EBCAL	JT	AR1136060	R1	CY8C29666-24PVXI	150/-65	0	100	19	0



SP483EBCAL	JT	AR1136060	R1	CY8C29666-24PVXI	150/-65	0	300	19	0
SP483EBCAL	JT	AR1136061	R1	CY8C29666-24PVXIT	150/-65	0	100	16	0
SP483EBCAL	JT	AR1136061	R1	CY8C29666-24PVXIT	150/-65	0	300	16	0
SP483FBKGN	RA	MR112011	R1	CY8C20536A-24PVXIT	150/-65	0	1000	28	0
SP2822BGL	M	RR112001	R10	CY8C21534-12PVXET	150/-65	0	1000	20	0
SP2822BGL	M	AR1112019	R1	CP7407AT	150/-65	0	500	19	0
SP2822BGL	M	AR1121043	R1	CP7407ATT	150/-65	0	500	20	0
SP2822BGL	M	AR1121044	R1	CP7407ATT	150/-65	0	500	20	0
SP2814HAL	M	AR1126020	R1	CS6250AM	150/-65	0	500	20	0
SP2814HAL	M	AR1126020	R1	CS6250AM	150/-65	0	1000	20	0
SP483EBCAL	JT	AR1126030	R1	CY8C29666-24PVXIT	150/-65	0	1000	19	0
SP483EBCAL	JT	AR1126031	R1	CY8C29666-24PVXIT	150/-65	0	1000	13	0
SP483EBCAL	JT	AR1126032	R1	CY8C29666-24PVXIT	150/-65	0	1000	20	0
SP483EBCAL	JT	AR1126033	R1	CY8C29666-24PVXIT	150/-65	0	1000	19	0
SP483EBCAL	JT	AR1126034	R1	CY8C29666-24PVXIT	150/-65	0	1000	19	0
SP483EBCAL	JT	AR1126035	R1	CY8C29666-24PVXIT	150/-65	0	1000	13	0
SP483EBCAL	JT	AR1126036	R1	CY8C29666-24PVXIT	150/-65	0	1000	17	0
SP483EBCAL	JT	AR1127022	R1	CY8C29666-24PVXI	150/-65	0	1000	20	0
SP483EBCAL	JT	AR1127023	R1	CY8C27643-24PVXI	150/-65	0	1000	20	0
SP483EBCAL	JT	AR1128022	R1	CY8C27643-24PVXI	150/-65	0	1000	20	0
SP483EBCAL	JT	AR1128023	R1	CY8C29666-24PVXIT	150/-65	0	1000	18	0
SP483EBCAL	JT	AR1128024	R1	CY8C29666-24PVXIT	150/-65	0	1000	16	0
SP483EBCAL	JT	AR1131037	R1	CY8C27643-24PVXI	150/-65	0	1000	20	0
SP483EBCAL	JT	AR1132023	R1	CY8C29666-24PVXI	150/-65	0	1000	20	0
SP483EBCAL	JT	AR1133020	R1	CY8C29666-24PVXIT	150/-65	0	1000	18	0
SP483EBCAL	JT	AR1134047	R1	CY8C27643-24PVXIT	150/-65	0	500	20	0



SP483EBCAL	JT	AR1134047	R1	CY8C27643-24PVXIT	150/-65	0	1000	20	0
SP483EBCAL	JT	AR1134049	R1	CY8C27643-24PVXI	150/-65	0	1000	20	0
SP483EBCAL	JT	AR1134051	R1	CY8C29666-24PVXI	150/-65	0	500	19	0
SP483EBCAL	JT	AR1134051	R1	CY8C29666-24PVXI	150/-65	0	1000	19	0
SP483EBCAL	JT	AR1134053	R1	CY8C27643-24PVXIT	150/-65	0	500	20	0
SP483EBCAL	JT	AR1134053	R1	CY8C27643-24PVXIT	150/-65	0	1000	20	0
SP483EBCAL	JT	AR1134054	R1	CY8C27643-24PVXI	150/-65	0	500	20	0
SP483EBCAL	JT	AR1134054	R1	CY8C27643-24PVXI	150/-65	0	1000	20	0
SP483EBCAL	JT	AR1134055	R1	CY8C27643-24PVXIT	150/-65	0	500	20	0
SP483EBCAL	JT	AR1134055	R1	CY8C27643-24PVXIT	150/-65	0	1000	20	0
SP483EBCAL	JT	AR1135044	R1	CY8C29666-24PVXIT	150/-65	0	500	19	0
SP483EBCAL	JT	AR1135044	R1	CY8C29666-24PVXIT	150/-65	0	1000	19	0
SP483EBCAL	JT	AR1135046	R1	CY8C29666-24PVXI	150/-65	0	500	15	0
SP483EBCAL	JT	AR1135046	R1	CY8C29666-24PVXI	150/-65	0	1000	15	0
SP483EBCAL	JT	AR1136058	R1	CY8C29666-24PVXI	150/-65	0	500	20	0
SP483EBCAL	JT	AR1136058	R1	CY8C29666-24PVXI	150/-65	0	1000	20	0
SP483EBCAL	JT	AR1136059	R1	CY8C29666-24PVXIT	150/-65	0	500	19	0
SP483EBCAL	JT	AR1136059	R1	CY8C29666-24PVXIT	150/-65	0	1000	19	0
SP483EBCAL	JT	AR1136060	R1	CY8C29666-24PVXI	150/-65	0	500	19	0
SP483EBCAL	JT	AR1136060	R1	CY8C29666-24PVXI	150/-65	0	1000	19	0
SP483EBCAL	JT	AR1136061	R1	CY8C29666-24PVXIT	150/-65	0	500	16	0
SP483EBCAL	JT	AR1136061	R1	CY8C29666-24PVXIT	150/-65	0	1000	16	0
SP483EBCAL	JT	AR1137024	R1	CY8C29666-24PVXIT	150/-65	0	100	20	0
SP483EBCAL	JT	AR1137024	R1	CY8C29666-24PVXIT	150/-65	0	300	20	0
SP483EBCAL	JT	AR1137024	R1	CY8C29666-24PVXIT	150/-65	0	500	20	0
SP483EBCAL	JT	AR1137024	R1	CY8C29666-24PVXIT	150/-65	0	1000	20	0



SP483EBCAL	JT	AR1137025	R1	CY8C29666-24PVXI	150/-65	0	100	18	0
SP483EBCAL	JT	AR1137025	R1	CY8C29666-24PVXI	150/-65	0	300	18	0
SP483EBCAL	JT	AR1137025	R1	CY8C29666-24PVXI	150/-65	0	500	18	0
SP483EBCAL	JT	AR1137025	R1	CY8C29666-24PVXI	150/-65	0	1000	18	0
SP483EBCAL	JT	AR1137026	R1	CY8C29666-24PVXI	150/-65	0	100	20	0
SP483EBCAL	JT	AR1137026	R1	CY8C29666-24PVXI	150/-65	0	300	20	0
SP483EBCAL	JT	AR1137026	R1	CY8C29666-24PVXI	150/-65	0	500	20	0
SP483EBCAL	JT	AR1137026	R1	CY8C29666-24PVXI	150/-65	0	1000	20	0
SP2822BGL	M	MR111057	R1	CY8C21534-24PVXAT	150/-65	0	1000	29	0
SP28214GL	T	MR113052	R1	CY8C21534-24PVXI	150/-65	0	500	30	0
SP28214GL	T	MR113052	R1	CY8C21534-24PVXI	150/-65	0	1000	30	0
SP2822BGL	M	AR1112019	R1	CP7407AT	150/-65	0	1000	19	0
SP2822BGL	M	AR1121043	R1	CP7407ATT	150/-65	0	1000	20	0
SP2822BGL	M	AR1121044	R1	CP7407ATT	150/-65	0	1000	20	0
SP2822BGL	M	AR1126021	R1	CY8C21534-12PVXET	150/-65	0	500	20	0
SP2822BGL	M	AR1126021	R1	CY8C21534-12PVXET	150/-65	0	1000	20	0
SP2822BGL	M	MR112009	R1	CY8C21534-24PVXAT	150/-65	0	1000	29	0
SP282ABBGN	RA	MR112024	R1	CY8C24533-24PVXI	150/-65	0	1000	30	0
SP483JBALL	R	MR112029	R1	CY14B101LA-SP25XI	150/-65	0	1000	30	0
SP483ACGAN	R	MR113013	R1	CY8C20536A-24PVXIT	150/-65	0	1000	29	0
SP483ACGAN	R	MR113013	R1	CY8C20536A-24PVXIT	150/-65	0	500	29	0
SP282ABBGN	RA	MR113014	R1	CY8C21534-24PVXI	150/-65	0	500	30	0
SP282ABBGN	RA	MR113014	R1	CY8C21534-24PVXI	150/-65	0	1000	30	0
SP2822BGL	M	MR113037	R1	CY8C21534-24PVXA	150/-65	0	500	30	0
SP2822BGL	M	MR113037	R1	CY8C21534-24PVXA	150/-65	0	1000	30	0
SP2822BGL	M	MR114003	R1	CP7407ATT	150/-65	0	500	30	0



SP2822BGL	M	MR114003	R1	CP7407ATT	150/-65	0	1000	30	0
SP282ABBGN	RA	MR114023	R1	CY8C24533-24PVXI	150/-65	0	500	30	0
SP282ABBGN	RA	MR114023	R1	CY8C24533-24PVXI	150/-65	0	1000	30	0
SP483EBCAL	JT	NR113007	R1	CY8C27643-24PVXI	150/-65	0	500	25	0
SP483EBCAL	JT	NR113007	R1	CY8C27643-24PVXI	150/-65	0	1000	25	0
SP563DBCGN	JT	NR113007	R2	CY7C68013A-56PVXC	150/-65	0	1000	23	0
SP563DBCGN	JT	NR113007	R3	CY7C68013A-56PVXC	150/-65	0	500	25	0
SP563DBCGN	JT	NR113007	R3	CY7C68013A-56PVXC	150/-65	0	1000	25	0
SP483MBBGN	RA	114601	R7	CY8C29666-24PVXIT	150/-65	0	1000	77	0
SP483MBBGN	RA	114601	R8	CY8C29666-24PVXIT	150/-65	0	1000	77	0
SP483MBBGN	RA	MR114067	R1	CY8C3246PVI-147	150/-65	0	500	30	0
SP483EBCAL	JT	MR114073	R1	CY8C29666-24PVXIT	150/-65	0	500	30	0
SP483EBCAL	JT	MR114073	R1	CY8C29666-24PVXIT	150/-65	0	1000	30	0
SP28213GL	T	MR114080	R1	CY8C29466-24PVXI	150/-65	0	500	30	0
SP28213GL	T	MR114080	R1	CY8C29466-24PVXI	150/-65	0	1000	30	0
SP563DBCGN	JT	MR121016	R1	CY7C68013A-56PVXC	150/-65	0	500	30	0
SP2822BGL	M	MR121029	R1	CY8C21534-24PVXAT	150/-65	0	500	22	0
SP2822BGL	M	MR121029	R1	CY8C21534-24PVXAT	150/-65	0	500	8	0
SP2822BGL	M	MR121029	R1	CY8C21534-24PVXAT	150/-65	0	1000	29	0
SP282ABBGN	RA	MR121043	R1	CY8C27443-24PVXIT	150/-65	0	500	30	0
SP282ABBGN	RA	MR121043	R1	CY8C27443-24PVXIT	150/-65	0	1000	30	0
SP2824HAN	T	MR121052	R1	CY8C24533-24PVXI	150/-65	0	500	30	0
SP2824HAN	T	MR121052	R1	CY8C24533-24PVXI	150/-65	0	1000	27	0
SP2824HAN	T	MR121052	R1	CY8C24533-24PVXI	150/-65	0	1000	2	0
SP2024CAGL	M	MR121062	R1	CY8C21334-24PVXAT	150/-65	0	500	29	0
SP2024CAGL	M	MR121062	R1	CY8C21334-24PVXAT	150/-65	0	1000	28	0



SP282ABBGN	RA	MR122004	R1	CY8C27443-24PVXIT	150/-65	0	500	30	0
SP282ABBGN	RA	MR122004	R1	CY8C27443-24PVXIT	150/-65	0	1000	30	0
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
SP563DBCGN	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

Summary for Package Family: SSOP (Pb-Free) 195 records

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TQFP (Pb-Free)

AZ32BXGAN	Q	MR112077	R1	CY7C4201V-15AXC	150/-65	0	1000	28	0
AZ44DGAGL	Q	MR112058	R1	CY7B995AXIT	150/-65	0	500	28	0
AZ44DGAGL	Q	MR112058	R1	CY7B995AXIT	150/-65	0	1000	28	0
AZ32GXGAN	G	MR113046	R1	CY29940AXIT	150/-65	0	500	30	0
AZ100SFGAL	JT	RR114011	R1	CS7510AM	150/-65	0	500	78	0
AZ100SFKAL	RA	112302	R2	CY8C5568AXI-060	150/-65	0	1000	75	0
AZ100SFKAL	R	112302	R3	CY8C5568AXI-060	150/-65	0	1000	48	0
AZ100SFKAL	RA	112302	R4	CY8C5568AXI-060	150/-65	0	1000	48	0
AZ64JAAALL	M	113604	R1	CY7C144E-55JXC	150/-65	0	1000	80	0
AZ64JAAALL	M	113604	R4	CY7C144E-55JXC	150/-65	0	1000	79	0
AZ100SFHAL	JT	114110	R1B	CY8C5568AXI-060	150/-65	0	500	80	0
AZ32GXGAN	G	MR112054	R1	CY29940AXCT	150/-65	0	500	30	0
AZ32GXGAN	G	MR112054	R1	CY29940AXCT	150/-65	0	1000	30	0
AZ100RUBLN	R	MR113022	R1	CY7C1350G-200AXC	150/-65	0	500	30	0
AZ100RUBLN	R	MR113022	R1	CY7C1350G-200AXC	150/-65	0	1000	30	0
AZ32GXGAN	G	MR113046	R1	CY29940AXIT	150/-65	0	1000	30	0
AZ52AAGAL	Q	MR113051	R1	CY29972AXI	150/-65	0	500	30	0



AZ32GXGAN	G	MR114034	R1	CY29942AXCT	150/-65	0	500	30	0
AZ100RBCLN	JT	MR114041	R1	CY7C1370D-167AXI	150/-65	0	500	30	0
AZ100RBCLN	JT	MR114041	R1	CY7C1370D-167AXI	150/-65	0	1000	30	0
AZ100RJBLN	RA	MR114059	R1	CY7C68014A-100AXC	150/-65	0	1000	27	0
AZ144AAAGR	Q	MR114081	R1	CY7C057V-15AXI	150/-65	0	500	29	0
AZ100RYCLN	JT	MR121021	R1	CY7C1360C-166AXI	150/-65	0	500	30	0
AZ100KGAN	G	MR121040	R1	CY7C024AV-25AXCT	150/-65	0	500	30	0
AZ100RJBLN	R	MR121042	R1	CY7C1350G-200AXCT	150/-65	0	500	30	0
AZ44SFHAN	JT	NR113005	R1	CY37032VP44-100AXCKJ	150/-65	0	500	25	0
AZ44SFHAN	JT	NR113005	R1	CY37032VP44-100AXCKJ	150/-65	0	1000	25	0
AZ64IBABLN	JT	NR113005	R2	CY7C4265-10AXIKJ	150/-65	0	500	25	0
AZ64IBABLN	JT	NR113005	R2	CY7C4265-10AXIKJ	150/-65	0	1000	25	0
AZ100RUCLN	JT	NR113006	R1	CY7C68013A-100AXCKJ	150/-65	0	500	25	0
AZ100RUCLN	JT	NR113006	R2	CY7C68013A-100AXIKJ	150/-65	0	500	25	0
AZ100RUCLN	JT	NR113006	R2	CY7C68013A-100AXIKJ	150/-65	0	1000	25	0
AZ100RUCLN	JT	NR113006	R1	CY7C68013A-100AXCKJ	150/-65	0	1000	25	0
AZ100SFEAL	JT	NR113006	R3	CY7C026AV-25AXIKJ	150/-65	0	500	25	0
AZ100SFEAL	JT	NR113006	R3	CY7C026AV-25AXIKJ	150/-65	0	1000	25	0
AZ100SFGAL	JT	RR114011	R1	CS7510AM	150/-65	0	1000	78	0
AZ100SFDAL	R	101101	R4	CY8C3866AXI-040ES3	150/-65	0	1000	79	0
AZ100SFDAL	R	101101	R5	CY8C3866AXI-040ES3	150/-65	0	1000	77	0
AZ100RUBLN	R	MR113022	R1	CY7C1350G-200AXC	150/-65	0	1500	30	0
AZ144AAAGR	Q	MR114081	R1	CY7C057V-15AXI	150/-65	0	1000	29	0
AZ100RYCLN	JT	MR121021	R1	CY7C1360C-166AXI	150/-65	0	1000	30	0
AZ100RVLN	JT	MR121033	R1	CY7C68320C-100AXA	150/-65	0	500	30	0
AZ100RVLN	JT	MR121033	R1	CY7C68320C-100AXA	150/-65	0	1000	29	0



AZ100KGAN	G	MR121040	R1	CY7C024AV-25AXCT	150/-65	0	1000	30	0
AZ100RJBLN	R	MR121042	R1	CY7C1350G-200AXCT	150/-65	0	1000	30	0
AZ100RVLN	JT	MR122007	R1	CY7C68320C-100AXA	150/-65	0	500	30	0
AZ100RVLN	JT	MR122007	R1	CY7C68320C-100AXA	150/-65	0	1000	28	0
AZ44SFBHLN	JT	MR122008	R1	CY7C53120E4-40AXI	150/-65	0	500	30	0
AZ44SFBHLN	JT	MR122008	R1	CY7C53120E4-40AXI	150/-65	0	1000	30	0
AZ32BXGAN	Q	MR122024	R1	CY7C4201V-15AXC	150/-65	0	500	30	0
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

Summary for Package Family: TQFP (Pb-Free)

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2329 0

TSOP (Pb-free)

ZT32RABALL	T	MR113036	R1	CY62128EV30LL-45ZXI	150/-65	0	500	30	0
ZT32RABALL	T	MR113036	R1	CY62128EV30LL-45ZXI	150/-65	0	1000	30	0
ZT28R2BCLN	JT	MR114004	R1	CY62256VNLL-70ZXI	150/-65	0	500	30	0
ZT28R2BCLN	JT	MR114004	R1	CY62256VNLL-70ZXI	150/-65	0	1000	30	0
ZT32RBBALL	T	MR114065	R1	CY62128ELL-45ZXA	150/-65	0	500	30	0



ZT32RBBALL	T	MR121034	R1	CY62128ELL-45ZXA	150/-65	0	500	30	0
ZT28R4BAGL	JT	NR113004	R2	CY7C1399BN-12ZXC	150/-65	0	500	25	0
ZT28R2BCLN	JT	NR113004	R3	CY62256VNLL-70ZXC	150/-65	0	500	25	0
ZT28R2BCLN	JT	NR113004	R3	CY62256VNLL-70ZXC	150/-65	0	1000	25	0
ZT28R4BAGL	JT	NR113004	R2	CY7C1399BN-12ZXC	150/-65	0	1000	25	0
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-55ZXA	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

Summary for Package Family: TSOP (Pb-free)

10

records

Sum

530

0

TSOP I (Pb-Free)

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



ZB32RHABL	JT	MR122021	R1	CY62138FV30LL-45ZAXA	150/-65	0	1000	29	0
ZB32RHABL	JT	MR122021	R1	CY62138FV30LL-45ZAXA	150/-65	0	500	30	0
ZB32RHABL	JT	MR123001	R1	CY62138FV30LL-45ZAXAT	150/-65	0	1000	29	0
ZB32RHABL	JT	MR123001	R1	CY62138FV30LL-45ZAXAT	150/-65	0	500	30	0

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

8 records

Sum

348 0

TSOP II (Pb-Free)

ZW54BGALL	G	MR113032	R1	CY7C1061DV33-10ZSXIT	150/-65	0	1000	30	0
ZW444VCLL	R	AR1122002	R1	CY62137FV30LL-55ZSXE	150/-65	0	500	20	0
ZW444VCLL	R	AR1122002	R1	CY62137FV30LL-55ZSXE	150/-65	0	1000	20	0
ZW444VCLL	R	AR1124002	R1	CY62137FV30LL-55ZSXE	150/-65	0	500	20	0
ZW444VCLL	R	AR1124002	R1	CY62137FV30LL-55ZSXE	150/-65	0	1000	20	0
ZW444AMLN	R	AR1126002	R1	CY62146ELL-45ZSXA	150/-65	0	500	20	0
ZW444YBLL	R	MR113006	R1	CY7C1041BN-15ZXIT	150/-65	0	500	30	0
ZW444YBLL	R	MR113006	R1	CY7C1041BN-15ZXIT	150/-65	0	1000	30	0
ZW444ALLR	G	MR113047	R1	CY7C1051DV33-10ZSXI	150/-65	0	1000	30	0
ZW444ALLR	G	MR113047	R1	CY7C1051DV33-10ZSXI	150/-65	0	500	30	0
ZW444WBCLN	R	104606	R2	CYRS1049DV33	150/-65	0	500	77	0
ZW444WBCLN	R	104606	R2	CYRS1049DV33	150/-65	0	1000	77	0
ZW444AAGLL	T	113210	R1	CY7C1011DV33-10ZSXI	150/-65	0	500	80	0
ZW444AAGLL	T	113210	R2	CY7C1041DV33-10ZSXIT	150/-65	0	500	80	0
ZW444AKDLN	JT	111409	R4	7A134101FC-JTZWE	150/-65	0	500	100	0
ZW444AKDLN	JT	111409	R4	7A134101FC-JTZWE	150/-65	0	1000	90	0
ZW324GALL	T	MR112015	R1	CY7C1019DV33-10ZSXIT	150/-65	0	1000	30	0
ZW324CBLL	T	MR113004	R1	CY62148ELL-45ZSXIT	150/-65	0	500	30	0
ZW324CBLL	T	MR113004	R1	CY62148ELL-45ZSXIT	150/-65	0	1000	30	0



ZW44AAXAGL	RA	MR113031	R1	CY7C1020DV33-10ZSXI	150/-65	0	500	30	0
ZW44AAXAGL	RA	MR113031	R1	CY7C1020DV33-10ZSXI	150/-65	0	1000	30	0
ZW444AAGLL	T	MR113043	R1	CY71041DV33-10ZSXI	150/-65	0	500	30	0
ZW444AAGLL	T	MR113043	R1	CY71041DV33-10ZSXI	150/-65	0	1000	30	0
ZW444AHLL	R	MR114007	R1	CY62126EV30LL-55ZSXE	150/-65	0	500	30	0
ZW44ABXAGL	RA	MR114027	R1	CY62137EV30LL-45ZSXI	150/-65	0	500	30	0
ZW444ALLR	G	MR114043	R1	CY7C1051DV33-10ZSXI	150/-65	0	500	30	0
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	-65	500	27	0
ZW444AHLL	R	MR114007	R1	CY62126EV30LL-55ZSXE	150/-65	0	1000	30	0
ZW44ABXAGL	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
ZW44AAXAGL	RA	MR121003	R1	CY7C1021D-10ZSXIT	150/-65	0	500	30	0
ZW44AAXAGL	RA	MR121003	R1	CY7C1021D-10ZSXIT	150/-65	0	1000	30	0
ZW44ADXAGL	RA	MR121018	R1	CY14B104NA-ZS45XIT	150/-65	0	500	30	0
ZW44ADXAGL	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	CY7C1019CV33-10ZXA	150/-65	0	500	29	0



ZW324FBGL	T	MR121026	R1	CY7C1019CV33-10ZXA	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	CY7C1019CV33-10ZXA	150/-65	0	500	29	0	
ZW324FBGL	T	MR122036	R1	CY7C1019CV33-10ZXA	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	
Summary for Package Family: TSOP II (Pb-Free)			36	records						
Sum								2039	0	
RTSOP (Pb-free)										
ZY28R2CLN	JT	MR114009	R1	CY62256VNLL-70ZRXIT	150/-65	0	500	30		
ZY28R2CLN	JT	MR114009	R1	CY62256VNLL-70ZRXIT	150/-65	0	1000	30		
Summary for Package Family: RTSOP (Pb-free)			2	records						
Sum								60	0	
TSSOP (Pb-Free)										
ZZ1614HAN	T	RR112027	R1	CY25823ZXCT	150/-65	0	100	379	0	
ZZ1614HAN	T	RR112027	R2	CY25823ZXC	150/-65	0	100	26	0	



ZZ1620GDAN	RA	MR113010	R1	CY24293ZXI	150/-65	0	1000	24	0
ZZ1620GDAN	RA	MR113010	R1	CY24293ZXI	150/-65	0	500	30	0
ZZ2014BGN	T	MR113053	R1	CY25404ZXI-003T	150/-65	0	500	30	0
ZZ2014BGN	T	MR113053	R1	CY25404ZXI-003T	150/-65	0	1000	30	0
ZZ1613HAN	T	MR113015	R1	CY2308ZXC-1H	150/-65	0	1000	29	0
ZZ1614HAN	T	MR114022	R1	CY22388ZXC-25T	150/-65	0	500	30	0
ZZ1614HAN	T	MR114022	R1	CY22388ZXC-25T	150/-65	0	1000	30	0
ZZ1620GBAN	RA	MR114026	R1	CY22388ZXC-26T	150/-65	0	500	30	0
ZZ1620GBAN	RA	MR114026	R1	CY22388ZXC-26T	150/-65	0	1000	30	0
ZZ1614HAN	T	MR121001	R1	CY25823ZXC	150/-65	0	1000	29	0
ZZ1614HAN	T	MR121001	R1	CY25823ZXC	150/-65	0	500	29	0
ZZ1620GBAN	RA	MR121002	R1	CY22388ZXC-27T	150/-65	0	500	30	0
ZZ1620GBAN	RA	MR121002	R1	CY22388ZXC-27T	150/-65	0	1000	30	0
ZZ2014BGN	T	MR122014	R1	CY25404ZXI013T	150/-65	0	1000	30	0
ZZ2014BGN	T	MR122014	R1	CY25404ZXI013T	150/-65	0	500	30	0
ZZ1620GBAGN	RA	MR122015	R1	CY2309ZC-1HT	150/-65	0	500	29	0
ZZ1620GCAN	RA	MR122019	R1	CY2309ZXC-1HT	150/-65	0	500	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



Summary for Package Family: TSSOP (Pb-Free)

32

records

Sum

1128

0

VFBGA (0.75-0.8, 0.3mm)

BV48ATALE	RA	MR113030	R1	CY62157DV30LL-55BVIT	150/-65	0	1000	27	0
BV48BNALE	G	MR113066	R1	CY62167DV30LL-70BVI	150/-65	0	500	30	0
BV48BNALE	G	MR113066	R1	CY62167DV30LL-70BVI	150/-65	0	1000	30	0
BV48DAAALE	RA	MR114010	R1	CY62137FV30LL-45BVIT	150/-65	0	500	29	0
BV48DAAALE	RA	MR114010	R1	CY62137FV30LL-45BVIT	150/-65	0	1000	29	0
BV48ATALE	RA	MR114066	R1	CY62157DV30LL-55BVIT	150/-65	0	500	30	0
BV48ATALE	RA	MR114066	R1	CY62157DV30LL-55BVIT	150/-65	0	1000	30	0
BV48CFAALE	G	MR114078	R1	CY62157EV30LL-45BVIT	150/-65	0	500	30	0
BV48CFAALE	G	MR114078	R1	CY62157EV30LL-45BVIT	150/-65	0	1000	30	0
BV48CRALE	G	MR123032	R1	CY62167EV30LL-45BVIT	150/-65	0	500	30	0

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

10

records

Sum

295

0

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

BZ100HAALL	RA	MR113008	R1	CYWB0226ABS-BVXI	150/-65	0	1000	17	0
BZ48ZEAALE	RA	MR113089	R1	CY62157EV18LL-55BVXIT	150/-65	0	1000	79	0
BZ48CRALL	G	MR113088	R1	CY62167EV30LL-45BVXI	150/-65	0	1000	80	0
BZ48CNAALL	G	MR113090	R1	CY62167DV30LL-55BVXI	150/-65	0	1000	78	0
BZ48CNAALL	G	MR113091	R1	CY62167DV30LL-55BVXI	150/-65	0	1000	80	0
BZ48CNAALL	G	MR113091	R1	CY62167DV30LL-55BVXI	150/-65	0	500	80	0
BZ84AAAAAL	RA	112210	R1	CY8CTMA1036BZI-13ES	150/-65	0	500	80	0
BZ84AAAAAL	RA	112210	R1	CY8CTMA1036BZI-13ES	150/-65	0	1000	80	0
BZ84AAAAAL	RA	112210	R2	CY8CTMA1036BZI-13ES2	150/-65	0	500	80	0



BZ84AAAAAL	RA	112210	R2	CY8CTMA1036BZI-13ES2	150/-65	0	1000	80	0
BZ84AAAAAL	RA	112210	R3	CY8CTMA1036BZI-13ES	150/-65	0	500	80	0
BZ84AAAAAL	RA	112210	R3	CY8CTMA1036BZI-13ES	150/-65	0	1000	80	0
BZ84AAAAAL	RA	112210	R4	CY8CTMA1036BZI-13ES	150/-65	0	500	80	0
BZ48CEAALL	G	MR113057	R1	CY62147EV30LL-45BVXA	150/-65	0	500	30	0
BZ100BABLL	RA	MR121008	R1	CYDMX128A16-65BVXIT	150/-65	0	500	30	0
BZ100BABLL	RA	MR121008	R1	CYDMX128A16-65BVXIT	150/-65	0	1000	30	0
BZ100HAALL	RA	120609	R3	CYWB0226ABM-BVXI	150/-65	0	1000	104	0
BZ100HAALL	RA	120609	R3	CYWB0226ABM-BVXI	150/-65	0	1500	94	0
BZ100HAALL	RA	120609	R3	CYWB0226ABM-BVXI	150/-65	0	2000	94	0
BZ48CJALL	RA	120610	R3	CY62167DV30LL-55BVXI	150/-65	0	1000	98	0
BZ48CJALL	RA	120610	R3	CY62167DV30LL-55BVXI	150/-65	0	1500	88	0
BZ48CJALL	RA	120610	R3	CY62167DV30LL-55BVXI	150/-65	0	2000	88	0
BZ48CEAALL	G	MR113057	R1	CY62147EV30LL-45BVXA	150/-65	0	1000	30	0
BZ48CEAALL	G	MR114006	R1	CY62147EV30LL-45B2XA	150/-65	0	500	30	0
BZ48CNAALL	G	MR114018	R1	CY62167DV30LL-55BVXI	150/-65	0	500	30	0
BZ48CNAALL	G	MR114075	R1	CY62167DV30LL-55BVXI	150/-65	0	500	30	0
BZ48DAGLL	RA	MR121004	R1	CY62137FV30LL-45BVXIT	150/-65	0	500	30	0
BZ48DAGLL	RA	MR121004	R1	CY62137FV30LL-45BVXIT	150/-65	0	1000	30	0
BZ48CEAALL	G	MR121025	R1	CY62147EV30LL-45BVXA	150/-65	0	500	30	0
BZ48CEAALL	G	MR121050	R1	CY62136EV30LL-45BVXI	150/-65	0	500	30	0
BZ48CEAALL	G	MR122011	R1	CY62147EV30LL-45BVXA	150/-65	0	500	30	0
BZ48CEAALL	G	MR114006	R1	CY62147EV30LL-45B2XA	150/-65	0	1000	29	0
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
BZ84ACAAAL	G	NR122002	R2	CY8CTMA1036BZI-12	150/-65	0	1000	25	0
BZ84ACAAAL	G	NR122002	R2	CY8CTMA1036BZI-12	150/-65	0	500	25	0
BZ84ACAAAL	G	NR122002	R3	CY8CTMA1036BZI-12	150/-65	0	1000	25	0
BZ84ACAAAL	G	NR122002	R3	CY8CTMA1036BZI-12	150/-65	0	500	25	0
BZ84AAAAAL	RA	NR122004	R1	CY8CTMA1036BZI-12	150/-65	0	1000	25	0
BZ84AAAAAL	RA	NR122004	R1	CY8CTMA1036BZI-12	150/-65	0	500	25	0
BZ84AAAAAL	RA	NR122004	R2	CY8CTMA1036BZI-12	150/-65	0	1000	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
BZ84AAAAAL	RA	NR122004	R3	CY8CTMA1036BZI-12	150/-65	0	500	25	0

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

42 records

2556 0



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