



2011 Q4 RELIABILITY REPORT

TABLE OF CONTENTS

1.0	OVERVIEW OF CYPRESS SEMICONDUCTOR TOTAL QUALITY MANAGEMENT SYSTEM	2
2.0	DEVICE RELIABILITY	3
2.1	EARLY FAILURE RATE SUMMARY	3
2.2	LONG TERM FAILURE RATE SUMMARY	4
2.3	DATA RETENTION SUMMARY	5
3.0	PACKAGE RELIABILITY	6
3.1	PRESSURE COOKER TEST	7
3.2	HAST (HIGHLY ACCELERATED STRESS TEST)	8
3.3	TEMPERATURE CYCLE	9
3.4	HIGH TEMPERATURE STORAGE	10
	APPENDIX A: FAILURE RATE CALCULATION	11
	APPENDIX B: TEMPERATURE CYCLING STRESS MODELS	15
	APPENDIX C: EQUIVALENCE OF STRESS TEST CONDITIONS	17
	APPENDIX D: RELIABILITY DATA	18



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

This report summarizes Cypress Semiconductor Product Reliability for the period of the 4th quarter of 2011. It includes data from devices fabricated at both internal Cypress and external subcontractor wafer fabrication and assembly facilities.

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

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

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

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

Sabbas Daniel
Executive Vice-President, Quality



2.0 PRODUCT RELIABILITY

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

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

2.1 EARLY FAILURE RATE SUMMARY

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

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

Table 1. Early Failure Rate Summary

Technology	Device Hours	# Failed	FIT Rate	PPM	Failure Mode
LL65	1,605,739	0	3.4	0	None
L28	73,440	0	Insufficient	0	None
C9	1,191,984	0	4.5	0	None
R8	289,966	0	18.6	0	None
S8	1,940,081	3	12.6	67	Fab defect-3 (See Note 2)
C8	168,293	0	32	0	None
R95	1,877,014	0	2.9	0	None
R9	420,432	0	12.8	0	None
R7	951,912	0	5.7	0	None
S4	328,994	0	16.4	0	None
R52	282,173	0	19.1	0	None
R42	258,031	0	20.9	0	None
L8	71,952	0	Insufficient	0	None
Grand Total	9,460,011	3	2.6	12	See above

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

2) CAR 201201012 - ISB , On-going Analysis



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
R42	576,425	0	9.3	0	None
R8	201,133	0	27	0	None
C8	681,541	0	7.9	0	None
LL65	364,516	0	14.8	0	None
C9	124,842	0	Insufficient	0	None
R9	421,435	0	13	0	None
R52	252,840	0	21.3	0	None
S8	1,290,000	0	4.2	0	None
S4	590,281	0	9.1	0	None
R95	520,712	0	10.3	0	None
R7	245,496	0	21.9	0	None
Grand Total	5,269,221	0	1.0	0	See above

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



2.3 DATA RETENTION SUMMARY

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

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

Table 3. Data Retention Summary

Technology	Device Hours	# Failed	FIT Rate	Failure Mode
S4	9,192,282	0	0.27	None
S8	9,868,900	0	0.23	None
Total	19,061,182	0	0.13	None

3.0 PACKAGE RELIABILITY

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

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

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

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

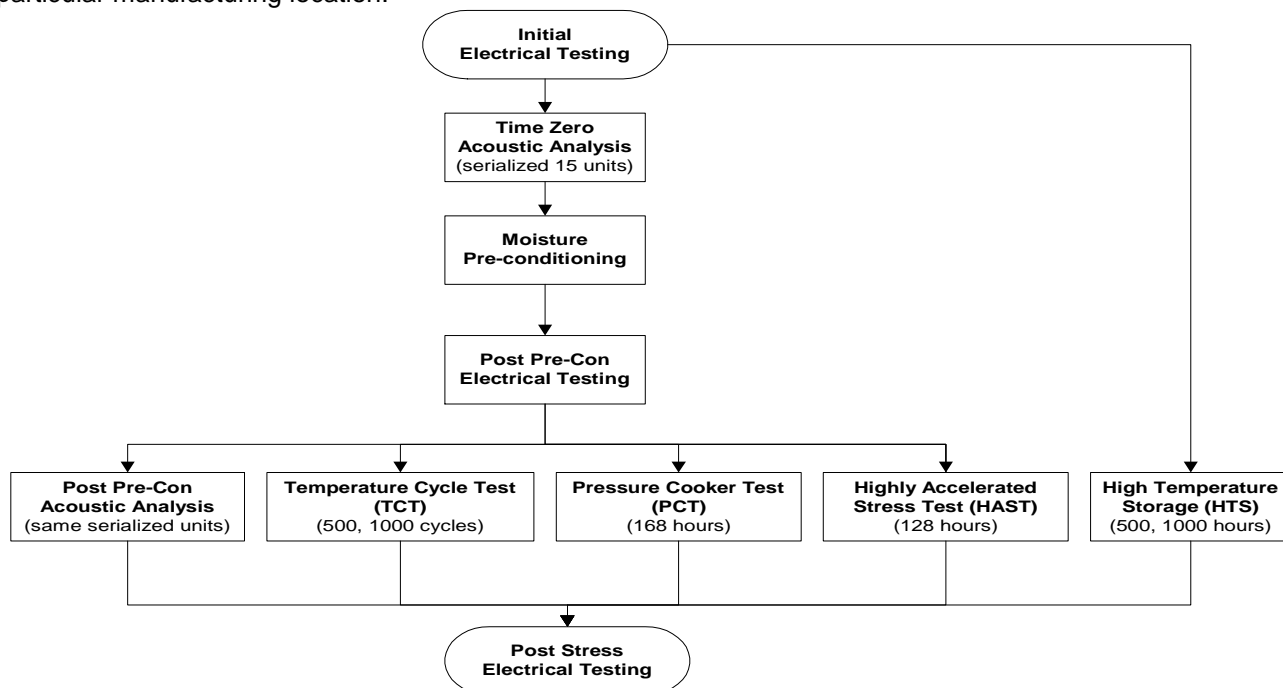


Figure 1. Cypress Package Reliability Stress Flow



3.1 PRESSURE COOKER TEST (PCT)

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

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

Table 4. Pressure Cooker Test Failure Rate Summary

Package	Sample Size	# Failed	Defects %	Failure Mode
FBGA (0.75-0.8, 0.3mm, Pb-free)	370	0	0	0
FBGA (1.0-1.27)	348	0	0	0
FBGA (1.0-1.27, Pb-free)	1072	0	0	0
FLIPCHIP CSP (Pb-Free)	484	0	0	0
PBGA (Cavity/Heat Sink)	120	0	0	0
PBGA (Cavity/Heat Sink, Pb-free)	308	0	0	0
PDIP (Pb-Free)	180	0	0	0
PLCC (Pb-Free)	277	0	0	0
PQFP (Pb-free)	393	0	0	0
QFN (COL, 0.6mm, Saw Type, Pb-free)	1030	0	0	0
QFN (Punch Type, Pb-Free)	236	0	0	0
QFN (Saw Type, Pb-Free)	4184	0	0	0
QSOP (Pb-Free)	60	0	0	0
SNC (Pb-Free)	1476	0	0	0
SOIC	60	0	0	0
SOIC (Pb Free)	3300	0	0	0
SOJ	218	0	0	0
SOJ (Pb-Free)	1951	0	0	0
SSOP (Pb-Free)	2164	0	0	0
TQFP	160	0	0	0
TQFP (Pb-Free)	2608	0	0	0
TSOP I (Pb-Free)	1544	0	0	0
TSOP II (Pb-Free)	2578	0	0	0
TSSOP (Pb-Free)	1079	0	0	0
VFBGA (0.75-0.8, 0.3mm, Pb-Free)	2352	0	0	0
Grand Total	28,552	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
FBGA (0.75-0.8, 0.3mm, Pb-free)	171	0	0	None
FBGA (1.0-1.27)	30	0	0	None
FBGA (1.0-1.27, Pb-free)	408	0	0	None
PDIP (Pb-Free)	30	0	0	None
PLCC (Pb-Free)	60	0	0	None
QFN (COL, 0.6mm, Saw Type, Pb-free)	550	0	0	None
QFN (Punch Type, Pb-Free)	30	0	0	None
QFN (Saw Type, Pb-Free)	2,076	0	0	None
QSOP (Pb-Free)	30	0	0	None
SNC (Pb-Free)	129	0	0	None
SOIC (Pb Free)	1,313	0	0	None
SOJ	106	0	0	None
SOJ (Pb-Free)	977	0	0	None
SSOP (Pb-Free)	1,187	0	0	None
TQFP	80	0	0	None
TQFP (Pb-Free)	280	0	0	None
TSOP I (Pb-Free)	656	0	0	None
TSOP II (Pb-Free)	783	0	0	None
TSSOP (Pb-Free)	30	0	0	None
VFBGA (0.75-0.8, 0.3mm, Pb-Free)	428	0	0	None
Grand Total	9,354	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
FBGA (0.75-0.8, 0.3mm, Pb-free)	1,030	0	0	None
FBGA (1.0-1.27)	618	0	0	None
FBGA (1.0-1.27, Pb-free)	3,248	0	0	None
FLIPCHIP CSP (Pb-Free)	1,419	0	0	None
PBGA (Cavity/Heat Sink, Pb-free)	462	0	0	None
PDIP (Pb-Free)	232	4	1.72%	4-Cut Wedge (See Note 1)
PGA	113	0	0	None
PLCC (Pb-Free)	1,209	11	0.91%	11-Cut Wedge (See Note 2)
PQFP (Pb-free)	880	0	0	None
QFN (COL, 0.6mm, Saw Type, Pb-free)	1,677	0	0	None
QFN (Punch Type, Pb-Free)	270	0	0	None
QFN (Saw Type, Pb-Free)	7,295	0	0	None
QSOP (Pb-Free)	60	0	0	None
SNC (Pb-Free)	1,531	0	0	None
SOIC	100	0	0	None
SOIC (Pb Free)	5,786	9	0.16%	9-Cut Wedge (See Note 3)
SOJ	220	0	0	None
SOJ (Pb-Free)	3,494	0	0	None
SSOP (Pb-Free)	6,697	0	0	None
TQFP	190	0	0	None
TQFP (Pb-Free)	4,368	0	0	None
TSOP I (Pb-free)	1,583	0	0	None
TSOP II (Pb-Free)	3,740	0	0	None
TSSOP (Pb-Free)	1,579	0	0	None
VFPGA (0.75-0.8, 0.3mm, Pb-Free)	2,899	0	0	None
Grand Total	50,700	24	0.05%	See Above

Note:

- 1) CAR 201121014 – Qualification of new assembly site.
- 2) CAR 201140020 – On-going root cause analysis
- 3) CAR 201121015 – Implementation of new mold compound



3.4 HIGH TEMPERATURE STORAGE (HTS)

A high-temperature, non-biased bake test is performed to determine the effect on devices of long-term storage at elevated temperatures without any electrical stresses applied. The devices are baked without bias at either 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
FBGA (0.75-0.8, 0.3mm, Pb-free)	451	0	0	None
FBGA (1.0-1.27)	235	0	0	None
FBGA (1.0-1.27, Pb-free)	799	0	0	None
FLIPCHIP CSP (Pb-Free)	435	0	0	None
PBGA (Cavity/Heat Sink)	120	0	0	None
PDIP (Pb-Free)	180	0	0	None
PGA	120	0	0	None
PLCC (Pb-Free)	359	0	0	None
PQFP (Pb-free)	250	0	0	None
QFN (COL, 0.6mm, Saw Type, Pb-free)	670	0	0	None
QFN (Punch Type, Pb-Free)	300	0	0	None
QFN (Saw Type, Pb-Free)	1,873	0	0	None
QSOP (Pb-Free)	60	0	0	None
SNC (Pb-Free)	511	0	0	None
SOIC	60	0	0	None
SOIC (Pb Free)	2,079	0	0	None
SOJ	220	0	0	None
SOJ (Pb-Free)	658	0	0	None
SSOP (Pb-Free)	907	0	0	None
TQFP	190	0	0	None
TQFP (Pb-Free)	838	0	0	None
TSOP I (Pb-Free)	650	0	0	None
TSOP II (Pb-Free)	559	0	0	None
TSSOP (Pb-Free)	641	0	0	None
VFBGA (0.75-0.8, 0.3mm, Pb-Free)	476	0	0	None
Grand Total	13,641	0	0.00%	None



APPENDIX A: FAILURE RATE CALCULATION

Thermal Acceleration Factors

Acceleration factors (AF) for thermal stresses (Early Failure Rate, Latent Failure Rate, Data Retention and High Temperature Storage) are calculated from the Arrhenius equation)

$$AF = \exp \left(\frac{E_a}{k} \left(\frac{1}{T_u} - \frac{1}{T_t} \right) \right)$$

where :

E_a = Activation Energy of the defect mechanism

K = Boltzmann's constant = 8.62×10^{-5} eV/Kelvin

T_t is the junction temperature of the device under stress

T_u is the junction temperature of the device at use conditions

While there is no substitute for experimentally determining the activation energy, obtaining this information is very difficult because few devices fail stress tests. In the absence of experimental data, the following literature values are used.



APPENDIX A: FAILURE RATE CALCULATION (cont.)

Temperature-Humidity Acceleration Factors

Cypress estimates acceleration factors for temperature-humidity stresses (Pressure Cooker Test and Highly Accelerated Stress Test) from a model developed by Hallberg and Peck ("Quality and Reliability Engineering International". Vol. 7, 1991).

$$AF = \left(\frac{RH_t}{RH_u} \right)^{-3} \exp \frac{E_a}{k} \left(\left(\frac{1}{T_u} - \frac{1}{T_t} \right) \right)$$

where :

- T_u = use environment junction temperature (°K)
- T_t = test environment junction temperature (°K)
- E_a = failure mechanism activation energy (0.9 for corrosion)
- k = Boltzman's Constant (8.62 x 10⁻⁵ eV/°Kelvin)
- RH_u = use environment relative humidity
- RH_t = test environment relative humidity
- AF = acceleration factor

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

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

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

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

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



APPENDIX A: FAILURE RATE CALCULATION (cont.)

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

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

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

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

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

Similarly, for 140 °C HAST testing,

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

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

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

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



APPENDIX A: FAILURE RATE CALCULATION (cont.)

Failure Rate Calculation

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

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

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

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

where:

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

n = number of failure.

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

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

APPENDIX B: TEMPERATURE CYCLING STRESS MODELS

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

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

The model constant, m , is experimentally calculated for each failure mechanism. The acceleration factor is labeled 'brittle' because the derivation of this equation assumes brittle fracture mechanics. Basically, the model assumed that cracks advance a little every time the maximum stress is reached. The maximum stress is assumed to be proportional to the difference in temperature between the minimum and maximum stress temperatures. For plastic-encapsulated devices, the stress is minimum during molding, (T_{mold}), and maximum during the lowest temperature reached during temperature cycling, (T_{min}).

The model constant, m , is a function of the failure mechanism.

Thin film cracking	$m = 12$ (Blish and Vaney [2])
Al/Au Intermetallic fractures	$m = 4$
Chip-out (cratering) bond failures	$m = 7$ (Dunn and McPherson [3])

For ductile materials, dislocation movement dominates the fracture mechanics and a different model is used.

The second, and most widely accepted model, uses the difference between the minimum and maximum temperatures during temperature cycle testing (T_{min} and T_{max}) to calculate an acceleration factor.

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

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

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

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



APPENDIX B: TEMPERATURE CYCLING STRESS MODELS (cont.)

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

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

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

References:

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



APPENDIX C: EQUIVALENCE OF DIFFERENT STRESS TEST CONDITIONS

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

Dynamic (HTOL)

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

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

The derating calculation assumes a 15 °C rise due to junction heating.

Temperature Cycling

Two different temperature cycling conditions were used to measure reliability, -65°C to 150°C and -55°C to 125°C. Using the brittle failure mechanism model with $m = 12$, the derating factor between -65°C to 150°C and -55°C to 125°C is calculated.

$$DF = \left(\frac{170 - (-55)}{170 - (-65)} \right)^{12} = 1.685$$

Using the ductile failure mechanism model with $m = 5.16$, the derating factor between -65°C to 150°C and -55°C to 125°C is obtained.

$$DF = \left(\frac{125 - (-55)}{150 - (-65)} \right)^{5.16} = 2.501$$

HAST

The derating factor between two HAST conditions, 140 °C / 85%RH and 130 °C / 85% RH is simply the ratio of the acceleration factors (See Appendix A)

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



From: 1/1/2011
To: 1/1/2012

Summary Detail -- EFR Performance Over Time

TECHNOLOGY	DIVISION	EVALNUM	TV	DEVICE	TEMP	VOLT	READOUT	DURATION	SS	REJECT	FA	COMMENTS
LL65												
	MPD	102201	R4A	7C4S1472AO	125	2.05	96	96	59	0		
	MPD	104602	R1	CY7C1512KV18-300BZXC	125	2.05	96	96	1600	0		
	MPD	111807	R1	7C1420KO	125	2.07	96	96	3392	0		
	MPD	111807	R2	7C1420KO	125	2.07	96	96	2790	0		
	MPD	111807	R3	7C1420KO	125	2.07	96	96	4069	0		
	MPD	111807	R3	7C1420KO	125	2.07	96	96	120	0		
	MPD	112506	R1	7C1420KO-**RABBC	125	2.07	96	96	3513	0		
	MPD	112506	R1A	7C1420KO-**RABBC	125	2.07	96	96	3577	0		
	MPD	112506	R2	7C1420KO-**RABBC	125	2.07	96	96	2454	0		
	MPD	112506	R3	7C1420KO-**RABBC	125	2.07	96	96	1106	0		
	MPD	113301	R1-Split 1	CY7C1514KV18-250BZXC	125	2.05	96	96	1883	0		
	MPD	113301	R1-Split 2	CY7C1514KV18-250BZXC	125	2.05	96	96	114	0		
	MPD	113301	R2-Split 1	C1514KV18-250BZXC	125	2.05	96	96	1515	0		
	MPD	113301	R2-Split 2	C1514KV18-250BZXC	125	2.05	96	96	616	0		
	MPD	113301	R3-Split 1	C1514KV18-250BZXC	125	2.05	96	96	1617	0		
	MPD	113301	R3-Split 2	C1514KV18-250BZXC	125	2.05	96	96	4204	0		
	MPD	113301	R3-Split 3	C1514KV18-250BZXC	125	2.05	96	96	118	0		
	MPD	113301	R3-Split 4	C1514KV18-250BZXC	125	2.05	96	96	113	0		



MPD	MR112071	R1	CY7C1512KV18-250BZXC	125	2.05	96	96	7400	0
DCD	113007	R1	CY7C1512KO	125	1.95	96	96	1500	0
DCD	102402	R1-Split 1	CYUSB3014-BZXIES	125	3.3	96	96	1304	0
DCD	102402	R1- Split 2	CYUSB3014-BZXIES	125	3.3	96	96	1305	0
DCD	102402	R1-Split 3	CYUSB3014-BZXIES	125	3.3	96	96	586	0
DCD	102402	R2-Split 1	CYUSB3014-BZXIES	125	3.795	96	96	1121	0
DCD	102402	R2- Split 2	CYUSB3014-BZXIES	125	3.795	96	96	1305	0
DCD	102402	R2- Split 3	CYUSB3014-BZXIES	125	3.795	96	96	944	0
DCD	102402	R3- Split 1	CYUSB3014-BZXIES	125	3.795	96	96	1305	0
DCD	102402	R3- Split 2	CYUSB3014-BZXIES	125	3.795	96	96	1214	0
DCD	102402	R4	CYUSB3014-BZXIES	125	3.795	96	96	1008	0
Summary for Technology: LL65		29	records						
Sum								51,852	0
L28									
MPD	110605	R1	CY2305ESXC-1H	150	3.8	48	48	1530	0
Summary for Technology: L28		1	records						
Sum								1530	0
C9									
MPD	105004	R2	CY7C1061DV33-10BVXI	125	3.7	96	96	2030	0
MPD	105004	R3	CY7C1061DV33-10BVXI	125	3.7	96	96	1999	0
MPD	105004	R4	CY7C1061DV33-10BVXI	125	3.7	96	96	1931	0
MPD	110101	R1	CY7C1041DV33-10ZSXI	150	3.7	48	48	5250	0
MPD	MR104054	R1	CY7C1041DV33-10ZSXI	150	3.77	48	48	5398	0
MPD	MR113041	R1	CY7C1041DV33-10ZSXI	150	3.77	48	48	5400	0
MPD	104606	R1	CYRS1049DV33	150	3.77	48	48	1606	0
MPD	104606	R2	CYRS1049DV33	150	3.77	48	48	3197	0
MPD	113303	R1	CY7C1081DV33-12BAXI	110	3.5	48	48	130	0
MPD	113303	R3	CY7C1081DV33-12BAXI	110	3.5	48	48	130	0



Summary for Technology: C9			10	records						
Sum										
R8										
MPD	103206	R1	CY7C62162DK	125	2.75	96	96	2534	0	
MPD	MR103079	R1	7G62162DK-**GBVI	150	5.0	24	24	5130	0	
MPD	MR104055	R1	CY621675EV30LL-45BVXI	125	1.85	144	144	470	0	
MPD	MR111059	R1	CY62157DV30LL-55BVIT	125	2.4	96	96	300	0	
MPD	112504	R1	7G62162DK	125	2.4	24	24	19	0	
MPD	112504	R1	7G62162DK	125	2.4	96	96	1844	0	

Summary for Technology: R8			6	records						
Sum										
S8										
CCD	101101	R4-Split 1	CY8C3866AXI-040ES3	150	2.07	48	48	600	0	
CCD	101101	R4-Split 2	CY8C3866AXI-040ES3	150	2.07	48	48	949	0	
CCD	101101	R5-Split 1	CY8C3866AXI-040ES3	150	2.07	48	48	1076	0	
CCD	101101	R5-Split 2	CY8C3866AXI-040ES3	150	2.07	48	48	474	0	
MPD	102204	R2E	CY14E101Q3A-SFXI	125	3	48	48	25	0	
MPD	102204	R2F	CY14B101Q2A-SXI	150	3.3	48	48	1073	0	
MPD	102204	R3	CY14MB064Q2A-SXIES	150	3.3	48	48	631	0	
MPD	102204	R3A	CY14MB064J2-SXIES	150	3.3	48	48	1461	0	
MPD	102204	R4	CY14B101Q1A-SXIES	150	3.3	48	48	883	0	
MPD	102204	R4A	CY14ME064Q2A-SXI	150	5.5	48	48	450	0	
MPD	102204	R4B	CY14ME064Q2A-SXIES	125	5.5	48	48	588	0	
MPD	102204	R4C	CY14ME064J2-SXI	150	5.5	48	48	1008	0	
MPD	102204	R5	CY14ME064Q2A-SXI	150	5.5	48	48	384	0	
MPD	102204	R5A	CY14ME064J2-SXI	150	5.5	48	48	507	0	
MPD	102305	R2	CY14V104NA-BA25XI	150	5.25	48	48	228	0	
MPD	102305	R2A	CY14V104NA-BA25XI	150	5.25	48	48	256	0	
CCD	104407	R1	CY8C20566A-12PVXE	150	2.1	24	24	80	0	



CCD	104407	R1-Split 1	CY8C20566A-12PVXE	150	2.1	24	24	357	0
CCD	104407	R1-Split 2	CY8C20566A-12PVXE	150	2.1	24	24	357	0
CCD	104407	R1-Split 3	CY8C20566A-12PVXE	150	2.1	24	24	357	0
CCD	104407	R1-Split 4	CY8C20566A-12PVXE	150	2.1	24	24	357	0
CCD	104407	R1-Split 5	CY8C20566A-12PVXE	150	2.1	24	24	357	0
CCD	104407	R1-Split 6	CY8C20566A-12PVXE	150	2.1	24	24	594	0
CCD	104407	R1-Split 7	CY8C20566A-12PVXE	150	2.1	24	24	714	0
CCD	104407	R1-Split 8	CY8C20566A-12PVXE	150	2.1	24	24	440	0
CCD	104407	R2-Split 1	CY8C20566A-12PVXE	150	2.1	24	24	424	0
CCD	104407	R2-Split 2	CY8C20566A-12PVXE	150	2.1	24	24	864	0
CCD	104407	R2-Split 3	CY8C20566A-12PVXE	150	2.1	24	24	864	0
CCD	104407	R2-Split 4A	CY8C20566A-12PVXE	150	2.1	24	24	864	0
CCD	104407	R2-Split 5	CY8C20566A-12PVXE	150	2.1	24	24	584	0
CCD	104407	R3-Split 1	CY8C20566A-12PVXE	150	2.1	24	24	356	0
CCD	104407	R3-Split 2	CY8C20566A-12PVXE	150	2.1	24	24	984	0
CCD	104407	R3-Split 3	CY8C20566A-12PVXE	150	2.1	24	24	984	0
CCD	104407	R3-Split 4	CY8C20566A-12PVXE	150	2.1	24	24	535	0
CCD	104407	R3-Split 5	CY8C20566A-12PVXE	150	2.1	24	24	449	0
CCD	104407	R3-Split 6	CY8C20566A-12PVXE	150	2.1	24	24	301	0
CCD	104407	R1	CY8C20566A-12PVXE	150	2.1	48	48	80	0
CCD	104407	R2	CY8C20566A-12PVXE	150	2.1	48	48	80	0
CCD	104407	R3	CY8C20566A-12PVXE	150	2.1	48	48	80	0
DCD	104703	R1	CYONSFN3000-LBXC	150	2	48	48	520	0
CCD	105201	R3	CY8C20566A-12PVXE	150	2.1	24	24	800	0
CCD	110905	R1	CY8C5588AXI-060ES1	150	2.07	48	48	999	0
CCD	110905	R1	CY8C5588AXI-060ES1	150	2.07	72	72	4	0
CCD	110905	R1	CY8C5588AXI-060ES1	150	2.07	72	72	2	0
CCD	110905	R1	CY8C5588AXI-060ES1	125	6	96	96	49	0



CCD	110905	R3-Split 1	CY8C5588AXI-060ES1	150	2.07	48	48	872	0
CCD	110905	R3-Split 2	CY8C5588AXI-060ES1	150	2.07	48	48	117	0
CCD	110905	R1	CY8C5588AXI-060ES1	150	2.07	72	72	1	0
CCD	110905	R4	CY8C5568AXI-060	150	2.07	48	48	1024	0
CCD	112105	R3	CY8CTMA301E5-48LQXI	150	2.07	48	48	1500	0
CCD	113002	R1	CY8C3866AXI-040	150	2.07	48	48	1489	0
CCD	MR104040	R1A	CY8CTMG200-32LQXI	150	2.1	48	48	251	0
CCD	MR104081	R1	CY8CTST200A-32LQXIES	150	2.1	72	72	327	0
CCD	MR102075	R1	CY8C20466-24LQXI	150	2.1	72	72	109	0
CCD	MR102075	R1B	CY8C20466-24LQXI	150	2.1	120	120	959	0
CCD	MR102075	R1C-Split 1	CY8C20466-24LQXI	150	2.1	48	48	399	0
CCD	MR102075	R1D	CY8C20466-24LQXI	150	2.1	48	48	475	0
CCD	MR102075	R1E-Split 1	CY8C20466-24LQXI	150	2.1	48	48	1439	0
CCD	MR102075	R1E-Split 2	CY8C20466-24LQXI	150	2.1	48	48	521	0
MPD	MR111078	R1	7C1404B6CC	150	5.0	96	96	621	0
CCD	MR112061	R3	CY8CTMA340-48LQI-01	150	2.07	72	72	169	0
CCD	MR112061	R4	CG7382AMT	150	2.07	48	48	193	0
CCD	MR112061	R4	CG7382AMT	150	2.07	48	48	480	0
CCD	113211	R1-Split 1	CY8CTMA340-48LQI-09	150	2.07	48	48	485	0
CCD	113211	R1-Split 2	CY8CTMA340-48LQI-09	150	2.07	48	48	486	0
CCD	113211	R1-Split 3	CY8CTMA340-48LQI-09	150	2.07	48	48	412	0
CCD	113211	R2- Split 1	CY8CTMA340-48LQI-09	150	2.07	48	48	520	0
CCD	113211	R2- Split 2	CY8CTMA340-48LQI-09	150	2.07	48	48	518	0
CCD	113211	R2- Split 3	CY8CTMA340-48LQI-09	150	2.07	48	48	418	0
CCD	113211	R2- Split 4	CY8CTMA340-48LQI-09	150	2.07	48	48	102	0
MPD	113302	R1	CY8C20236A-24LKXA	150	2.1	48	48	625	0
MPD	113302	R3	CY8C20236A-24LKXA	150	2.1	24	24	910	0
MPD	113302	R2- Split 1	CY8C20236A-24LKXA	150	2.1	48	48	726	0



MPD	113302	R2	CY8C20236A-24LKXA	150	2.1	24	24	181	0	
CCD	113905	R1- Split 1	CY8CTMA443-48LQIES2	150	5.75	48	48	791	0	
CCD	113905	R1- Split 2	CY8CTMA443-48LQIES2	150	5.75	48	48	701	0	
CCD	113905	R1A- Split 1	CY8CTMA463-48LQIES2	150	5.75	48	48	840	1	1-ISB (CAR 201201012)
CCD	113905	R1A- Split 2	CY8CTMA463-48LQIES2	150	5.75	48	48	234	1	1-ISB (CAR 201201012)
CCD	113905	R1B	CY8CTMA400-48LQIES2	150	5.75	48	48	418	1	1-ISB (CAR 201201012)
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	

Summary for Technology: S8

81 records

Sum

44,842 3

C8

DCD	111803	R1	CY7C68320C-100AXA	150	3.8	24	24	642	0	
DCD	111803	R1	CY7C68320C-100AXA	150	3.8	48	48	158	0	
DCD	111803	R2	CY7C68320C-100AXA	150	3.8	24	24	800	0	
DCD	111803	R3	CY7C68320C-100AXA	150	3.8	24	24	800	0	
DCD	MR104085	R1	CYWB0224ABS-BVXI	125	3.8	96	96	499	0	
DCD	MR111066	R1	CYWB0224ABS-BVXI	125	3.8	96	96	429	0	
DCD	MR112074	R1	CYWB0124AB-BVXI	125	3.8	96	96	278	0	
DCD	MR112074	R1	CYWB0124AB-BVXI	125	3.8	96	96	577	0	
DCD	MR112074	R1	CYWB0124AB-BVXI	125	3.8	96	96	100	0	
DCD	MR112075	R1	CYWB0124AB-BVXI	125	3.8	96	96	429	0	
DCD	MR112075	R1	CYWB0124AB-BVXI	125	3.8	96	96	140	0	
DCD	MR113058	R1- Split 1	CYWB0124AB-BVXI	125	3.8	96	96	576	0	
DCD	MR113058	R1- Split 2	CYWB0124AB-BVXI	125	3.8	96	96	424	0	

Summary for Technology: C8

13 records

Sum

5,852 0



R95

MPD	103305	R1	CY621685EV30LL-45BVXI	125	1.85	96	96	3364	0
MPD	105211	R1	CY62148ESL	150	1.85	48	48	800	0
MPD	105211	R2	CY62138FV30LL	150	1.85	48	48	800	0
MPD	105211	R3	CY62128ELL	150	1.85	48	48	798	0
MPD	110708	R1	7A62128KC	150	1.85	24	24	800	0
MPD	110708	R2	7A62128KC	150	1.85	24	24	800	0
MPD	110708	R3	7A62128KC	150	1.85	24	24	800	0
MPD	111410	R2	7A62126FC	150	1.85	24	24	799	0
MPD	111410	R2	7A62126FC	150	1.85	48	48	799	0
MPD	111410	R3	7A62126FC	150	1.85	24	24	799	0
MPD	111411	R2	7A62128KC	150	1.85	24	24	400	0
MPD	111411	R3	7A62128KC	150	1.85	24	24	400	0
MPD	111411	R3A	CY62128ELL-55ZAXE	125	1.85	48	48	425	0
MPD	111411	R4	CY62128ELL-55ZAXE	125	1.85	48	48	450	0
MPD	111412	R2	CY62128ELL-55ZAXE	125	1.85	48	48	425	0
MPD	111412	R3	CY62128ELL-55ZAXE	125	1.85	48	48	450	0
MPD	111412	R6	7A62128KC	150	1.85	24	24	400	0
MPD	111701	R3B	CY621675EV30LL-45BVXI	125	1.85	96	96	3511	0
MPD	MR104077	R1	7A62157FC	125	2.2	24	24	14589	0
MPD	MR111077	R1	CY62146ESL-45ZSXI	125	1.85	96	96	5260	0
MPD	111605	R1	CY621675EV30LL-45BVXI	125	1.85	96	96	2996	0
MPD	104104	R1	7A62157FC	150	1.85	72	72	6055	0
MPD	104104	R2	7A62157FC	150	1.85	48	48	4220	0
MPD	91001	R1	CY62137FV33	125	1.85	96	96	5812	0
MPD	91001	R2	7A62137GC-	125	1.85	96	96	5544	0

Summary for Technology: R95

25

records

Sum

61,496

0



CCD	MR111061	R1	CG7326AAT	125	5.5	96	96	300	0
CCD	MR113044	R1	CY8C24423A-24PVXI	125	5.5	96	96	1031	0
CCD	MR113042	R1	CY8C24533-24PVXI	125	5.5	96	96	1000	0
CCD	MR112041	R2	CY8C24533-24PVXI	125	5.5	96	96	999	0
CCD	111402	R1	CY8C29466-24PVXI	150	5	96	96	1500	0
Summary for Technology: S4		9	records						
Sum								7,925	0
R52									
MPD	105206	R1	CY7C199CN	150	3.88	72	72	800	0
MPD	105206	R2	CY7C199CN	150	3.8	72	72	799	0
MPD	105206	R3	CY7C199CN	150	3.8	72	72	799	0
MPD	105206	R3	CY7C199CN	150	3.8	72	72	799	0
MPD	111411	R1	7A62128ZHC	150	5.75	24	24	400	0
MPD	111411	R2A	CY62128BNLL-70SXA	125	5.75	48	48	445	0
MPD	111412	R1	CY62128BNLL-70SXA	125	5.75	48	48	445	0
MPD	111412	R4	7A62128ZHC	150	5.75	24	24	400	0
MPD	111804	R2	7A1021SFC	150	3.8	24	24	792	0
Summary for Technology: R52		9	records						
Sum								5,679	0
R42									
MPD	105202	R1	CY62256VLL	150	5.75	48	48	799	0
MPD	105202	R2	CY62256NLL-55ZXAT	150	5.75	48	48	800	0
MPD	105202	R3	CY62256NLL-55ZXAT	150	5.75	48	48	799	0
MPD	105208	R1	CY62256NLL-70SNXA	150	5.75	48	48	799	0
MPD	105208	R2	CY62256VNLL-70SNXE	150	5.75	48	48	798	0
MPD	105208	R3	7A622574NDC	150	5.75	48	48	800	0
MPD	MR103066	R1	CY62256VNLL-70SNXI	125	5.75	96	96	300	0
MPD	MR111060	R1	CY62256VNLL-70SNXIT	125	5.75	96	96	300	0
MPD	MR111063	R1	CY62256NLL-55SNXI	125	5.75	96	96	300	0



Summary for Technology: R42		9	records							
Sum								5,695	0	
L8										
MPD	111001	R1- Split 1	CY5077SXC	150	2	48	48	605	0	
MPD	111001	R1- Split 2	CY5077SXC	150	2	48	48	604	0	
MPD	111001	R1- Split 3	CY5077SXC	150	2	48	48	290	0	
Summary for Technology: L8		3	records							
Sum								1,499	0	



Summary Detail -- LFR Performance Over Time

TECHNOLOGY	DIVISION	EVALNUM	TV	DEVICE	TEMP	VOLT	READOUT	DURATION	SS	REJECT	FA	COMMENTS
R42												
	MPD	105202	R1	CY62256VLL	150	5.75	408	408	76	0		
	MPD	105202	R1	CY62256VLL	150	5.75	432	432	3	0		
	MPD	105202	R2	CY62256NLL-55ZXAT	150	5.75	408	408	80	0		
	MPD	105202	R3	CY62256NLL-55ZXAT	150	5.75	408	408	80	0		
	MPD	105208	R1	CY62256NLL-70SNXA	150	5.75	408	408	77	0		
	MPD	105208	R2	CY62256VNLL-70SNXE	150	5.75	408	408	80	0		
	MPD	105208	R3	7A622574NDC	150	5.75	408	408	80	0		
	MPD	MR103066	R1	CY62256VNLL-70SNXI	125	5.75	952	952	299	0		
	MPD	MR104074	R1	CY62256NLL-70SNXC	125	5.75	1000	1000	300	0		
	MPD	MR111060	R1	CY62256VNLL-70SNXIT	125	5.75	1000	1000	300	0		
	MPD	MR111063	R1	CY62256NLL-55SNXI	125	5.75	1000	1000	300	0		
Summary for Technology: R42			11	records					1,675	0		
Sum												
R8												
	MPD	MR104042	R1	CY62157DV30LL-55BVI	125	2.4	1096	1096	297	0		
	MPD	MR111059	R1	CY62157DV30LL-55BVIT	125	2.4	1000	1000	298	0		
Summary for Technology: R8			2	records					595	0		
Sum												
C8												
	MPD	111803	R1	CY7C68320C-100AXA	150	3.8	408	408	80	0		
	MPD	111803	R2	CY7C68320C-100AXA	150	3.8	408	408	80	0		
	MPD	111803	R3	CY7C68320C-100AXA	150	3.8	408	408	80	0		
	DCD	MR103053	R1	CYWB0224ABS-BVXI	125	3.8	1000	1000	300	0		
	DCD	MR104085	R1	CYWB0224ABS-BVXI	125	3.8	1000	1000	498	0		



DCD	MR111066	R1	CYWB0224ABS-BVXI	125	3.8	1024	1000	426	0
MPD	MR112074	R1	CYWB0124AB-BVXI	125	3.8	1000	1000	278	0
MPD	MR112075	R1	CYWB0124AB-BVXI	125	3.8	1000	100	297	0

Summary for Technology: C8

8 records

Sum

2,039 0

LL65

MPD	102201	R2	CYF0072V33L-150BGXIES	125	1.6	1000	1000	241	0
MPD	102201	R3	7C4S1472AO	125	1.6	1000	1000	177	0
MPD	102201	R4	7C4S1472AO	125	1.6	1000	1000	177	0
DCD	102402	R1	CYUSB3014-BZXIES	125	3.3	1000	175	175	0
DCD	102402	R2	CYUSB3014-BZXIES	125	3.3	1000	180	180	0
DCD	102402	R3	CYUSB3014-BZXIES	125	3.795	1000	180	180	0

Summary for Technology: LL65

6 records

Sum

1,130 0

C9

MPD	104813	R2	CY7C1021DV33-10ZSXI	150	3.8	500	500	116	0
MPD	113303	R1	CY7C1081DV33-12BAXI	110	3.5	1000	127	127	0

Summary for Technology: C9

2 records

Sum

243 0

R9

MPD	MR103082	R1	7C1380XC	150	2.25	500	500	299	0
MPD	MR112079	R1	CY7C1515JV18-333BZI	125	5.0	5500	5500	50	0
MPD	MR112079	R2	CY7C1570V18-375BZC	125	5.0	4500	4500	50	0
MPD	MR112079	R3	CY7C1515JV18-333BZI	125	5.0	3500	3500	48	0
MPD	MR112079	R4	CY7C1570V18-375BZC	125	5.0	3500	3500	50	0

Summary for Technology:

R9

5 records



Sum

497 0

R52

MPD	104813	R1	CY7C1041BN-15ZXI	150	3.8	500	500	114	0
MPD	105206	R1	CY7C199CN	150	3.8	408	408	80	0
MPD	105206	R2	CY7C199CN	150	3.8	408	408	80	0
MPD	105206	R3	CY7C199CN	150	3.8	408	408	80	0
MPD	111804	R2	7A1021SFC	150	3.8	408	408	80	0
MPD	111411	R2A	CY62128BNLL-70SXA	150	5.75	408	408	80	0
MPD	111412	R1	CY62128BNLL-70SXA	150	5.75	408	408	80	0

Summary for Technology: R52

7 records

Sum

594 0

S8

MPD	104407	R1	CY8C20566A-12PVXE	150	2.1	500	500	80	0
MPD	104407	R2	CY8C20566A-12PVXE	150	2.1	500	500	80	0
MPD	104407	R3	CY8C20566A-12PVXE	150	2.1	500	500	80	0
DCD	104703	R1	CYONSFN3000-LBXC	150	2	500	500	234	0
MPD	105201	R3	CY8C20566A-12PVXE	150	2.1	500	500	80	0
CCD	110905	R1	CY8C5588AXI-060ES1	150	2.07	500	500	116	0
CCD	110905	R3	CY8C5588AXI-060ES1	150	2.07	500	500	116	0
CCD	112105	R3	CY8CTMA301E5-48LQXI	150	2.07	500	500	116	0
CCD	113002	R1	CY8C3866AXI-040	150	2.07	500	500	116	0
CCD	MR102075	R1C-Split 1	CY8C20466-24LQXI	150	2.1	500	500	399	0
CCD	MR102076	R1	CY8C20466-24LQXI	150	2.1	500	500	292	0
CCD	MR111068	R1	CY8C20466-24LQXI	150	2.1	500	500	755	0
CCD	113905	R4	CY8CTMA443-48LQIES	150	2.07	500	500	116	0

Summary for Technology: S8

13 records

Sum

2,580 0

S4

MPD	105201	R1	CY8C29666-12PVXE	125	5.5	1000	1000	80	0
-----	--------	----	------------------	-----	-----	------	------	----	---



MPD	105201	R2	CY8C21645-12PVXE	125	5.5	1000	1000	80	0
DCD	111812	R2	CY7C60323-LTXC	125	5.5	1000	1000	116	0
CCD	MR102077	R1	CY8C24533-24PVXI	125	5.5	1144	1144	298	0
CCD	MR103048	R1	CP7164ATT	125	5.25	1024	1024	299	0
CCD	MR103060	R1	CY8C21534-24PVXI	125	5.5	1000	1000	261	0
CCD	MR104043	R1	CP7164ATT	125	5.25	1000	1000	229	0
CCD	MR111062	R1	CG7264AM	125	5.25	1000	1000	298	0
CCD	111402	R1	CY8C29466-24PVXI	125	5.5	1024	1024	116	0

Summary for Technology: S4

9 records

Sum

1,777 0

R95

MPD	105211	R1	CY62148ESL	150	1.85	408	408	80	0
MPD	105211	R2	CY62138FV30LL	150	1.85	408	408	80	0
MPD	105211	R3	CY62128ELL	150	1.85	408	408	80	0
MPD	110708	R1	7A62128KC	150	1.85	408	408	80	0
MPD	110708	R2	7A62128KC	150	1.85	408	408	80	0
MPD	110708	R3	7A62128KC	150	1.85	408	408	80	0
MPD	111410	R2	7A62126FC	150	1.85	408	408	80	0
MPD	111410	R3	7A62126FC	150	1.85	408	408	80	0
MPD	111411	R3A	CY62128ELL-55ZAXE	150	1.85	408	408	80	0
MPD	111411	R4	CY62128ELL-55ZAXE	150	1.85	408	408	80	0
MPD	111412	R2	CY62128ELL-55ZAXE	150	1.85	408	408	80	0
MPD	111412	R3	CY62128ELL-55ZAXE	150	1.85	408	408	80	0
MPD	111701	R3B	CY621675EV30LL-45BVXI	125	1.85	1000	1000	400	0
MPD	MR103078	R1	7A62157FC	125	1.85	1000	1000	282	0

Summary for Technology: R95

14 records

Sum

1,642 0

R7



MPD	104805	R2	CY7C1019CV33-15VXC	150	2.3	500	500	116	0
MPD	104907	R1	CY7C1041CV33	150	2.3	408	408	100	0
MPD	104907	R2	CY7C1041CV33	150	2.3	500	500	100	0
MPD	111410	R1	7A134101FC	150	2.3	408	408	79	0
MPD	111804	R1	7A134101FC	150	2.3	408	408	80	0
MPD	111804	R3	7A122101GC	150	2.3	408	408	78	0

Summary for Technology: R7

6 records

Sum

553 0



Summary Detail -- DRET Performance Over Time

TECHNOLOGY	DIVISION	EVALNUM	TV	DEVICE	TEMP	VOLT	READOUT	DURATION	SS	REJECT	FA	COMMENTS
S4												
	CCD	MR101052	R1	CY8C27243-24PVXIT	175	0	3500	3500	76	0		
	CCD	MR101059	R1	CY8C20434-12LQXIT	175	0	2000	2000	77	0		
	CCD	MR102072	R1	CY8C27443-24PVXIT	175	0	3500	3500	80	0		
	CCD	MR102077	R1	CY8C24533-24PVXI	175	0	2000	2000	80	0		
	CCD	MR103048	R1	CP7164ATT	150	0	1000	1000	80	0		
	CCD	MR103048	R1	CP7164ATT	175	0	408	408	78	0		
	CCD	MR103060	R1	CY8C21534-24PVXI	150	0	1024	1024	67	0		
	CCD	MR104039	R1	CY8C24533-24PVXI	150	0	1024	1024	80	0		
	CCD	MR104039	R1	CY8C24533-24PVXI	175	0	432	432	80	0		
	CCD	MR104043	R1	CP7164ATT	150	0	1000	1000	80	0		
	CCD	MR104043	R1	CP7164ATT	175	0	408	408	80	0		
	CCD	MR111062	R1	CG7264AM	150	0	3500	3500	80	0		
	CCD	MR111062	R1	CG7264AM	175	0	3500	3500	80	0		
	CCD	MR112055	R1	CY8C29466-24PVXI	175	0	1000	1000	80	0		
	CCD	MR112055	R1	CY8C29466-24PVXI	150	0	1000	80	80	0		
	CCD	MR113027	R1	CY8C24533-24PVXI	150	0	1000	80	80	0		
Summary for Technology: S4			16	records						1,258	0	
Sum										1,258	0	
S8												
	MPD	102204	R1	CY14B101Q2A-SXI	150	0	1000	1000	80	0		
	MPD	104407	R1	CY8C20566A-12PVXE	150	0	1000	1000	80	0		
	MPD	104407	R2	CY8C20566A-12PVXE	150	0	1000	1000	80	0		
	MPD	104407	R3	CY8C20566A-12PVXE	150	0	1000	1000	80	0		



DCD	104703	R1	CYONSFN3000-LBXC	150	0	1500	1500	77	0
CCD	110905	R1	CY8C5588AXI-060ES1	150	0	1000	1000	77	0
CCD	110905	R3	CY8C5588AXI-060ES1	150	0	1000	1000	80	0
CCD	MR094068	R1	CY8CTMG200-32LQXI	150	0	3500	3500	75	0
CCD	MR102075	R1A	CY8C20466-24LQXI	175	0	3500	3500	75	0
CCD	MR102076	R1	CY8C20466-24LQXI	175	0	3500	3500	76	0
CCD	MR103067	R1	CY8CTMG200-32LQX	175	0	3500	3500	78	0
CCD	MR104040	R1	CY8CTMG200-32LQXI	150	0	1000	1000	80	0
CCD	MR104040	R1	CY8CTMG200-32LQXI	175	0	3500	3500	80	0
CCD	MR111068	R1	CY8C20466-24LQXI	150	0	3500	3500	73	0
CCD	MR111068	R1	CY8C20466-24LQXI	175	0	2000	2000	79	0
CCD	MR112062	R1	CY8C20446A-24LQXIT	175	0	1000	1000	79	0
CCD	MR112062	R1	CY8C20446A-24LQXIT	150	0	1000	80	80	0
CCD	MR111079	R1	CY8C20446A-24LQXIT	150	0	1000	80	80	0
CCD	MR113082	R1	CY8C20436A-24LQXIT	150	0	1000	80	80	0

Summary for Technology: S8

19 records

Sum

1,489 0



FROM: 1/1/2011
TO: 01/01/2012

Summary Detail -- HAST Performance Over Time

BUILDKIT	ASSY SITE	EVALNUM	TV	DEVICE	TEMP	VOLT	READOUT	SS	REJECT	FA	COMMENTS	
FBGA (0.75-0.8, 0.3mm, Pb-free)												
BK121AGAGL	RA	110501	R1	7C07101B	130	3.63	264	81	0			
BK48DJALL	G	MR103064	R1	CY62177DV30LL-55BAXI	130	5.25	264	30	0			
BK48DJALL	G	MR104065	R1	CY62177DV30LL-55BAXI	130	3.6	264	30	0			
BK48DJALL	G	MR112036	R1	CY62177DV30LL-55BAXI	110	3.6	264	30	0			
Summary for Package Family: FBGA (0.75-0.8, 0.3mm, Pb-free)			4	records								
Sum								171	0			
FBGA (1.0-1.27)												
BB165GABLE	RA	MR104057	R1	CY7C1518KV18-333BZC	110	2.05	264	30	0			
Summary for Package Family: FBGA (1.0-1.27)			1	records								
Sum								30	0			
FBGA (1.0-1.27, Pb-free)												
BW209FAALL	GQ	102201	R3	7C4S1472AO	130	2.05	264	72	0			
BW209FAALL	GQ	102505	R3	7C4S1472AO-	130	2.05	264	72	0			
BW209FAALL	GQ	102505	R5	CYF0072V33L-133BGXI	110	2.05	264	76	0			
BW165BUALL	G	113007	R1	CY7C1512KO	130	1.95	264	78	0			
BW165BUALL	G	113007	R2	CY7C1512KO	130	1.95	128	80	0			
BW165RJALL	RA	MR113074	R1	CY7C1412KV18-250BZXI	130	1.95	128	30	0			
Summary for Package Family: FBGA (1.0-1.27, Pb-free)			6	records								
Sum								408	0			



PDIP (Pb-Free)

PZ243AAAGN	X	MR113012	R1	CY7C63743C-PXC	130	5.5	128	30	0
------------	---	----------	----	----------------	-----	-----	-----	----	---

Summary for Package Family: PDIP (Pb-Free)

1 records

Sum

30 0

PLCC (Pb-Free)

JZ32RBGAN	M	MR112030	R1	CY7B991V-2JXCT	130	3.6	128	30	0
-----------	---	----------	----	----------------	-----	-----	-----	----	---

JZ32RBGAN	M	MR113005	R1	CY7B991V-5JXC	130	3.6	128	30	0
-----------	---	----------	----	---------------	-----	-----	-----	----	---

Summary for Package Family: PLCC (Pb-Free)

2 records

Sum

60 0

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

LG16AQAAAL	G	112603	R1	CY8C20236A-24LKXI	130	5.25	128	79	0
------------	---	--------	----	-------------------	-----	------	-----	----	---

LG16ABAALL	L	113302	R1	CY8C20236A-24LKXA	130	5.25	96	78	0
------------	---	--------	----	-------------------	-----	------	----	----	---

LG16ABAALL	L	113302	R2	CY8C20236A-24LKXA	130	5.25	96	78	0
------------	---	--------	----	-------------------	-----	------	----	----	---

LG16ABAALL	L	113302	R3	CY8C20236A-24LKXA	130	5.25	128	79	0
------------	---	--------	----	-------------------	-----	------	-----	----	---

LG16AAAAL	MB	MR111011	R1	CY8C20236A-24LKXIT	130	5.25	128	30	0
-----------	----	----------	----	--------------------	-----	------	-----	----	---

LG16AAAAL	MB	MR112021	R1	CY8C20236A-24LKXIT	130	5.25	128	28	0
-----------	----	----------	----	--------------------	-----	------	-----	----	---

LG16ABAALL	L	NR111001	R1	CY8C20236A-24LKXIKL	130	5.25	128	29	0
------------	---	----------	----	---------------------	-----	------	-----	----	---

LG16ABAALL	L	NR111001	R2	CY8C20236A-24LKXIKL	130	5.25	128	30	0
------------	---	----------	----	---------------------	-----	------	-----	----	---

LG16ABAALL	L	NR111001	R3	CY8C20236A-24LKXIKL	130	5.25	128	29	0
------------	---	----------	----	---------------------	-----	------	-----	----	---

LG16AAAAL	MB	NR111002	R1	CY8C20236A-24LKXI	130	5.25	128	30	0
-----------	----	----------	----	-------------------	-----	------	-----	----	---

LG16AAAAL	MB	NR111002	R2	CY8C20236A-24LKXI	130	5.25	128	30	0
-----------	----	----------	----	-------------------	-----	------	-----	----	---

LG16AAAAL	MB	NR111002	R3	CY8C20236A-24LKXI	130	5.25	128	30	0
-----------	----	----------	----	-------------------	-----	------	-----	----	---

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

12 records

Sum

550 0

QFN (Punch Type, Pb-Free)

LY24BGAGL	L	MR112059	R1	CY8C21323-24LFXIT	130	5.25	128	30	0
-----------	---	----------	----	-------------------	-----	------	-----	----	---

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

1 records



Sum

30 0

QFN (Saw Type, Pb-Free)

LQ48ACAAAL	L	104807	R1	CY8CTMA301E-48LQXI	130	4	128	80	0
LT68ADAAGL	RA	110905	R1C	CY8C5588LTI-114ES1	130	5.5	128	28	0
LT68ADAAGL	RA	110905	R1D	CY8C5588LTI-114ES1	130	5.5	128	22	0
LT68ADAAGL	RA	110905	R5	CY8C5568LTI-114	130	5.5	128	55	0
LT40ABAAAL	G	111812	R1	CYRF6936B-40LTXC	130	3.63	128	77	0
LT32BBAAAL	G	111812	R2	CY7C60323-LTXC	130	5.25	128	78	0
LT56YAAAAL	G	111816	R1	CY7C65640A-LSXC	130	3.5	128	80	0
LT68YAAAAL	G	111816	R2	CY8CLED04-68LTXI	130	5.25	128	79	0
LQ36AQAAAL	G	112104	R3	CY8CTMA340-LQI-01	130	5.5	128	79	0
LQ56AQAAAL	G	112105	R1	CY8C24794-24LQXI	130	5.25	128	80	0
LQ36AQAAAL	G	112106	R5	CY8CTMA340-LQI-01	130	5.5	128	79	0
LT48CQAAAL	G	112107	R2	CYWUSB6934-48LTXC	130	3.63	128	77	0
LQ36AQAAAL	G	112108	R5	CY8CTMA340-LQI-01	130	5.5	128	79	0
LT88AAAAAL	RA	113002	R1B	CY8CTMA884LTI-13ES	130	5.5	128	75	0
LT88AAAAAL	RA	113002	R1B	CY8CTMA884LTI-13ES	130	5.5	256	75	0
LT88AAAAAL	RA	113002	R2	CY8CTMA884LTI-13ES	130	5.5	128	76	0
LT88AAAAAL	RA	113002	R2	CY8CTMA884LTI-13ES	130	5.5	256	75	0
LT88AAAAAL	RA	113002	R3A	CY8CTMA884LTI-13ES	130	5.5	128	80	0
LT88ABAAAL	K	113802	R7	CY8CTMA884LTI-13ES	130	5.5	128	80	0
LT88ABAAAL	K	113802	R8	CY8CTMA884LTI-13ES	130	5.5	128	78	0
LQ32CCAAL	CA	MR104033	R1	CP7203CTT	130	5.25	128	30	0
LT32BAAAGL	CA	MR104067	R1	CY8C24423A-24LTXI	130	5.25	128	29	0
LQ36ABAAAL	RA	MR111009	R1	CY8CTMA340-LQI-01T	130	4	128	30	0
LQ36AAAAAN	MB	MR111045	R1	CY8CTMA3405-LQI-01	130	4	128	30	0
LQ32EPDAGL	RA	MR112023	R1	CY8C20446A-24LQXIT	130	5.25	128	30	0
LT56BDAAGL	AE	MR112027	R1	CY7C64215-56LTXC	130	5.25	128	30	0



LQ48AAAAAL	R	MR113039	R1	CY8CTMA340-48LQI-01	130	5.5	128	30	0
LT88AAAAAL	RA	113002	R3A	CY8CTMA884LTI-13ES	130	5.5	256	79	0
LQ48AAAAAL	RA	113211	R1	CY8CTMA340-48LQI-09	130	4	128	80	0
LQ48AQAAAL	G	113905	R3	CY8CTMA443-48LQIES	130	5.5	128	80	0
LQ48AQAAAL	G	113905	R4	CY8CTMA443-48LQIES	130	5.5	128	78	0
LQ24AAAAAL	RA	MR111042	R1	CY8C20324-12LQXI	130	5.25	128	30	0
LT32BAABGL	RA	MR111034	R1	CY8C21434-24LTXIT	130	5.25	128	28	0
LT32BAAAGL	CA	MR112014	R1	CY8C21434-24LTXI	130	5.25	128	30	0
LQ32DAGLL	CA	MR113038	R1	CY8C20446A-24LQXIT	130	5.25	128	30	0
Summary for Package Family: QFN (Saw Type, Pb-Free)			35	records					
Sum								207	0
								6	
QSOP (Pb-Free)									
SQ2414ABGN	R	MR111076	R1	CY7C63743C-QXC	130	5.5	128	30	0
Summary for Package Family: QSOP (Pb-Free)			1	records					
Sum								30	0
SNC (Pb-Free)									
SY2831BHN	JT	111401	R1	7A622574NDC	130	3.63	96	39	0
SY2831BBLN	R	MR104022	R1	CY62256NLL-70SNXC	130	5.5	128	30	0
SY2831BBLN	R	MR112034	R1	CY62256NLL-55SNXI	130	5.5	128	30	0
SY2831BBLN	R	MR113001	R1	CG6715AMT	130	5.5	128	30	0
Summary for Package Family: SNC (Pb-Free)			4	records					
Sum								129	0
SOIC (Pb Free)									
SZ815WAGN	M	103507	R1	CY14C101J2-SXI	130	2.75	128	77	0
SZ32457LN	R	110708	R1	7A62128KC	130	3.6	96	77	0
SZ32457LN	R	110708	R2	7A62128KC	130	3.6	96	77	0
SZ32457LN	R	110708	R3	7A62128KC	130	3.6	96	77	0
SZ32451ALL	JT	110902	R1	CY62148BNLL-70SXI	130	5.5	128	80	0



SZ324513AN	JT	111411	R1	7A62128ZHC	130	5.5	96	80	0
SZ32457ALN	JT	111411	R2	7A62128KC	130	3.6	96	80	0
SZ32457ALN	JT	111411	R3	7A62128KC	130	3.6	96	80	0
SZ324513AN	JT	111412	R1	CY62128BNLL-70SXA	130	5.5	96	100	0
SZ32457ALN	JT	111412	R2	CY62128ELL-55ZAXE	130	3.6	96	100	0
SZ32457ALN	JT	111412	R3	CY62128ELL-55ZAXE	130	3.6	96	100	0
SZ28327BGL	R	MR104015	R1	CY8C27443-24SXI	130	5.25	128	30	0
SZ1615FAL	T	MR104069	R1	CY8C20160-SX2IT	130	5.25	128	30	0
SZ28327BGL	R	MR111003	R1	CY8C27443-24SXIT	130	5.25	128	30	0
SZ24315EGN	RA	MR111006	R1	CY7C63743C-SXCT	130	5.5	128	30	0
SZ815PAEGN	RA	MR111030	R1	CY2305SXC-1HT	130	3.63	128	30	0
SZ1615FAL	T	MR111046	R1	CY2309CSXC-1	130	3.63	128	27	0
SZ815CGAN	M	MR111053	R1	CY8C24123A-24SXI	130	5.25	128	30	0
SZ28327BGL	R	MR111055	R1	CY8C27443-24SXIT	130	5.25	128	30	0
SZ324513N	R	MR111064	R1	CY62128BNLL-70SXET	130	5.5	96	30	0
SZ1615KDBGN	RA	MR112010	R1	CY2292FXC	130	3.8	128	30	0
SZ24315EGN	RA	MR112032	R1	CY7C63743C-SXC	130	5.25	128	30	0
SZ324513N	R	MR112035	R1	CY62128BNLL-70SXET	130	5	96	28	0
SZ815PAEGN	RA	MR114001	R1	CY2305SXI-1H	130	3.63	128	30	0
Summary for Package Family: SOIC (Pb Free)			24	records					
Sum								131	0
SOJ								3	
V3645BGBLN	JT	110907	R1	7C1549SCC	130	5.5	128	79	0
V243GAAAGN	X	MR112050	R1	CY7C197BN-15VCT	130	5	128	27	0
Summary for Package Family: SOJ			2	records					
Sum								106	0
SOJ (Pb-Free)									
VZ32422CLL	JT	104805	R1	CY7C1046D-10VXI	130	3.3	128	70	0
VZ32421CLL	JT	104805	R2	CY7C1019CV33-15VXC	130	3.3	128	77	0



VZ32421CLL	JT	104809	R2	CY7C1019CV33-15VXC	130	3.3	128	77	0
VZ28311LLL	JT	105206	R2	CY7C199CN	130	5.5	96	77	0
VZ28311LLL	JT	105206	R3	CY7C199CN	130	5.5	96	77	0
VZ28311LLL	JT	105207	R2	CY7C199CN	130	5.5	96	77	0
VZ28311LLL	JT	105207	R3	CY7C199CN	130	5.5	96	77	0
VZ444YBLL	JT	111804	R1	7A134101FC	130	3.65	96	80	0
VZ444WHGL	JT	111804	R2	7A1021SFC	130	5.5	96	80	0
VZ444ZCLL	JT	111804	R3	7A122101GC	130	3.65	96	80	0
VZ32314BLL	R	MR103011	R1	CY7C1018DV33-10VXIT	130	3.77	128	30	0
VZ2847AAAR	O	MR103054	R1	CY7C106D-10VXI	130	5	128	27	0
VZ32314BLL	R	MR104027	R1A	CY7C1018DV33-10VXIT	130	3.77	128	30	0
VZ2847AAAR	OP	MR104080	R1	CY7C107D-10VXI	130	5	128	30	0
VZ32314BLL	R	MR111050	R1	CY7C1018DV33-10VXIT	130	3.77	128	30	0
VZ2847AAAR	OP	MR111047	R1	CY7C107D-10VXI	130	5	128	29	0
VZ444ACBLN	R	MR112008	R1	CY7C1021DV33-10VXI	130	3.6	128	29	0

Summary for Package Family: SOJ (Pb-Free)

17 records

Sum

977 0

SSOP (Pb-Free)

SP483JAAAL	R	104407	R1	CY8C20566A-12PVXE	130	5.25	96	80	0
SP483JAAAL	R	104407	R2	CY8C20566A-12PVXE	130	5.25	96	80	0
SP483JAAAL	R	104407	R3	CY8C20566A-12PVXE	130	5.25	96	80	0
SP483JBCLL	JT	104802	R2	CY14B101KA-SP45XI	130	3.3	128	79	0
SP483JBCLL	JT	104810	R2	CY14B101KA-SP45XI	130	3.3	128	79	0
SP483JABLL	JT	105201	R1	CY8C29666-12PVXE	130	5.25	96	80	0
SP483JABLL	JT	105201	R2	CY8C21645-12PVXE	130	5.25	96	80	0
SP483JABAL	JT	105201	R3	CY8C20566A-12PVXE	130	5.25	96	80	0
SP483JABLL	JT	105205	R1	CY8C29666-12PVXE	130	5.25	96	80	0
SP483JABLL	JT	105205	R2	CY8C21645-12PVXE	130	5.25	96	80	0
SP483JABAL	JT	105205	R3	CY8C20566A-12PVXE	130	5.25	96	80	0



SP483EBBAL	R	MR111004	R1	CY8C29666-24PVXIT	130	5.25	128	30	0
SP483FBKGN	RA	MR112011	R1	CY8C20536A-24PVXIT	130	5.75	128	29	0
SP282ABBGN	RA	MR111008	R1	CY8C21534-24PVXIT	130	5.25	128	30	0
SP2822BGL	M	MR111057	R1	CY8C21534-24PVXAT	130	5.25	96	30	0
SP28214GL	T	MR113052	R1	CY8C21534-24PVXI	130	5.25	128	30	0
SP28213GL	T	111402	R1	CY8C29466-24PVXI	130	5.25	128	80	0
SP28213GL	T	111402	R2	CY8C29466-24PVXI	130	5.25	128	80	0
Summary for Package Family: SSOP (Pb-Free)			18	records				118	0
Sum								7	
TQFP									
A64IBAABL	JT	110901	R1	CY7C144-25AC	130	5.5	128	80	0
Summary for Package Family: TQFP			1	records					
Sum								80	0
TQFP (Pb-Free)									
AZ100RVLN	JT	111803	R1	CY7C68320C-100AXA	130	3.63	96	80	0
AZ100RVLN	JT	111803	R2	CY7C68320C-100AXA	130	3.65	96	80	0
AZ100RVLN	JT	111803	R3	CY7C68320C-100AXA	130	3.65	96	80	0
AZ100SFKAL	RA	112302	R1A	CY8C5568AXI-060	130	5.5	128	40	0
Summary for Package Family: TQFP (Pb-Free)			4	records					
Sum								280	0
TSOP I (Pb-Free)									
ZB32RHBLN	JT	105203	R1	CY62148ESL	130	3.6	96	80	0
ZB32RHABL	JT	105203	R2	CY62138FV30LL	130	3.6	96	80	0
ZB32RHABL	JT	105203	R3	CY62128ELL	130	3.6	96	80	0
ZB32RHBLN	JT	105211	R1	CY62148ESL	130	3.6	96	80	0
ZB32RHABL	JT	105211	R2	CY62138FV30LL	130	3.6	96	80	0
ZB32RHABL	JT	105211	R3	CY62128ELL	130	3.6	96	80	0
ZT28R2BBLN	R	MR104059	R1	CG6718AM	130	3.63	128	30	0
ZT28R4BGL	R	MR104063	R1	CY7C1399BNL-12ZXC	130	3.3	128	30	0



ZT28R2BBLN	R	MR111017	R1	CY62256NLL-55ZXIT	130	5.5	128	30	0
ZT32RAEDLN	RA	MR111018	R1	CY62128EV30LL-45ZXI	130	3.6	128	29	0
ZB32RKALL	T	MR111069	R1	CY62128EV30LL-45ZAXI	130	3.6	128	27	0
ZB32RKALL	T	MR112006	R1	CY62128EV30LL-45ZAXI	130	3.6	128	30	0
Summary for Package Family: TSOP I (Pb-Free)			12	records				656	0
Sum								656	0
TSOP II (Pb-Free)									
ZW444YBCLL	JT	104814	R1	CY7C1041BN-15ZXI	130	5.5	128	77	0
ZW444AICLL	JT	104814	R2	CY7C1021DV33-10ZSXI	130	3.65	128	77	0
ZW444AKCLN	R	104907	R1	CY7C1041CV33	130	3.65	96	100	0
ZW444AKCLN	R	104907	R2	CY7C1041CV33	130	3.65	96	100	0
ZW444AKCLN	R	104907	R3	CY7C1041CV33	130	3.65	96	99	0
ZW444AKDLN	JT	111410	R1	7A134101FC	130	3.6	96	80	0
ZW444AHILL	JT	111410	R2	7A62126FC	130	3.6	96	80	0
ZW444AHILL	JT	111410	R3	7A62126FC	130	3.6	96	80	0
ZW44AAAAGL	RA	MR112046	R1	CY62147EV30LL-45ZSXIT	130	3.6	128	30	0
ZW444YBLL	R	MR113006	R1	CY7C1041BN-15ZXIT	130	3.65	128	30	0
ZW444ALLR	G	MR113047	R1	CY7C1051DV33-10ZSXI	130	3.65	128	30	0
Summary for Package Family: TSOP II (Pb-Free)			11	records				783	0
Sum								783	0
TSSOP (Pb-Free)									
ZZ1620GBAN	RA	MR111029	R1	CY22393FXCT	130	3.63	128	30	0
Summary for Package Family: TSSOP (Pb-Free)			1	records				30	0
Sum								30	0
VFBGA (0.75-0.8, 0.3mm, Pb-Free)									
BZ48CNAALL	G	103206	R1	CY7C62162DK	110	3.6	264	49	0
BZ48CNAALL	G	103206	R2	CY62162DK	110	3.6	264	50	0
BZ48RMAALL	RA	104406	R4	CY7C1061DV33-10BVXI	110	3.65	264	80	0
BZ48ZBAALL	RA	111701	R3B	CY621675EV30LL-45BVXI	110	3.6	264	79	0



BZ48ZBAALL	RA	111605	R1	CY621675EV30LL-45BVXI	130	3.6	264	80	0
BZ48ADAALL	G	MR104051	R1	CY62127DV30LL-55BVXI	110	3.6	264	30	0
BZ48CQAALL	G	MR111065	R1	CY62136FV30LL-45BVXI	130	3.6	264	30	0
BZ48CFAALL	G	MR113007	R1	CY62157EV30LL-45BVXIT	110	5.5	264	30	0
Summary for Package Family: VFBGA (0.75-0.8, 0.3mm, Pb-Free)			8	records				428	0
Sum									



Summary Detail -- HTS Performance Over Time

BUILDKIT	ASSY SITE	EVALNUM	TV	DEVICE	TEMP	VOLT	READOUT	SS	REJECT	FA	COMMENTS
FBGA (0.75-0.8, 0.3mm, Pb-free)											
BK48PAALL	RA	104107	R1	CY14V104LA-BA45XIES	150	0	1000	77	0		
BK121AGAGL	RA	110501	R1	7C07101B	150	0	500	82	0		
BK121AGAGL	RA	110501	R1	7C07101B	150	0	1000	82	0		
BK48DJALL	G	MR104065	R1	CY62177DV30LL-55BAXI	150	0	1000	30	0		
BK48ACAALL	AT	MR104083	R1	CY7C67200-48BAXI	150	0	500	30	0		
BK48ACAALL	AT	MR104083	R1	CY7C67200-48BAXI	150	0	1000	30	0		
BK48CPBGL	G	MR111028	R1	CY7C67200-48BAXIT	150	0	500	30	0		
BK48CPBGL	G	MR111028	R1	CY7C67200-48BAXIT	150	0	1000	30	0		
BK48DJALL	G	MR112036	R1	CY62177DV30LL-55BAXI	150	0	500	30	0		
BK48DJALL	G	MR112036	R1	CY62177DV30LL-55BAXI	150	0	1000	30	0		
Summary for Package Family: FBGA (0.75-0.8, 0.3mm, Pb-free)			10	records							
Sum								451	0		
FBGA (1.0-1.27)											
BB165GABLE	RA	MR104057	R1	CY7C1518KV18-333BZC	150	0	500	30	0		
BB165GABLE	RA	MR104057	R1	CY7C1518KV18-333BZC	150	0	1000	30	0		
BB165UALE	G	MR104058	R1	CY7C1512AV18-200BZC	150	0	500	30	0		
BB165UALE	G	MR104058	R1	CY7C1512AV18-200BZC	150	0	1000	26	0		
BB165AHLE	G	MR112063	R1	CY7C1420SV18-250BZC	150	0	500	30	0		
BB165AHLE	G	MR112063	R1	CY7C1420SV18-250BZC	150	0	1000	30	0		
BB165UALE	G	MR111072	R1	CG6607BT	150	0	500	30	0		
BB165UALE	G	MR111072	R1	CG6607BT	150	0	1000	29	0		
Summary for Package Family: FBGA (1.0-1.27)			8	records							
Sum								235	0		
FBGA (1.0-1.27, Pb-free)											



BW209FAALL	GQ	102201	R3	7C4S1472AO	150	0	500	77	0
BW209FAALL	GQ	102201	R3	7C4S1472AO	150	0	1000	77	0
BW209FAALL	GQ	102201	R3	7C4S1472AO	150	0	1500	77	0
BW209DALL	GQ	102505	R1	CYF0072V33L-150BGXIES	150	0	1500	80	0
BW209FAALL	GQ	102505	R3	7C4S1472AO-	150	0	500	77	0
BW209FAALL	GQ	102505	R3	7C4S1472AO-	150	0	1000	77	0
BW165DBALE	GQ	104601	R1	CY7C1514KV18-300BZC	150	0	1500	77	0
BW165DBALE	GQ	110402	R2	CY7C1514KV18-300BZC	150	0	1500	77	0
BW165GAALL	RA	MR112045	R1	CY7C1512KV18-250BZXC	150	0	500	30	0
BW165GAALL	RA	MR112045	R1	CY7C1512KV18-250BZXC	150	0	1000	30	0
BW165GAALL	RA	MR113018	R1	CY7C1512KV18-250BZXI	150	0	500	30	0
BW165GAALL	RA	MR113018	R1	CY7C1512KV18-250BZXI	150	0	1000	30	0
BW165RJALL	RA	MR113074	R1	CY7C1412KV18-250BZXI	150	0	500	30	0
BW165RJALL	RA	MR113074	R1	CY7C1412KV18-250BZXI	150	0	1000	30	0

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

14 records

Sum

799 0

FLIPCHIP CSP (Pb-Free)

FNDXIT	AU	112201	R1	7C071011C	150	0	500	79	0
FNDXIT	AU	112201	R1	7C071011C	150	0	1000	77	0
FN81AGAN	AU	MR112068	R1	CYWB0124ABX-FDXI	150	0	500	30	0
FN81AGAN	AU	MR112068	R1	CYWB0124ABX-FDXI	150	0	1000	30	0
FN81AAKRC	GQ	MR112069	R1	CYWB0124ABX-FDXI	150	0	500	30	0
FN81AAKRC	GQ	MR112069	R1	CYWB0124ABX-FDXI	150	0	1000	30	0
FN49	AU	113211	R0	8C20324DC	150	0	500	80	0
FN49	AU	113211	R3	CY8CTMA340-FN1-09	150	0	500	79	0

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

8 records

Sum

435 0

PBGA (Cavity/Heat Sink)



BL256L2GE	G	MR104082	R1	CYW15G0403DXB-BGI	150	0	500	30	0
BL256L2GE	G	MR104082	R1	CYW15G0403DXB-BGI	150	0	1000	30	0
BL256L2GE	G	MR111039	R1	CYP15G0401DXB-BGC	150	0	500	30	0
BL256L2GE	G	MR111039	R1	CYP15G0401DXB-BGC	150	0	1000	30	0

Summary for Package Family: PBGA (Cavity/Heat Sink) 4 records

Sum 120 0

PDIP (Pb-Free)

PZ286EAAGN	X	MR112049	R1	CY62256NLL-70PXC	150	0	500	30	0
PZ286EAAGN	X	MR112049	R1	CY62256NLL-70PXC	150	0	1000	30	0
PZ243AAAGN	X	MR113012	R1	CY7C63743C-PXC	150	0	500	30	0
PZ243AAAGN	X	MR113012	R1	CY7C63743C-PXC	150	0	1000	30	0
PZ183DPBGN	RA	MR111054	R1	CS6632AF	150	0	500	30	0
PZ183DPBGN	RA	MR111054	R1	CS6632AF	150	0	1000	30	0

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

Sum 180 0

PGA

BL256L2GE	G	MR104082	R1	CYW15G0403DXB-BGI	150	0	500	30	0
BL256L2GE	G	MR104082	R1	CYW15G0403DXB-BGI	150	0	1000	30	0
BL256L2GE	G	MR111039	R1	CYP15G0401DXB-BGC	150	0	500	30	0
BL256L2GE	G	MR111039	R1	CYP15G0401DXB-BGC	150	0	1000	30	0

Summary for Package Family: PGA 4 records

Sum 120 0

PLCC (Pb-Free)

JZ32RBGAN	M	MR112030	R1	CY7B991V-2JXCT	150	0	500	30	0
JZ32RBGAN	M	MR112030	R1	CY7B991V-2JXCT	150	0	1000	30	0
JZ32RBGAN	M	MR113005	R1	CY7B991V-5JXC	150	0	500	30	0
JZ32RBGAN	M	MR113005	R1	CY7B991V-5JXC	150	0	1000	30	0
JZ52SGGAAN	M	113405	R1	CY7C136E-55JXC	150	0	500	79	0



JZ52SGGAAN	M	113405	R1	CY7C136E-55JXC	150	0	1000	80	0
JZ52SGGAAN	M	113405	R1	CY7C136E-55JXC	150	0	1500	80	0
Summary for Package Family: PLCC (Pb-Free)			7	records				359	0
Sum								359	0
PQFP (Pb-free)									
NZ52DXGAN	G	MR104060	R1	CY7C136-55NXCT	150	0	1000	30	0
NZ52DXGAN	G	MR112060	R1	CY7C136-55NXCT	150	0	500	30	0
NZ52DXGAN	G	MR112060	R1	CY7C136-55NXCT	150	0	1000	30	0
NZ52EAALL	M	113405	R3	CY7C136E-55JXC	150	0	500	80	0
NZ52EAALL	M	113405	R3	CY7C136E-55JXC	150	0	1000	80	0
Summary for Package Family: PQFP (Pb-free)			5	records				250	0
Sum								250	0
QFN (COL, 0.6mm, Saw Type, Pb-free)									
LG16AQAAL	G	112603	R1	CY8C20236A-24LKXI	150	0	500	80	0
LG16ABAALL	L	113302	R1	CY8C20236A-24LKXA	150	0	1000	80	0
LG16AAAAL	MB	MR104048	R1	CY8C20236A-24LKXIT	150	0	1000	30	0
LG16AAAAL	MB	MR111011	R1	CY8C20236A-24LKXIT	150	0	500	30	0
LG16AAAAL	MB	MR111011	R1	CY8C20236A-24LKXIT	150	0	1000	30	0
LG16AAAAL	MB	MR112021	R1	CY8C20236A-24LKXIT	150	0	500	30	0
LG16AAAAL	MB	MR112021	R1	CY8C20236A-24LKXIT	150	0	1000	30	0
LG16ABAALL	L	NR111001	R1	CY8C20236A-24LKXIKL	150	0	500	30	0
LG16ABAALL	L	NR111001	R1	CY8C20236A-24LKXIKL	150	0	1000	30	0
LG16ABAALL	L	NR111001	R2	CY8C20236A-24LKXIKL	150	0	500	30	0
LG16ABAALL	L	NR111001	R2	CY8C20236A-24LKXIKL	150	0	1000	30	0
LG16ABAALL	L	NR111001	R3	CY8C20236A-24LKXIKL	150	0	500	30	0
LG16ABAALL	L	NR111001	R3	CY8C20236A-24LKXIKL	150	0	1000	30	0
LG16AAAAL	MB	NR111002	R1	CY8C20236A-24LKXI	150	0	500	30	0
LG16AAAAL	MB	NR111002	R1	CY8C20236A-24LKXI	150	0	1000	30	0
LG16AAAAL	MB	NR111002	R2	CY8C20236A-24LKXI	150	0	500	30	0



LG16AAAAL	MB	NR111002	R2	CY8C20236A-24LKXI	150	0	1000	30	0
LG16AAAAL	MB	NR111002	R3	CY8C20236A-24LKXI	150	0	500	30	0
LG16AAAAL	MB	NR111002	R3	CY8C20236A-24LKXI	150	0	1000	30	0

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

Sum **19 records** **670** **0**

QFN (Punch Type, Pb-Free)

LY68AGABGL	L	MR104036	R1	CS6656AAT	150	0	1000	30	0
LY48EGAGL	L	MR104047	R1	CYWUSB6953-48LFXC	150	0	1000	30	0
LY40CGAGR	L	MR111027	R1	CYRF69213-40LFXC	150	0	500	30	0
LY40CGAGR	L	MR111027	R1	CYRF69213-40LFXC	150	0	1000	30	0
LY56DGAGL	L	MR111040	R1	CY8C24894-24LFXIT	150	0	500	30	0
LY56DGAGL	L	MR111040	R1	CY8C24894-24LFXIT	150	0	1000	30	0
LY40CGAGR	L	MR112018	R1	CYRF69213-40LFXC	150	0	500	30	0
LY40CGAGR	L	MR112018	R1	CYRF69213-40LFXC	150	0	1000	30	0
LY24BGAGL	L	MR112059	R1	CY8C21323-24LFXIT	150	0	500	30	0
LY24BGAGL	L	MR112059	R1	CY8C21323-24LFXIT	150	0	1000	30	0

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

Sum **10 records** **300** **0**

QFN (Saw Type, Pb-Free)

LQ56ABAAAL	MB	110707	R1	CY8C24794-24LQXI	150	0	500	80	0
LQ56ABAAAL	MB	110707	R1	CY8C24794-24LQXI	150	0	1000	80	0
LT32BBAAAL	G	111812	R2	CY7C60323-LTXC	150	0	500	80	0
LT32BBAAAL	G	111812	R2	CY7C60323-LTXC	150	0	1000	80	0
LT68YAAAAL	G	111816	R2	CY8CLED04-68LTXI	150	0	500	80	0
LT68YAAAAL	G	111816	R2	CY8CLED04-68LTXI	150	0	1000	80	0
LT88AAAAAL	RA	113002	R1B	CY8CTMA884LTI-13ES	150	0	500	77	0
LT88AAAAAL	RA	113002	R1B	CY8CTMA884LTI-13ES	150	0	1000	77	0



LT88ABAAAL	L	113802	R9	CY8CTMA884LTI-13	150	0	500	77	0
LT88ABAAAL	L	113802	R9	CY8CTMA884LTI-13	150	0	1000	77	0
LQ24ACAAL	AT	MR103051	R1	CY7C68003-24LQXIT	150	0	1000	30	0
LQ32CCAAL	CA	MR104033	R1	CP7203CTT	150	0	1000	30	0
LT48ABBAAL	MB	MR104045	R1	CP7245BT	150	0	1000	30	0
LT32BAAAGL	CA	MR104067	R1	CY8C24423A-24LTXI	150	0	1000	30	0
LQ24ABAAL	AT	MR111001	R1	CP7262ATT	150	0	500	30	0
LQ24ABAAL	AT	MR111001	R1	CP7262ATT	150	0	1000	30	0
LQ24ABAAL	AT	MR111002	R1	CP7262ATT	150	0	500	30	0
LQ24ABAAL	AT	MR111002	R1	CP7262ATT	150	0	1000	30	0
LQ36ABAAAL	RA	MR111009	R1	CY8CTMA340-LQI-01T	150	0	500	30	0
LQ36ABAAAL	RA	MR111009	R1	CY8CTMA340-LQI-01T	150	0	1000	30	0
LT48ACBAAL	MB	MR111033	R1	CY8C27643-24LTXIT	150	0	500	30	0
LT48ACBAAL	MB	MR111033	R1	CY8C27643-24LTXIT	150	0	1000	30	0
LT32BAAAGL	CA	MR111044	R1	CY8C21434-24LTXI	150	0	500	29	0
LT32BAAAGL	CA	MR111044	R1	CY8C21434-24LTXI	150	0	1000	28	0
LQ36AAAAAN	MB	MR111045	R1	CY8CTMA3405-LQI-01	150	0	500	30	0
LQ36AAAAAN	MB	MR111045	R1	CY8CTMA3405-LQI-01	150	0	1000	30	0
LT48ABBAAL	MB	MR112022	R1	CP7245BT	150	0	500	30	0
LT48ABBAAL	MB	MR112022	R1	CP7245BT	150	0	1000	30	0
LQ32EPDAGL	RA	MR112023	R1	CY8C20446A-24LQXIT	150	0	500	30	0
LQ32EPDAGL	RA	MR112023	R1	CY8C20446A-24LQXIT	150	0	1000	30	0
LT56BDAAGL	AE	MR112027	R1	CY7C64215-56LTXC	150	0	500	30	0
LT56BDAAGL	AE	MR112027	R1	CY7C64215-56LTXC	150	0	1000	30	0
LQ48AAAAAL	R	MR113039	R1	CY8CTMA340-48LQI-01	150	0	500	30	0
LQ48AAAAAL	R	MR113039	R1	CY8CTMA340-48LQI-01	150	0	1000	30	0
LT32BAABGL	RA	MR111034	R1	CY8C21434-24LTXIT	150	0	500	30	0
LT32BAABGL	RA	MR111034	R1	CY8C21434-24LTXIT	150	0	1000	28	0
LQ24AAAAAL	RA	MR111042	R1	CY8C20324-12LQXI	150	0	500	30	0



LQ24AAAAAL	RA	MR111042	R1	CY8C20324-12LQXI	150	0	1000	21	0
LT32BAAAGL	CA	MR112014	R1	CY8C21434-24LTXI	150	0	500	30	0
LT32BAAAGL	CA	MR112014	R1	CY8C21434-24LTXI	150	0	1000	29	0
LQ32DAGLL	CA	MR112017	R1	CY8C20446A-24LQXIT	150	0	500	30	0
LQ32DAGLL	CA	MR112017	R1	CY8C20446A-24LQXIT	150	0	1000	30	0
LQ32DAGLL	CA	MR113038	R1	CY8C20446A-24LQXIT	150	0	500	30	0
LQ32DAGLL	CA	MR113038	R1	CY8C20446A-24LQXIT	150	0	1000	30	0
LQ48AAAAAL	RA	113211	R1	CY8CTMA340-48LQI-09	150	0	500	80	0

Summary for Package Family: QFN (Saw Type, Pb-Free) 45 records

Sum 1873 0

QSOP (Pb-Free)

SQ2414ABGN	R	MR111076	R1	CY7C63743C-QXC	150	0	500	30	0
SQ2414ABGN	R	MR111076	R1	CY7C63743C-QXC	150	0	1000	30	0

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

Sum 60 0

SNC (Pb-Free)

SY2831BCLN	JT	104811	R1	CY62256NLL-70SNXC	150	0	500	80	0
SY2831BCLN	JT	104811	R1	CY62256NLL-70SNXC	150	0	1000	80	0
SY2831BHN	JT	105208	R1	CY62256NLL-70SNXA	150	0	1000	77	0
SY2831BHN	JT	105209	R1	CY62256NLL-70SNXA	150	0	1000	77	0
SY2831BHN	JT	111401	R4	CY62256NLL-70SNXA	150	0	1000	77	0
SY2831BBLN	R	MR112034	R1	CY62256NLL-55SNXI	150	0	500	30	0
SY2831BBLN	R	MR112034	R1	CY62256NLL-55SNXI	150	0	1000	30	0
SY2831BBLN	R	MR113001	R1	CG6715AMT	150	0	500	30	0
SY2831BBLN	R	MR113001	R1	CG6715AMT	150	0	1000	30	0

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

Sum 511 0

SOIC



S1615KDAGN	RA	MR111051	R1	CY2309SC-1H	150	0	500	30	0
S1615KDAGN	RA	MR111051	R1	CY2309SC-1H	150	0	1000	30	0
Summary for Package Family:			2	records					
SOIC								60	0
Sum									
SOIC (Pb Free)									
SZ815WAGN	M	103507	R2	CY14B101Q2A-SXI	150	0	500	77	0
SZ815WAGN	M	103507	R2	CY14B101Q2A-SXI	150	0	1000	77	0
SZ815YAALN	RA	103902	R1	CY14B101Q2A-SXI	150	0	1000	79	0
SZ815YAALN	RA	103902	R1	CY14B101Q2A-SXI	150	0	1500	79	0
SZ32457LN	R	110708	R1	7A62128KC	150	0	1000	76	0
SZ32451ALL	JT	110902	R1	CY62148BNLL-70SXI	150	0	500	80	0
SZ32451ALL	JT	110902	R1	CY62148BNLL-70SXI	150	0	1000	80	0
SZ324513AN	JT	111411	R1	7A62128ZHC	150	0	1000	80	0
SZ324513AN	JT	111411	R2A	CY62128BNLL-70SXA	150	0	1000	100	0
SZ324513AN	JT	111412	R1	CY62128BNLL-70SXA	150	0	1000	100	0
SZ32457ALN	JT	111412	R2	CY62128ELL-55ZAXE	150	0	1000	100	0
SZ32457ALN	JT	111412	R3	CY62128ELL-55ZAXE	150	0	1000	100	0
SZ324513BN	R	MR104020	R1	CY62128BNLL-55SXIT	150	0	1000	30	0
SZ1615FAL	T	MR104069	R1	CY8C20160-SX2IT	150	0	1000	30	0
SZ28327BGL	R	MR104070	R1	CY8C21345-24SXI	150	0	500	30	0
SZ28327BGL	R	MR104070	R1	CY8C21345-24SXI	150	0	1000	30	0
SZ28327BGL	R	MR111003	R1	CY8C27443-24SXIT	150	0	500	30	0
SZ28327BGL	R	MR111003	R1	CY8C27443-24SXIT	150	0	1000	30	0
SZ24315EGN	RA	MR111006	R1	CY7C63743C-SXCT	150	0	500	30	0
SZ24315EGN	RA	MR111006	R1	CY7C63743C-SXCT	150	0	1000	30	0
SZ815PAEGN	RA	MR111030	R1	CY2305SXC-1HT	150	0	500	30	0
SZ815PAEGN	RA	MR111030	R1	CY2305SXC-1HT	150	0	1000	30	0
SZ323ACAGR	M	MR111038	R1	STK14C88-3NF45TR	150	0	500	29	0
SZ323ACAGR	M	MR111038	R1	STK14C88-3NF45TR	150	0	1000	28	0



SZ1615FAL	T	MR111046	R1	CY2309CSXC-1	150	0	500	30	0
SZ1615FAL	T	MR111046	R1	CY2309CSXC-1	150	0	1000	30	0
SZ815CGAN	M	MR111053	R1	CY8C24123A-24SXI	150	0	500	30	0
SZ815CGAN	M	MR111053	R1	CY8C24123A-24SXI	150	0	1000	30	0
SZ28327BGL	R	MR111055	R1	CY8C27443-24SXIT	150	0	500	30	0
SZ28327BGL	R	MR111055	R1	CY8C27443-24SXIT	150	0	1000	30	0
SZ324513N	R	MR111064	R1	CY62128BNLL-70SXET	150	0	1000	30	0
SZ1615KDBGN	RA	MR112010	R1	CY2292FXC	150	0	500	30	0
SZ1615KDBGN	RA	MR112010	R1	CY2292FXC	150	0	1000	30	0
SZ323AEGAS	M	MR112031	R1	CY14B256LA-SZ45XIT	150	0	500	30	0
SZ323AEGAS	M	MR112031	R1	CY14B256LA-SZ45XIT	150	0	1000	30	0
SZ24315EGN	RA	MR112032	R1	CY7C63743C-SXC	150	0	500	30	0
SZ24315EGN	RA	MR112032	R1	CY7C63743C-SXC	150	0	1000	28	0
SZ324513N	R	MR112035	R1	CY62128BNLL-70SXET	150	0	1000	30	0
SZ815PAEGN	RA	MR114001	R1	CY2305SXI-1H	150	0	500	30	0
SZ815PAEGN	RA	MR114001	R1	CY2305SXI-1H	150	0	1000	30	0
SZ323ABAGS	M	MR101047	R1	CY14B101L-SZ45XC	150	0	500	28	0
SZ323ABAGS	M	MR101047	R1	CY14B101L-SZ45XC	150	0	1000	28	0
SZ0815TAGN	T	111403	R1	CY25402SXC-007	150	0	500	80	0
SZ0815TAGN	T	111403	R1	CY25402SXC-007	150	0	1000	80	0

Summary for Package Family: SOIC (Pb Free)

44 records

Sum

2079 0

SOJ

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

Summary for Package Family: SOJ

4 records

Sum

220 0



SOJ (Pb-Free)

VZ32422CLL	JT	104805	R1	CY7C1046D-10VXI	150	0	500	77	0
VZ32422CLL	JT	104805	R1	CY7C1046D-10VXI	150	0	1000	77	0
VZ28311LLL	JT	105206	R1	CY7C199CN	150	0	1000	77	0
VZ28311LLL	JT	105207	R1	CY7C199CN	150	0	1000	77	0
VZ444YBLL	JT	111804	R1	7A134101FC	150	0	1000	80	0
VZ2847AAAR	O	MR103054	R1	CY7C106D-10VXI	150	0	1000	30	0
VZ2847AAAR	OP	MR104080	R1	CY7C107D-10VXI	150	0	500	30	0
VZ2847AAAR	OP	MR104080	R1	CY7C107D-10VXI	150	0	1000	30	0
VZ32314BLL	R	MR111050	R1	CY7C1018DV33-10VXIT	150	0	500	30	0
VZ32314BLL	R	MR111050	R1	CY7C1018DV33-10VXIT	150	0	1000	30	0
VZ2847AAAR	OP	MR111047	R1	CY7C107D-10VXI	150	0	500	30	0
VZ2847AAAR	OP	MR111047	R1	CY7C107D-10VXI	150	0	1000	30	0
VZ444ACBLN	R	MR112008	R1	CY7C1021DV33-10VXI	150	0	500	30	0
VZ444ACBLN	R	MR112008	R1	CY7C1021DV33-10VXI	150	0	1000	30	0

Summary for Package Family: SOJ (Pb-Free)

14 records

Sum

658 0

SSOP (Pb-Free)

SP483JAAAL	R	104407	R1	CY8C20566A-12PVXE	150	0	1000	80	0
SP483JBCLL	JT	104802	R2	CY14B101KA-SP45XI	150	0	500	80	0
SP483JBCLL	JT	104802	R2	CY14B101KA-SP45XI	150	0	1000	80	0
SP483JABLL	JT	105201	R1	CY8C29666-12PVXE	150	0	1000	80	0
SP483JABLL	JT	105205	R1	CY8C29666-12PVXE	150	0	1000	80	0
SP483HAAGR	M	MR104061	R1A	CY14B101L-SP35XI	150	0	500	30	0
SP483HAAGR	M	MR104061	R1A	CY14B101L-SP35XI	150	0	1000	30	0
SP483EBBAL	R	MR111004	R1	CY8C29666-24PVXIT	150	0	500	30	0
SP483EBBAL	R	MR111004	R1	CY8C29666-24PVXIT	150	0	1000	30	0
SP2023GAL	T	MR111012	R1	CY8C21323-24PVXIT	150	0	500	30	0
SP2023GAL	T	MR111012	R1	CY8C21323-24PVXIT	150	0	1000	30	0



SP483FBKGN	RA	MR112011	R1	CY8C20536A-24PVXIT	150	0	500	30	0
SP483FBKGN	RA	MR112011	R1	CY8C20536A-24PVXIT	150	0	1000	30	0
SP28214GL	T	MR113052	R1	CY8C21534-24PVXI	150	0	500	30	0
SP28214GL	T	MR113052	R1	CY8C21534-24PVXI	150	0	1000	30	0
SP282ABBGN	RA	MR111008	R1	CY8C21534-24PVXIT	150	0	500	30	0
SP282ABBGN	RA	MR111008	R1	CY8C21534-24PVXIT	150	0	1000	17	0
SP28213GL	T	111402	R1	CY8C29466-24PVXI	150	0	500	80	0
SP28213GL	T	111402	R1	CY8C29466-24PVXI	150	0	1000	80	0
Summary for Package Family: SSOP (Pb-Free)			19	records					
Sum								907	0
TQFP									
A64IBAABL	JT	110901	R1	CY7C144-25AC	150	0	500	80	0
A64IBAABL	JT	110901	R1	CY7C144-25AC	150	0	1000	80	0
A144AAAAGE	Q	MR104066	R1	CY7C09579V-100AC	150	0	1000	30	0
Summary for Package Family: TQFP			3	records					
Sum								190	0
TQFP (Pb-Free)									
AZ100RVLN	JT	111803	R1	CY7C68320C-100AXA	150	0	1000	80	0
AZ100SFHAL	JT	111817	R1	CY8C5588AXI-060ES1	150	0	500	77	0
AZ100SFHAL	JT	111817	R1	CY8C5588AXI-060ES1	150	0	1000	77	0
AZ32GXGAN	G	MR104031	R1	CY29940AXCT	150	0	500	30	0
AZ32GXGAN	G	MR104031	R1	CY29940AXCT	150	0	1000	30	0
AZ32LXGAN	Q	MR111025	R1	CY29946AXI	150	0	500	30	0
AZ32LXGAN	Q	MR111025	R1	CY29946AXI	150	0	1000	30	0
AZ32GXGAN	G	MR111026	R1	CY29940AXC	150	0	500	30	0
AZ32GXGAN	G	MR111026	R1	CY29940AXC	150	0	1000	30	0
AZ160SBGAL	G	MR112037	R1	CY37256P160-83AXC	150	0	500	30	0
AZ160SBGAL	G	MR112037	R1	CY37256P160-83AXC	150	0	1000	30	0
AZ32BXGAN	Q	MR112077	R1	CY7C4201V-15AXC	150	0	500	30	0



AZ32BXGAN	Q	MR112077	R1	CY7C4201V-15AXC	150	0	1000	30	0
AZ44SGBGAN	R	MR111005	R1	CY8C29566-24AXI	150	0	500	30	0
AZ44SGBGAN	R	MR111005	R1	CY8C29566-24AXI	150	0	1000	30	0
AZ44DGAGL	Q	MR112058	R1	CY7B995AXIT	150	0	500	30	0
AZ44DGAGL	Q	MR112058	R1	CY7B995AXIT	150	0	1000	30	0
AZ32GXGAN	G	MR113046	R1	CY29940AXIT	150	0	500	30	0
AZ100SFKAL	RA	112302	R1	CY8C5568AXI-060	150	0	500	77	0
AZ100SFKAL	RA	112302	R1	CY8C5568AXI-060	150	0	1000	77	0

Summary for Package Family: TQFP (Pb-Free)

20 records

Sum

838 0

TSOP I (Pb-Free)

ZT28R2ABGN	JT	105202	R1	CY62256VLL	165	0	1000	80	0
ZB32RHBLN	JT	105203	R1	CY62148ESL	150	0	1000	80	0
ZT28R2ABGN	JT	105210	R1	CY62256VLL	165	0	1000	80	0
ZB32RHBLN	JT	105211	R1	CY62148ESL	150	0	1000	80	0
ZT28R2BBLN	R	MR104059	R1	CG6718AM	150	0	1000	30	0
ZT28R4BGL	R	MR104063	R1	CY7C1399BNL-12ZXC	150	0	500	30	0
ZT28R4BGL	R	MR104063	R1	CY7C1399BNL-12ZXC	150	0	1000	30	0
ZT28R2BBLN	R	MR111017	R1	CY62256NLL-55ZXIT	150	0	500	30	0
ZT28R2BBLN	R	MR111017	R1	CY62256NLL-55ZXIT	150	0	1000	30	0
ZT32RAEDLN	RA	MR111018	R1	CY62128EV30LL-45ZXI	150	0	500	30	0
ZT32RAEDLN	RA	MR111018	R1	CY62128EV30LL-45ZXI	150	0	1000	30	0
ZB32RKALL	T	MR111069	R1	CY62128EV30LL-45ZAXI	150	0	500	30	0
ZB32RKALL	T	MR111069	R1	CY62128EV30LL-45ZAXI	150	0	1000	30	0
ZB32RKALL	T	MR112006	R1	CY62128EV30LL-45ZAXI	150	0	500	30	0
ZB32RKALL	T	MR112006	R1	CY62128EV30LL-45ZAXI	150	0	1000	30	0

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

15 records

Sum

650 0

TSOP II (Pb-Free)



ZW444AKCLN	R	104907	R1	CY7C1041CV33	150	0	1000	100	0
ZW444AKDLN	JT	111410	R1	7A134101FC	150	0	1000	80	0
ZW444AHILL	JT	111410	R3	7A62126FC	150	0	1000	79	0
ZW54BGALL	G	MR112042	R1	CY7C1061DV33-10ZSXI	150	0	500	30	0
ZW54BGALL	G	MR112042	R1	CY7C1061DV33-10ZSXI	150	0	1000	30	0
ZW44AAAAGL	RA	MR112046	R1	CY62147EV30LL-45ZSXIT	150	0	500	30	0
ZW44AAAAGL	RA	MR112046	R1	CY62147EV30LL-45ZSXIT	150	0	1000	30	0
ZW54BGALL	G	MR113032	R1	CY7C1061DV33-10ZSXIT	150	0	500	30	0
ZW54BGALL	G	MR113032	R1	CY7C1061DV33-10ZSXIT	150	0	1000	30	0
ZW444YBLL	R	MR113006	R1	CY7C1041BN-15ZXIT	150	0	500	30	0
ZW444YBLL	R	MR113006	R1	CY7C1041BN-15ZXIT	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
Summary for Package Family: TSOP II (Pb-Free)			13	records				559	0
Sum									
TSSOP (Pb-Free)									
ZZ2014BGN	T	MR104026	R1	CY25404ZXI-005T	150	0	1000	30	0
ZZ1620GBAN	RA	MR111029	R1	CY22393FXCT	150	0	500	30	0
ZZ1620GBAN	RA	MR111029	R1	CY22393FXCT	150	0	1000	30	0
ZZ2014BGN	T	MR111031	R1	CY25404ZXI-003T	150	0	500	30	0
ZZ2014BGN	T	MR111031	R1	CY25404ZXI-003T	150	0	1000	30	0
ZZ2014BGN	T	MR112047	R1	CY25404ZXI-003T	150	0	500	30	0
ZZ2014BGN	T	MR112047	R1	CY25404ZXI-003T	150	0	1000	29	0
ZZ1620GDAN	RA	MR113010	R1	CY24293ZXI	150	0	500	30	0
ZZ1620GDAN	RA	MR113010	R1	CY24293ZXI	150	0	1000	30	0
ZZ2014BGN	T	MR113053	R1	CY25404ZXI-003T	150	0	500	30	0
ZZ2014BGN	T	MR113053	R1	CY25404ZXI-003T	150	0	1000	30	0
ZZ1614HAN	T	111405	R1	CY23FS04ZXC	150	0	500	80	0
ZZ1614HAN	T	111405	R1	CY23FS04ZXC	150	0	1000	80	0



ZZ2014BGN	T	111408	R1	CYISM530AZXC	150	0	500	76	0
ZZ2014BGN	T	111408	R1	CYISM530AZXC	150	0	1000	76	0

Summary for Package Family: TSSOP (Pb-Free)

15 records

Sum

641 0

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

BZ100BABLL	RA	MR111037	R1	CYDM128B16-55BVXI	150	0	500	30	0
BZ100BABLL	RA	MR111037	R1	CYDM128B16-55BVXI	150	0	1000	30	0
BZ48CQAALL	G	MR111065	R1	CY62136FV30LL-45BVXI	150	0	500	30	0
BZ48CQAALL	G	MR111065	R1	CY62136FV30LL-45BVXI	150	0	1000	29	0
BZ48ABBLL	AT	MR111070	RI	CY62127DV30LL-55BVXIT	150	0	500	30	0
BZ48ABBLL	AT	MR111070	RI	CY62127DV30LL-55BVXIT	150	0	1000	30	0
BZ100HAALL	RA	MR112001	R1	CYWB0224ABS-BVXI	150	0	500	30	0
BZ100HAALL	RA	MR112001	R1	CYWB0224ABS-BVXI	150	0	1000	30	0
BZ48CMAALL	G	MR112039	R1	CY7C1021DV33-10BVXI	150	0	500	30	0
BZ48CMAALL	G	MR112039	R1	CY7C1021DV33-10BVXI	150	0	1000	30	0
BZ48ABCALL	AT	MR112064	R1	CY62126EV30LL-45BVXIT	150	0	500	30	0
BZ48ABCALL	AT	MR112064	R1	CY62126EV30LL-45BVXIT	150	0	1000	30	0
BZ48CFAALL	G	MR113007	R1	CY62157EV30LL-45BVXIT	150	0	500	30	0
BZ48CFAALL	G	MR113007	R1	CY62157EV30LL-45BVXIT	150	0	1000	27	0
BZ100HAALL	RA	MR113008	R1	CYWB0226ABS-BVXI	150	0	500	30	0
BZ100HAALL	RA	MR113008	R1	CYWB0226ABS-BVXI	150	0	1000	30	0

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

16 records

Sum

476 0



Summary Detail -- PCT Performance Over Time

BUILDKIT	ASSY SITE	EVALNUM	TV	DEVICE	TEMP	VOLT	READOUT	SS	REJECT	FA	COMMENTS
FBGA (0.75-0.8, 0.3mm, Pb-free)											
BK121AGAGL	RA	110501	R1	7C07101B	121	0	168	82	0		
BK121AGAGL	RA	110501	R1	7C07101B	121	0	288	82	0		
BK48DJALL	G	MR104065	R1	CY62177DV30LL-55BAXI	121	0	288	26	0		
BK48ACAALL	AT	MR104083	R1	CY7C67200-48BAXI	121	0	168	30	0		
BK48ACAALL	AT	MR104083	R1	CY7C67200-48BAXI	121	0	288	30	0		
BK48CPBGL	G	MR111028	R1	CY7C67200-48BAXIT	121	0	168	30	0		
BK48CPBGL	G	MR111028	R1	CY7C67200-48BAXIT	121	0	288	30	0		
BK48DJALL	G	MR112036	R1	CY62177DV30LL-55BAXI	121	0	168	30	0		
BK48DJALL	G	MR112036	R1	CY62177DV30LL-55BAXI	121	0	288	30	0		
Summary for Package Family: FBGA (0.75-0.8, 0.3mm, Pb-free)			9	records							
Sum								370	0		
FBGA (1.0-1.27)											
BB165DELLE	GQ	110402	R1	CY7C14141KV18	121	0	168	80	0		
BB165DELLE	GQ	110402	R1	CY7C14141KV18	121	0	288	80	0		
BB165GABLE	RA	MR104057	R1A	CY7C1518KV18-300BZC	121	0	168	30	0		
BB165GABLE	RA	MR104057	R1A	CY7C1518KV18-300BZC	121	0	288	30	0		
BB165UALE	G	MR104058	R1	CY7C1512AV18-200BZC	0	0	288	28	0		
BB165AHLE	G	MR112063	R1	CY7C1420SV18-250BZC	121	0	168	30	0		
BB165AHLE	G	MR112063	R1	CY7C1420SV18-250BZC	121	0	288	30	0		
BB165UALE	G	MR111072	R1	CG6607BT	121	0	168	27	0		
BB165UALE	G	MR111072	R1	CG6607BT	121	0	288	13	0		
Summary for Package Family: FBGA (1.0-1.27)			9	records							
Sum								348	0		



FBGA (1.0-1.27, Pb-free)

BW209FAALL	GQ	102201	R3	7C4S1472AO	121	0	168	75	0
BW209FAALL	GQ	102201	R3	7C4S1472AO	121	0	288	72	0
BW209FAALL	GQ	102505	R3	7C4S1472AO-	121	0	168	75	0
BW209FAALL	GQ	102505	R3	7C4S1472AO-	121	0	288	72	0
BW209FAALL	GQ	102505	R5	CYF0072V33L-133BGXI	121	0	168	75	0
BW209FAALL	GQ	102505	R5	CYF0072V33L-133BGXI	121	0	288	74	0
BW165GAALL	RA	104602	R1	CY7C1512KV18-300BZXC	121	0	96	77	0
BW165GAALL	RA	104602	R1	CY7C1512KV18-300BZXC	121	0	168	77	0
BW165GAALL	RA	MR112045	R1	CY7C1512KV18-250BZXC	121	0	168	26	0
BW165GAALL	RA	MR112045	R1	CY7C1512KV18-250BZXC	121	0	288	25	0
BW165GAALL	RA	MR113018	R1	CY7C1512KV18-250BZXI	121	0	168	30	0
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
BW165BUALL	G	113007	R1	CY7C1512KO	121	0	168	80	0
BW165BUALL	G	113007	R1	CY7C1512KO	121	0	288	80	0
BW165BUALL	G	113007	R2	CY7C1512KO	121	0	168	80	0
BW165BUALL	G	113007	R2	CY7C1512KO	121	0	288	80	0

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

18 records

Sum

1072 0

FLIPCHIP CSP (Pb-Free)

FN81AGAN	AU	MR112068	R1	CYWB0124ABX-FDXI	121	0	168	30	0
FN81AGAN	AU	MR112068	R1	CYWB0124ABX-FDXI	121	0	288	30	0
FN81AAKRCD	GQ	MR112069	R1	CYWB0124ABX-FDXI	121	0	168	30	0
FN81AAKRCD	GQ	MR112069	R1	CYWB0124ABX-FDXI	121	0	288	30	0
FN49	AU	113211	R0	8C20324DC	121	0	168	66	0
FN49ABAAAL	AU	113211	R1A	CY8CTMA300E-49FNXIT	121	0	168	73	0



FN49	AU	113211	R3	CY8CTMA340-FN1-09	121	0	168	62	0
FN49ABAAAL	AU	113211	R4	CP7457KTF	121	0	168	76	0
FN49ABDRCD	DT	114105	R1	CY8CTMA3405-FNI-09KD	121	0	96	87	0
Summary for Package Family: FLIPCHIP CSP (Pb-Free)			9	records					
Sum								484	0
PBGA (Cavity/Heat Sink)									
BL256L2GE	G	MR104082	R1	CYW15G0403DXB-BGI	121	0	168	30	0
BL256L2GE	G	MR104082	R1	CYW15G0403DXB-BGI	121	0	288	30	0
BL256L2GE	G	MR111039	R1	CYP15G0401DXB-BGC	121	0	168	30	0
BL256L2GE	G	MR111039	R1	CYP15G0401DXB-BGC	121	0	288	30	0
Summary for Package Family: PBGA (Cavity/Heat Sink)			4	records					
Sum								120	0
PBGA (Cavity/Heat Sink, Pb-free)									
BJ256L2GL	G	113003	R1	CYP15G0401DXB-BGXC	121	0	168	77	0
BJ256L2GL	G	113003	R1	CYP15G0401DXB-BGXC	121	0	288	77	0
BJ256L2GL	G	113003	R2	CYP15G0401DXB-BGXC	121	0	168	77	0
BJ256L2GL	G	113003	R2	CYP15G0401DXB-BGXC	121	0	288	77	0
Summary for Package Family: PBGA (Cavity/Heat Sink, Pb-free)			4	records					
Sum								308	0
PDIP (Pb-Free)									
PZ286EAAGN	X	MR112049	R1	CY62256NLL-70PXC	121	0	168	30	0
PZ286EAAGN	X	MR112049	R1	CY62256NLL-70PXC	121	0	288	30	0
PZ243AAAGN	X	MR113012	R1	CY7C63743C-PXC	121	0	168	30	0
PZ243AAAGN	X	MR113012	R1	CY7C63743C-PXC	121	0	288	30	0
PZ183DPBGN	RA	MR111054	R1	CS6632AF	121	0	168	30	0
PZ183DPBGN	RA	MR111054	R1	CS6632AF	121	0	288	30	0



Summary for Package Family: PDIP (Pb-Free)

6 records

Sum

180 0

PLCC (Pb-Free)

JZ32RBGAN	M	MR112030	R1	CY7B991V-2JXCT	121	0	168	30	0
JZ32RBGAN	M	MR112030	R1	CY7B991V-2JXCT	121	0	288	29	0
JZ32RBGAN	M	MR113005	R1	CY7B991V-5JXC	121	0	168	30	0
JZ32RBGAN	M	MR113005	R1	CY7B991V-5JXC	121	0	288	30	0
JZ52SGGAAN	M	113405	R1	CY7C136E-55JXC	121	0	168	80	0
JZ52SGGAAN	M	113405	R1	CY7C136E-55JXC	121	0	288	78	0

Summary for Package Family: PLCC (Pb-Free)

6 records

Sum

277 0

PQFP (Pb-free)

NZ52DXGAN	G	103104	R1	CY7C136-55NXC	121	0	168	30	0
NZ52DXGAN	G	103104	R1	CY7C136-55NXC	121	0	168	60	0
NZ52DXGAN	G	103104	R1	CY7C136-55NXC	121	0	288	60	0
NZ52DXGAN	G	103104	R1	CY7C136-55NXC	121	0	288	30	0
NZ52DXGAN	G	MR112060	R1	CY7C136-55NXCT	121	0	168	30	0
NZ52DXGAN	G	MR112060	R1	CY7C136-55NXCT	121	0	288	30	0
NZ52EAALL	M	113405	R3	CY7C136E-55JXC	121	0	168	77	0
NZ52EAALL	M	113405	R3	CY7C136E-55JXC	121	0	288	76	0

Summary for Package Family: PQFP (Pb-free)

8 records

Sum

393 0

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

LG16AQAAL	G	112603	R1	CY8C20236A-24LKXI	121	0	168	80	0
LG16ABAALL	L	113302	R1	CY8C20236A-24LKXA	121	0	96	80	0
LG16ABAALL	L	113302	R1	CY8C20236A-24LKXA	121	0	168	80	0
LG16ABAALL	L	113302	R2	CY8C20236A-24LKXA	121	0	96	78	0
LG16ABAALL	L	113302	R2	CY8C20236A-24LKXA	121	0	168	78	0
LG16ABAALL	L	113302	R3	CY8C20236A-24LKXA	121	0	96	80	0



LG16ABAALL	L	113302	R3	CY8C20236A-24LKXA	121	0	168	79	0
LG16AAAAL	MB	MR111011	R1	CY8C20236A-24LKXIT	121	0	168	30	0
LG16AAAAL	MB	MR111011	R1	CY8C20236A-24LKXIT	121	0	288	27	0
LG16AAAAL	MB	MR112021	R1	CY8C20236A-24LKXIT	121	0	168	30	0
LG16AAAAL	MB	MR112021	R1	CY8C20236A-24LKXIT	121	0	288	30	0
LG16ABAALL	L	NR111001	R1	CY8C20236A-24LKXIKL	121	0	168	30	0
LG16ABAALL	L	NR111001	R1	CY8C20236A-24LKXIKL	121	0	288	30	0
LG16ABAALL	L	NR111001	R2	CY8C20236A-24LKXIKL	121	0	168	29	0
LG16ABAALL	L	NR111001	R2	CY8C20236A-24LKXIKL	121	0	288	29	0
LG16ABAALL	L	NR111001	R3	CY8C20236A-24LKXIKL	121	0	168	30	0
LG16ABAALL	L	NR111001	R3	CY8C20236A-24LKXIKL	121	0	288	30	0
LG16AAAAL	MB	NR111002	R1	CY8C20236A-24LKXI	121	0	168	30	0
LG16AAAAL	MB	NR111002	R1	CY8C20236A-24LKXI	121	0	288	30	0
LG16AAAAL	MB	NR111002	R2	CY8C20236A-24LKXI	121	0	168	30	0
LG16AAAAL	MB	NR111002	R2	CY8C20236A-24LKXI	121	0	288	30	0
LG16AAAAL	MB	NR111002	R3	CY8C20236A-24LKXI	121	0	168	30	0
LG16AAAAL	MB	NR111002	R3	CY8C20236A-24LKXI	121	0	288	30	0

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

23 records

Sum

1030 0

QFN (Punch Type, Pb-Free)

LY40CGAGR	L	MR111027	R1	CYRF69213-40LFXC	121	0	168	30	0
LY40CGAGR	L	MR111027	R1	CYRF69213-40LFXC	121	0	288	30	0
LY56DGAGL	L	MR111040	R1	CY8C24894-24LFXIT	121	0	168	30	0
LY56DGAGL	L	MR111040	R1	CY8C24894-24LFXIT	121	0	288	26	0
LY40CGAGR	L	MR112018	R1	CYRF69213-40LFXC	121	0	168	30	0
LY40CGAGR	L	MR112018	R1	CYRF69213-40LFXC	121	0	288	30	0
LY24BGAGL	L	MR112059	R1	CY8C21323-24LFXIT	121	0	168	30	0
LY24BGAGL	L	MR112059	R1	CY8C21323-24LFXIT	121	0	288	30	0



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

8 records

Sum

236 0

QFN (Saw Type, Pb-Free)

LQ48ACAAAL	L	104807	R1	CY8CTMA301E-48LQXI	121	0	168	80	0
LQ48ACAAAL	L	104807	R1	CY8CTMA301E-48LQXI	121	0	288	80	0
LQ56ABAAAL	MB	110707	R1	CY8C24794-24LQXI	121	0	168	77	0
LQ56ABAAAL	MB	110707	R1	CY8C24794-24LQXI	121	0	288	77	0
LT40ABAAAL	G	111812	R1	CYRF6936B-40LTXC	121	0	168	77	0
LT40ABAAAL	G	111812	R1	CYRF6936B-40LTXC	121	0	288	77	0
LT32BBAAAL	G	111812	R2	CY7C60323-LTXC	121	0	168	80	0
LT32BBAAAL	G	111812	R2	CY7C60323-LTXC	121	0	288	80	0
LT56YAAAAL	G	111816	R1	CY7C65640A-LSXC	121	0	168	80	0
LT56YAAAAL	G	111816	R1	CY7C65640A-LSXC	121	0	288	78	0
LT68YAAAAL	G	111816	R2	CY8CLED04-68LTXI	121	0	168	79	0
LT68YAAAAL	G	111816	R2	CY8CLED04-68LTXI	121	0	288	79	0
LQ32AQAAAAL	G	112104	R1	CY8C21434B-24LQXI	121	0	168	80	0
LQ32AQAAAAL	G	112104	R2	CY8C23533-24LQXI	121	0	168	80	0
LQ56AQAAAAL	G	112105	R1	CY8C24794-24LQXI	121	0	168	80	0
LQ56AQAAAAL	G	112105	R1	CY8C24794-24LQXI	121	0	288	80	0
LQ48AQAAAAL	G	112105	R3	CY8CTMA301E5-48LQXI	121	0	168	80	0
LQ48AQAAAAL	G	112105	R3	CY8CTMA301E5-48LQXI	121	0	288	80	0
LT40BQAAAAL	G	112106	R1	CYRF69103-40LTXCES	121	0	168	80	0
LT48EQAAAAL	G	112106	R2	CYWUSB6953-48LTXC	121	0	168	80	0
LT48CQAAAAL	G	112107	R2	CYWUSB6934-48LTXC	121	0	168	77	0
LT48DQAAAAL	G	112107	R3	CY8C3866LTI-068	121	0	168	80	0
LQ24AQAAAAL	G	112108	R1	CY7C68003-24LQXI	121	0	168	80	0
LT88AAAAAL	RA	113002	R2	CY8CTMA884LTI-13ES	121	0	168	77	0
LT88ABAAAL	K	113802	R4	CY8CTMA884LTI-13ES	121	0	168	80	0



LT88ABAAAL	K	113802	R4	CY8CTMA884LTI-13ES	121	0	288	79	0
LT88ABAAAL	K	113802	R5	CY8CTMA884LTI-13ES	121	0	168	80	0
LT88ABAAAL	K	113802	R5	CY8CTMA884LTI-13ES	121	0	288	79	0
LT32BABCGL	RA	MR104012	R1A	CY8C21434-24LTXI	121	0	168	29	0
LT32BABCGL	RA	MR104012	R1A	CY8C21434-24LTXI	121	0	288	29	0
LT32BAAAGL	CA	MR104067	R1	CY8C24423A-24LTXI	121	0	288	30	0
LQ24ABAAL	AT	MR111001	R1	CP7262ATT	121	0	168	30	0
LQ24ABAAL	AT	MR111001	R1	CP7262ATT	121	0	288	30	0
LQ24ABAAL	AT	MR111002	R1	CP7262ATT	121	0	168	30	0
LQ24ABAAL	AT	MR111002	R1	CP7262ATT	121	0	288	30	0
LQ36ABAAAL	RA	MR111009	R1A	CY8CTMA340-LQI-01T	121	0	168	30	0
LQ36ABAAAL	RA	MR111009	R1A	CY8CTMA340-LQI-01T	121	0	288	30	0
LT48ACBAAL	MB	MR111033	R1	CY8C27643-24LTXIT	121	0	168	30	0
LT48ACBAAL	MB	MR111033	R1	CY8C27643-24LTXIT	121	0	288	30	0
LT32BAAAGL	CA	MR111044	R1	CY8C21434-24LTXI	121	0	168	30	0
LT32BAAAGL	CA	MR111044	R1	CY8C21434-24LTXI	121	0	288	30	0
LQ36AAAAAN	MB	MR111045	R1	CY8CTMA3405-LQI-01	121	0	168	30	0
LQ36AAAAAN	MB	MR111045	R1	CY8CTMA3405-LQI-01	121	0	288	30	0
LT48ABBAAL	MB	MR112022	R1	CP7245BT	121	0	168	30	0
LT48ABBAAL	MB	MR112022	R1	CP7245BT	121	0	288	30	0
LQ32EPDAGL	RA	MR112023	R1	CY8C20446A-24LQXIT	121	0	168	30	0
LQ32EPDAGL	RA	MR112023	R1	CY8C20446A-24LQXIT	121	0	288	30	0
LT56BDAAGL	AE	MR112027	R1	CY7C64215-56LTXC	121	0	168	30	0
LT56BDAAGL	AE	MR112027	R1	CY7C64215-56LTXC	121	0	288	30	0
LQ48AAAAAL	R	MR113039	R1	CY8CTMA340-48LQI-01	121	0	168	30	0
LQ48AAAAAL	R	MR113039	R1	CY8CTMA340-48LQI-01	121	0	288	30	0
LQ48AAAAAL	RA	AR1131017	R1	CY8CTMA340-48LQI-09	121	0	168	21	0
LQ48AAAAAL	RA	AR1131017	R1	CY8CTMA340-48LQI-09	121	0	288	21	0
LT32BAABGL	RA	MR111034	R1	CY8C21434-24LTXIT	121	0	168	30	0



LT32BAABGL	RA	MR111034	R1	CY8C21434-24LTXIT	121	0	288	30	0
LQ24AAAAAL	RA	MR111042	R1	CY8C20324-12LQXI	121	0	168	30	0
LQ24AAAAAL	RA	MR111042	R1	CY8C20324-12LQXI	121	0	288	30	0
LT32BAAAGL	CA	MR112014	R1	CY8C21434-24LTXI	121	0	168	30	0
LT32BAAAGL	CA	MR112014	R1	CY8C21434-24LTXI	121	0	288	30	0
LQ32DAGLL	CA	MR112017	R1	CY8C20446A-24LQXIT	121	0	168	30	0
LQ32DAGLL	CA	MR112017	R1	CY8C20446A-24LQXIT	121	0	288	28	0
LQ32DAGLL	CA	MR113038	R1	CY8C20446A-24LQXIT	121	0	168	30	0
LQ32DAGLL	CA	MR113038	R1	CY8C20446A-24LQXIT	121	0	288	30	0
LT88AAAAAL	RA	113002	R1B	CY8CTMA884LTI-13ES	121	0	168	74	0
LT88AAAAAL	RA	113002	R1B	CY8CTMA884LTI-13ES	121	0	288	74	0
LQ48AAAAAL	RA	113211	R1	CY8CTMA340-48LQI-09	121	0	168	78	0
LQ48AAAAGL	RA	113905	R1	CY8CTMA443-48LQIES2	121	0	168	77	0
LQ48AAAAGL	RA	113905	R1	CY8CTMA443-48LQIES2	121	0	288	77	0
LQ48AQAAAL	G	113905	R3	CY8CTMA443-48LQIES	121	0	168	80	0
LQ48AQAAAL	G	113905	R3	CY8CTMA443-48LQIES	121	0	288	80	0
LQ48AQAAAL	G	113905	R4	CY8CTMA443-48LQIES	121	0	168	80	0
LQ48AQAAAL	G	113905	R4	CY8CTMA443-48LQIES	121	0	288	80	0
LQ36ABAAAL	RA	114301	R1A	CY8CTMA300E-36LQXI	121	0	168	80	0
LQ36ABAAAL	RA	114301	R2A	CY8CTMA300E-36LQXI	121	0	168	80	0
LQ36ABAAAL	RA	114301	R3A	CY8CTMA300E-36LQXI	121	0	168	80	0

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

75 records

Sum

4184 0

QSOP (Pb-Free)

SQ2414ABGN	R	MR111076	R1	CY7C63743C-QXC	121	0	168	30	0
SQ2414ABGN	R	MR111076	R1	CY7C63743C-QXC	121	0	288	30	0

Summary for Package Family: QSOP (Pb-Free)

2 records

Sum

60 0



SNC (Pb-Free)

SY2831BCLN	JT	104811	R1	CY62256NLL-70SNXC	121	0	168	80	0
SY2831BCLN	JT	104811	R1	CY62256NLL-70SNXC	121	0	288	80	0
SY2831BCLN	JT	104812	R1	CY62256NLL-70SNXC	121	0	168	80	0
SY2831BCLN	JT	104812	R1	CY62256NLL-70SNXC	121	0	288	80	0
SY2831BHN	JT	105208	R1	CY62256NLL-70SNXA	121	0	96	77	0
SY2831BHN	JT	105208	R1	CY62256NLL-70SNXA	121	0	168	77	0
SY2831BHN	JT	105208	R2	CY62256VNLL-70SNXE	121	0	96	77	0
SY2831BHN	JT	105208	R2	CY62256VNLL-70SNXE	121	0	168	77	0
SY2831BHN	JT	105208	R3	7A622574NDC	121	0	96	80	0
SY2831BHN	JT	105208	R3	7A622574NDC	121	0	168	80	0
SY2831BHN	JT	111401	R1	7A622574NDC	121	0	96	100	0
SY2831BHN	JT	111401	R1	7A622574NDC	121	0	168	90	0
SY2831BHN	JT	111401	R2	CY62256NLL-70SNXA	121	0	96	100	0
SY2831BHN	JT	111401	R2	CY62256NLL-70SNXA	121	0	168	90	0
SY2831BHN	JT	111401	R3	CY6264-70SNXA	121	0	96	99	0
SY2831BHN	JT	111401	R3	CY6264-70SNXA	121	0	168	89	0
SY2831BBLN	R	MR112034	R1	CY62256NLL-55SNXI	121	0	168	30	0
SY2831BBLN	R	MR112034	R1	CY62256NLL-55SNXI	121	0	288	30	0
SY2831BBLN	R	MR113001	R1	CG6715AMT	121	0	168	30	0
SY2831BBLN	R	MR113001	R1	CG6715AMT	121	0	288	30	0

Summary for Package Family: SNC (Pb-Free)

20 records

Sum

1476 0

SOIC

S1615KDAGN	RA	MR111051	R1	CY2309SC-1H	121	0	168	30	0
S1615KDAGN	RA	MR111051	R1	CY2309SC-1H	121	0	288	30	0

Summary for Package Family:

SOIC

2 records

Sum

60 0

SOIC (Pb Free)



SZ815WAGN	M	103507	R1	CY14C101J2-SXI	121	0	168	77	0
SZ815YAALN	RA	103902	R1	CY14B101Q2A-SXI	121	0	288	80	0
SZ32457LN	R	110708	R1	7A62128KC	121	0	96	77	0
SZ32457LN	R	110708	R1	7A62128KC	121	0	168	77	0
SZ32457LN	R	110708	R2	7A62128KC	121	0	96	77	0
SZ32457LN	R	110708	R2	7A62128KC	121	0	168	77	0
SZ32457LN	R	110708	R3	7A62128KC	121	0	96	76	0
SZ32457LN	R	110708	R3	7A62128KC	121	0	168	76	0
SZ32451ALL	JT	110902	R1	CY62148BNLL-70SXI	121	0	168	80	0
SZ32451ALL	JT	110902	R1	CY62148BNLL-70SXI	121	0	288	80	0
SZ324513AN	JT	111411	R1	7A62128ZHC	121	0	96	80	0
SZ324513AN	JT	111411	R1	7A62128ZHC	121	0	168	80	0
SZ32457ALN	JT	111411	R2	7A62128KC	121	0	96	80	0
SZ32457ALN	JT	111411	R2	7A62128KC	121	0	168	80	0
SZ32457ALN	JT	111411	R3	7A62128KC	121	0	96	80	0
SZ32457ALN	JT	111411	R3	7A62128KC	121	0	168	80	0
SZ324513AN	JT	111412	R1	CY62128BNLL-70SXA	121	0	96	100	0
SZ324513AN	JT	111412	R1	CY62128BNLL-70SXA	121	0	168	90	0
SZ32457ALN	JT	111412	R2	CY62128ELL-55ZAXE	121	0	96	100	0
SZ32457ALN	JT	111412	R2	CY62128ELL-55ZAXE	121	0	168	90	0
SZ32457ALN	JT	111412	R3	CY62128ELL-55ZAXE	121	0	96	100	0
SZ32457ALN	JT	111412	R3	CY62128ELL-55ZAXE	121	0	168	90	0
SZ1615FAL	T	MR104069	R1	CY8C20160-SX2IT	121	0	288	30	0
SZ28327BGL	R	MR104070	R1	CY8C21345-24SXI	121	0	288	30	0
SZ28327BGL	R	MR111003	R1	CY8C27443-24SXIT	121	0	168	30	0
SZ28327BGL	R	MR111003	R1	CY8C27443-24SXIT	121	0	288	30	0
SZ24315EGN	RA	MR111006	R1	CY7C63743C-SXCT	121	0	168	30	0
SZ24315EGN	RA	MR111006	R1	CY7C63743C-SXCT	121	0	288	30	0
SZ815PAEGN	RA	MR111030	R1	CY2305SXC-1HT	121	0	168	30	0



SZ815PAEGN	RA	MR111030	R1	CY2305SXC-1HT	121	0	288	30	0
SZ323ACAGR	M	MR111038	R1A	STK14C88-3NF45ITR	121	0	168	30	0
SZ323ACAGR	M	MR111038	R1A	STK14C88-3NF45ITR	121	0	288	30	0
SZ1615FAL	T	MR111046	R1	CY2309CSXC-1	121	0	168	30	0
SZ1615FAL	T	MR111046	R1	CY2309CSXC-1	121	0	288	30	0
SZ815CGAN	M	MR111053	R1	CY8C24123A-24SXI	121	0	168	30	0
SZ815CGAN	M	MR111053	R1	CY8C24123A-24SXI	121	0	288	30	0
SZ28327BGL	R	MR111055	R1	CY8C27443-24SXIT	121	0	168	30	0
SZ28327BGL	R	MR111055	R1	CY8C27443-24SXIT	121	0	288	30	0
SZ324513N	R	MR111064	R1	CY62128BNLL-70SXET	121	0	96	30	0
SZ324513N	R	MR111064	R1	CY62128BNLL-70SXET	121	0	168	30	0
SZ324513N	R	MR111064	R1	CY62128BNLL-70SXET	121	0	288	30	0
SZ1615KDBG	RA	MR112010	R1	CY2292FXC	121	0	168	30	0
SZ1615KDBG	RA	MR112010	R1	CY2292FXC	121	0	288	30	0
SZ183CPEAN	RA	AR1131009	R1	CY7C63723C-SXC	121	0	168	22	0
SZ323AEGAS	M	MR112031	R1	CY14B256LA-SZ45XIT	121	0	168	30	0
SZ323AEGAS	M	MR112031	R1	CY14B256LA-SZ45XIT	121	0	288	30	0
SZ24315EGN	RA	MR112032	R1	CY7C63743C-SXC	121	0	168	30	0
SZ24315EGN	RA	MR112032	R1	CY7C63743C-SXC	121	0	288	30	0
SZ324513N	R	MR112035	R1	CY62128BNLL-70SXET	121	0	96	30	0
SZ324513N	R	MR112035	R1	CY62128BNLL-70SXET	121	0	168	30	0
SZ324513N	R	MR112035	R1	CY62128BNLL-70SXET	121	0	288	30	0
SZ815PAEGN	RA	MR114001	R1	CY2305SXI-1H	121	0	168	30	0
SZ815PAEGN	RA	MR114001	R1	CY2305SXI-1H	121	0	288	30	0
SZ0815TAGN	T	111403	R1	CY25402SXC-007	121	0	168	80	0
SZ0815TAGN	T	111403	R1	CY25402SXC-007	121	0	288	80	0
SZ0815TAGN	T	111403	R2	CY25402SXC-007	121	0	168	80	0
SZ0815TAGN	T	111403	R2	CY25402SXC-007	121	0	288	80	0
SZ28	JT	113907	R1	8C294665A	121	0	168	77	0



SZ28327BGL	JT	113907	R2	8C294665A	121	0	168	77	0
SZ28	JT	113907	R3	8C294665A	121	0	168	77	0
Summary for Package Family: SOIC (Pb Free)			60	records				3300	0
Sum								3300	0
SOJ									
V3645BGBLN	JT	110907	R1	7C1549SCC	121	0	168	79	0
V3645BGBLN	JT	110907	R1	7C1549SCC	121	0	288	79	0
V243GAAAGN	X	MR112050	R1	CY7C197BN-15VCT	121	0	168	30	0
V243GAAAGN	X	MR112050	R1	CY7C197BN-15VCT	121	0	288	30	0
Summary for Package Family: SOJ			4	records				218	0
Sum								218	0
SOJ (Pb-Free)									
VZ32422CLL	JT	104805	R1	CY7C1046D-10VXI	121	0	168	76	0
VZ32422CLL	JT	104805	R1	CY7C1046D-10VXI	121	0	288	76	0
VZ32421CLL	JT	104805	R2	CY7C1019CV33-15VXC	121	0	168	77	0
VZ32421CLL	JT	104805	R2	CY7C1019CV33-15VXC	121	0	288	76	0
VZ32422CLL	JT	104809	R1	CY7C1046D-10VXI	121	0	168	76	0
VZ32422CLL	JT	104809	R1	CY7C1046D-10VXI	121	0	288	76	0
VZ32421CLL	JT	104809	R2	CY7C1019CV33-15VXC	121	0	168	77	0
VZ32421CLL	JT	104809	R2	CY7C1019CV33-15VXC	121	0	288	76	0
VZ28313CLN	JT	104811	R2	CY7C1399BN-12VXC	121	0	168	77	0
VZ28313CLN	JT	104811	R2	CY7C1399BN-12VXC	121	0	288	77	0
VZ28311LLL	JT	105206	R1	CY7C199CN	121	0	96	77	0
VZ28311LLL	JT	105206	R1	CY7C199CN	121	0	168	77	0
VZ28311LLL	JT	105206	R2	CY7C199CN	121	0	96	77	0
VZ28311LLL	JT	105206	R2	CY7C199CN	121	0	168	77	0
VZ28311LLL	JT	105206	R3	CY7C199CN	121	0	96	77	0
VZ28311LLL	JT	105206	R3	CY7C199CN	121	0	168	77	0
VZ444YBLL	JT	111804	R1	7A134101FC	121	0	96	80	0



VZ444YBLL	JT	111804	R1	7A134101FC	121	0	168	80	0
VZ444WHGL	JT	111804	R2	7A1021SFC	121	0	96	80	0
VZ444WHGL	JT	111804	R2	7A1021SFC	121	0	168	80	0
VZ444ZCLL	JT	111804	R3	7A122101GC	121	0	96	80	0
VZ444ZCLL	JT	111804	R3	7A122101GC	121	0	168	80	0
VZ2847AAAR	OP	MR104080	R1	CY7C107D-10VXI	121	0	288	30	0
VZ32314BLL	R	MR111050	R1	CY7C1018DV33-10VXIT	121	0	168	30	0
VZ32314BLL	R	MR111050	R1	CY7C1018DV33-10VXIT	121	0	288	29	0
VZ3649BALN	R	AR1131004	R1	CY7C1049DV33-10VXI	121	0	168	18	0
VZ3649BALN	R	AR1131004	R1	CY7C1049DV33-10VXI	121	0	288	18	0
VZ2847AAAR	OP	MR111047	R1	CY7C107D-10VXI	121	0	168	30	0
VZ2847AAAR	OP	MR111047	R1	CY7C107D-10VXI	121	0	288	30	0
VZ444ACBLN	R	MR112008	R1	CY7C1021DV33-10VXI	121	0	168	30	0
VZ444ACBLN	R	MR112008	R1	CY7C1021DV33-10VXI	121	0	288	30	0

Summary for Package Family: SOJ (Pb-Free)

31 records

Sum

1951 0

SSOP (Pb-Free)

SP483JAAAL	R	104407	R1	CY8C20566A-12PVXE	121	0	96	80	0
SP483JAAAL	R	104407	R1	CY8C20566A-12PVXE	121	0	168	80	0
SP483JAAAL	R	104407	R2	CY8C20566A-12PVXE	121	0	96	80	0
SP483JAAAL	R	104407	R2	CY8C20566A-12PVXE	121	0	168	80	0
SP483JAAAL	R	104407	R3	CY8C20566A-12PVXE	121	0	96	80	0
SP483JAAAL	R	104407	R3	CY8C20566A-12PVXE	121	0	168	80	0
SP563DBCNG	JT	104802	R1	CY7C68001-56PVXC	121	0	168	80	0
SP563DBCNG	JT	104802	R1	CY7C68001-56PVXC	121	0	288	80	0
SP483JBCLL	JT	104802	R2	CY14B101KA-SP45XI	121	0	168	76	0
SP483JBCLL	JT	104802	R2	CY14B101KA-SP45XI	121	0	288	76	0
SP483JABLL	JT	105201	R1	CY8C29666-12PVXE	121	0	96	79	0
SP483JABLL	JT	105201	R1	CY8C29666-12PVXE	121	0	168	79	0



SP483JABLL	JT	105201	R2	CY8C21645-12PVXE	121	0	96	80	0
SP483JABLL	JT	105201	R2	CY8C21645-12PVXE	121	0	168	80	0
SP483JABAL	JT	105201	R3	CY8C20566A-12PVXE	121	0	96	80	0
SP483JABAL	JT	105201	R3	CY8C20566A-12PVXE	121	0	168	80	0
SP483MBBGN	RA	111301	R1	CY8C3866PVI-021ES3	121	0	168	80	0
SP483HAAGR	M	MR104061	R1A	CY14B101L-SP35XI	121	0	168	30	0
SP483HAAGR	M	MR104061	R1A	CY14B101L-SP35XI	121	0	288	30	0
SP483EBBAL	R	MR111004	R1	CY8C29666-24PVXIT	121	0	168	30	0
SP483EBBAL	R	MR111004	R1	CY8C29666-24PVXIT	121	0	288	30	0
SP2023GAL	T	MR111012	R1A	CY8C21323-24PVXI	121	0	168	30	0
SP2023GAL	T	MR111012	R1A	CY8C21323-24PVXI	121	0	288	30	0
SP483FBKGN	RA	MR112011	R1	CY8C20536A-24PVXIT	121	0	168	30	0
SP483FBKGN	RA	MR112011	R1	CY8C20536A-24PVXIT	121	0	288	30	0
SP483FBKGN	RA	AR1131008	R1	CY8C20536A-24PVXIT	121	0	168	22	0
SP483FBKGN	RA	AR1131008	R1	CY8C20536A-24PVXIT	121	0	288	22	0
SP282ABBGN	RA	MR111008	R1	CY8C21534-24PVXIT	121	0	168	30	0
SP282ABBGN	RA	MR111008	R1	CY8C21534-24PVXIT	121	0	288	30	0
SP2822BGL	M	MR111057	R1	CY8C21534-24PVXAT	121	0	96	30	0
SP2822BGL	M	MR111057	R1	CY8C21534-24PVXAT	121	0	168	30	0
SP2822BGL	M	MR111057	R1	CY8C21534-24PVXAT	121	0	288	30	0
SP28214GL	T	MR113052	R1	CY8C21534-24PVXI	121	0	168	30	0
SP28214GL	T	MR113052	R1	CY8C21534-24PVXI	121	0	288	30	0
SP28213GL	T	111402	R1	CY8C29466-24PVXI	121	0	168	80	0
SP28213GL	T	111402	R1	CY8C29466-24PVXI	121	0	288	80	0
SP28213GL	T	111402	R2	CY8C29466-24PVXI	121	0	168	80	0
SP28213GL	T	111402	R2	CY8C29466-24PVXI	121	0	288	80	0

Summary for Package Family: SSOP (Pb-Free)

38 records

Sum

2164 0

TQFP



A64IBAABL	JT	110901	R1	CY7C144-25AC	121	0	168	80	0
A64IBAABL	JT	110901	R1	CY7C144-25AC	121	0	288	80	0
Summary for Package Family:			2	records					
TQFP								160	0
Sum									
TQFP (Pb-Free)									
AZ100SFDAL	R	101101	R4	CY8C3866AXI-040ES3	121	0	168	80	0
AZ100SFDAL	R	101101	R4	CY8C3866AXI-040ES3	121	0	168	80	0
AZ100SFDAL	R	101101	R5	CY8C3866AXI-040ES3	121	0	168	80	0
AZ100SFDAL	R	101101	R5	CY8C3866AXI-040ES3	121	0	168	80	0
AZ100SFDAL	R	110705	R4	CY8C3866AXI-040ES3	121	0	168	80	0
AZ100SFDAL	R	110705	R5	CY8C3866AXI-040ES3	121	0	168	80	0
AZ100SFDAL	R	110904	R4	CY8C3866AXI-040ES3	121	0	168	80	0
AZ100SFDAL	R	110904	R5	CY8C3866AXI-040ES3	121	0	168	80	0
AZ100SFHAL	JT	110905	R4A	CY8C5568AXI-060	121	0	168	77	0
AZ100SFHAL	JT	110905	R4A	CY8C5568AXI-060	121	0	288	77	0
AZ100RVLN	JT	111803	R1	CY7C68320C-100AXA	121	0	96	80	0
AZ100RVLN	JT	111803	R1	CY7C68320C-100AXA	121	0	168	80	0
AZ100RVLN	JT	111803	R2	CY7C68320C-100AXA	121	0	96	80	0
AZ100RVLN	JT	111803	R2	CY7C68320C-100AXA	121	0	168	80	0
AZ100RVLN	JT	111803	R3	CY7C68320C-100AXA	121	0	96	80	0
AZ100RVLN	JT	111803	R3	CY7C68320C-100AXA	121	0	168	80	0
AZ100SFHAL	JT	111817	R4	CY8C5568AXI-060	121	0	168	77	0
AZ100SFHAL	JT	111817	R4	CY8C5568AXI-060	121	0	288	77	0
AZ100RJBLN	RA	112602	R1	CY7C1350G-200AXI	121	0	168	76	0
AZ100RJBLN	RA	112602	R1	CY7C1350G-200AXI	121	0	288	76	0
AZ100RJBLN	RA	112602	R3	CY7C1350G-200AXI	121	0	168	77	0
AZ100RJBLN	RA	112602	R3	CY7C1350G-200AXI	121	0	288	75	0
AZ100RJBLN	RA	112602	R6	CY7C1350G-200AXI	121	0	168	73	0
AZ100RJBLN	RA	112602	R6	CY7C1350G-200AXI	121	0	288	66	0



AZ32GXGAN	G	MR104031	R1	CY29940AXCT	121	0	288	30	0
AZ32LXGAN	Q	MR111025	R1	CY29946AXI	121	0	168	30	0
AZ32LXGAN	Q	MR111025	R1	CY29946AXI	121	0	288	30	0
AZ32GXGAN	G	MR111026	R1	CY29940AXC	121	0	168	30	0
AZ32GXGAN	G	MR111026	R1	CY29940AXC	121	0	288	30	0
AZ160SBGAL	G	MR112037	R1	CY37256P160-83AXC	121	0	168	30	0
AZ160SBGAL	G	MR112037	R1	CY37256P160-83AXC	121	0	288	30	0
AZ32BXGAN	Q	MR112077	R1	CY7C4201V-15AXC	121	0	168	30	0
AZ32BXGAN	Q	MR112077	R1	CY7C4201V-15AXC	121	0	288	30	0
AZ44SGBGAN	R	MR111005	R1A	CY8C29566-24AXI	121	0	168	30	0
AZ44SGBGAN	R	MR111005	R1A	CY8C29566-24AXI	121	0	288	30	0
AZ44DGAGL	Q	MR112058	R1	CY7B995AXIT	121	0	168	30	0
AZ44DGAGL	Q	MR112058	R1	CY7B995AXIT	121	0	288	30	0
AZ32GXGAN	G	MR113046	R1	CY29940AXIT	121	0	168	30	0
AZ32GXGAN	G	MR113046	R1	CY29940AXIT	121	0	288	30	0
AZ100SFGAL	JT	RR114011	R1	CS7510AM	121	0	96	70	0
AZ100SFGAL	JT	RR114011	R1	CS7510AM	121	0	168	70	0
AZ100SFGAL	JT	RR114011	R1	CS7510AM	121	0	288	70	0
AZ100SFKAL	RA	112302	R1	CY8C5568AXI-060	121	0	168	77	0

Summary for Package Family: TQFP (Pb-Free)

43 records

Sum

2608 0

TSOP I (Pb-Free)

ZT28R5BBGL	JT	104815	R1	7C1995SMC	121	0	168	77	0
ZT28R5BBGL	JT	104815	R1	7C1995SMC	121	0	288	77	0
ZT28R2BCLN	JT	104815	R3	CY62256NLL-55ZXI	121	0	168	80	0
ZT28R2BCLN	JT	104815	R3	CY62256NLL-55ZXI	121	0	288	80	0
ZT28R2ABGN	JT	105202	R1	CY62256VLL	121	0	96	80	0
ZT28R2ABGN	JT	105202	R1	CY62256VLL	121	0	168	80	0
ZT28R2ABGN	JT	105202	R2	CY62256NLL-55ZXAT	121	0	96	80	0



ZT28R2ABGN	JT	105202	R2	CY62256NLL-55ZXAT	121	0	168	80	0
ZT28R2ABGN	JT	105202	R3	CY62256NLL-55ZXAT	121	0	96	80	0
ZT28R2ABGN	JT	105202	R3	CY62256NLL-55ZXAT	121	0	168	80	0
ZB32RHBLN	JT	105211	R1	CY62148ESL	121	0	96	80	0
ZB32RHBLN	JT	105211	R1	CY62148ESL	121	0	168	80	0
ZB32RHABL N	JT	105211	R2	CY62138FV30LL	121	0	96	80	0
ZB32RHABL N	JT	105211	R2	CY62138FV30LL	121	0	168	80	0
ZB32RHABL N	JT	105211	R3	CY62128ELL	121	0	96	80	0
ZB32RHABL N	JT	105211	R3	CY62128ELL	121	0	168	80	0
ZT28R4BGL	R	MR104063	R1	CY7C1399BNL-12ZXC	121	0	288	30	0
ZT28R2BBLN	R	MR111017	R1	CY62256NLL-55ZXIT	121	0	168	30	0
ZT28R2BBLN	R	MR111017	R1	CY62256NLL-55ZXIT	121	0	288	30	0
ZT32RAEDLN	RA	MR111018	R1	CY62128EV30LL-45ZXI	121	0	168	30	0
ZT32RAEDLN	RA	MR111018	R1	CY62128EV30LL-45ZXI	121	0	288	30	0
ZB32RKALL	T	MR111069	R1	CY62128EV30LL-45ZAXI	121	0	168	30	0
ZB32RKALL	T	MR111069	R1	CY62128EV30LL-45ZAXI	121	0	288	30	0
ZB32RKALL	T	MR112006	R1	CY62128EV30LL-45ZAXI	121	0	168	30	0
ZB32RKALL	T	MR112006	R1	CY62128EV30LL-45ZAXI	121	0	288	30	0

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

25 records

Sum

1544 0

TSOP II (Pb-Free)

ZW444YBCLL	JT	104814	R1	CY7C1041BN-15ZXI	121	0	168	77	0
ZW444YBCLL	JT	104814	R1	CY7C1041BN-15ZXI	121	0	288	74	0
ZW444WBDLN	JT	104814	R3	CY14B256LA-ZS45XI	121	0	168	77	0
ZW444WBDLN	JT	104814	R3	CY14B256LA-ZS45XI	121	0	288	76	0
ZW444AKCLN	R	104907	R1	CY7C1041CV33	121	0	96	100	0
ZW444AKCLN	R	104907	R1	CY7C1041CV33	121	0	168	90	0
ZW444AKCLN	R	104907	R2	CY7C1041CV33	121	0	96	100	0
ZW444AKCLN	R	104907	R2	CY7C1041CV33	121	0	168	90	0



ZW444AKCLN	R	104907	R3	CY7C1041CV33	121	0	96	100	0
ZW444AKCLN	R	104907	R3	CY7C1041CV33	121	0	168	85	0
ZW444PAALL	RA	110703	R1	CY14B101KA	121	0	168	80	0
ZW444PAALL	RA	110703	R1	CY14B101KA	121	0	288	80	0
ZW44AAAAGL	RA	110703	R2	CY7C1021DV33-10ZSXI	121	0	168	80	0
ZW44AAAAGL	RA	110703	R2	CY7C1021DV33-10ZSXI	121	0	288	1	0
ZW44AAAAGL	RA	110703	R2	CY7C1021DV33-10ZSXI	121	0	288	79	0
ZW444AKDLN	JT	111410	R1	7A134101FC	121	0	96	80	0
ZW444AKDLN	JT	111410	R1	7A134101FC	121	0	168	80	0
ZW444AHILL	JT	111410	R2	7A62126FC	121	0	96	80	0
ZW444AHILL	JT	111410	R2	7A62126FC	121	0	168	80	0
ZW444AHILL	JT	111410	R3	7A62126FC	121	0	96	80	0
ZW444AHILL	JT	111410	R3	7A62126FC	121	0	168	80	0
ZW444VCLL	R	111810	R1	CY62136FV30LL	121	0	96	100	0
ZW444VCLL	R	111810	R1	CY62136FV30LL	121	0	168	90	0
ZW444VCLL	R	111810	R2	7A62136GC	121	0	96	100	0
ZW444VCLL	R	111810	R2	7A62136GC	121	0	168	90	0
ZW444VCLL	R	111810	R3	CY62136FV30LL	121	0	96	100	0
ZW444VCLL	R	111810	R3	CY62136FV30LL	121	0	168	90	0
ZW54BGALL	G	MR112042	R1	CY7C1061DV33-10ZSXI	121	0	168	30	0
ZW54BGALL	G	MR112042	R1	CY7C1061DV33-10ZSXI	121	0	288	30	0
ZW44AAAAGL	RA	MR112046	R1	CY62147EV30LL-45ZSXIT	121	0	168	30	0
ZW44AAAAGL	RA	MR112046	R1	CY62147EV30LL-45ZSXIT	121	0	288	30	0
ZW54BGALL	G	MR113032	R1	CY7C1061DV33-10ZSXIT	121	0	168	30	0
ZW54BGALL	G	MR113032	R1	CY7C1061DV33-10ZSXIT	121	0	288	30	0
ZW444YBLL	R	AR1131002	R1	CY7C1041BN-15ZXIT	121	0	168	20	0
ZW444YBLL	R	AR1131002	R1	CY7C1041BN-15ZXIT	121	0	288	19	0
ZW444YBLL	R	MR113006	R1	CY7C1041BN-15ZXIT	121	0	168	30	0
ZW444YBLL	R	MR113006	R1	CY7C1041BN-15ZXIT	121	0	288	30	0



ZW444ALLR	G	MR113047	R1	CY7C1051DV33-10ZSXI	121	0	168	30	0
ZW444ALLR	G	MR113047	R1	CY7C1051DV33-10ZSXI	121	0	288	30	0
Summary for Package Family: TSOP II (Pb-Free)			39	records				2578	0
Sum									
TSSOP (Pb-Free)									
ZZ1620GBAN	RA	MR111029	R1	CY22393FXCT	121	0	168	30	0
ZZ1620GBAN	RA	MR111029	R1	CY22393FXCT	121	0	288	30	0
ZZ2014BGN	T	MR111031	R1	CY25404ZXI-003T	121	0	168	30	0
ZZ2014BGN	T	MR111031	R1	CY25404ZXI-003T	121	0	288	30	0
ZZ2014BGN	T	MR112047	R1	CY25404ZXI-003T	121	0	168	30	0
ZZ2014BGN	T	MR112047	R1	CY25404ZXI-003T	121	0	288	30	0
ZZ1620GDAN	RA	MR113010	R1	CY24293ZXI	121	0	168	30	0
ZZ1620GDAN	RA	MR113010	R1	CY24293ZXI	121	0	288	29	0
ZZ2014BGN	T	MR113053	R1	CY25404ZXI-003T	121	0	168	30	0
ZZ2014BGN	T	MR113053	R1	CY25404ZXI-003T	121	0	288	30	0
ZZ1620GBAN	RA	RR113013	R1	CY22388ZXC-27T	121	0	96	60	0
ZZ1620GBAN	RA	RR113013	R1	CY22388ZXC-27T	121	0	168	60	0
ZZ1620GBAN	RA	RR113013	R1A	CY22388ZXC-27T	121	0	96	13	0
ZZ1620GBAN	RA	RR113013	R1A	CY22388ZXC-27T	121	0	168	13	0
ZZ1614HAN	T	111405	R1	CY23FS04ZXC	121	0	168	79	0
ZZ1614HAN	T	111405	R1	CY23FS04ZXC	121	0	288	78	0
ZZ1614HAN	T	111405	R2	CY23FS04ZXC	121	0	168	80	0
ZZ1614HAN	T	111405	R2	CY23FS04ZXC	121	0	288	79	0
ZZ2014BGN	T	111408	R1	CYISM530AZXC	121	0	168	80	0
ZZ2014BGN	T	111408	R1	CYISM530AZXC	121	0	288	80	0
ZZ2014BGN	T	111408	R2	CYISM530AZXC	121	0	168	79	0
ZZ2014BGN	T	111408	R2	CYISM530AZXC	121	0	288	79	0
Summary for Package Family: TSSOP (Pb-Free)			22	records				1079	0
Sum									



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

BZ48ZBAALL	RA	091206	R3	CY621675EV30LL-45BVXI	121	0	288	38	0
BZ48CNAALL	G	103206	R1	CY7C62162DK	121	0	288	69	0
BZ48CNAALL	G	103206	R2	CY62162DK	121	0	288	54	0
BZ48CJALL	RA	104406	R3	CY62167DV30LL-55BVXI	121	0	168	77	0
BZ48RMAALL	RA	105004	R1	CY7C1061DV33-10BVXI	0	0	168	79	0
BZ48RMAALL	RA	105004	R1	CY7C1061DV33-10BVXI	0	0	288	79	0
BZ48RMAALL	RA	105004	R2	CY7C1061DV33-10BVXI	121	0	168	80	0
BZ48RMAALL	RA	105004	R2	CY7C1061DV33-10BVXI	121	0	288	79	0
BZ48RMAALL	RA	110301	R2	CY7C1061DV33-10BVXI	121	0	168	80	0
BZ48RMAALL	RA	110301	R3	CY7C1061DV33-10BVXI	0	0	168	79	0
BZ48RMAALL	RA	110301	R3	CY7C1061DV33-10BVXI	0	0	288	79	0
BZ48ZBAALL	RA	111701	R3B	CY621675EV30LL-45BVXI	121	0	168	78	0
BZ100BABLL	RA	MR104011	R1A	CYDM128B16-55BVXI	121	0	168	30	0
BZ100BABLL	RA	MR104011	R1A	CYDM128B16-55BVXI	121	0	288	30	0
BZ100BABLL	RA	MR111037	R1	CYDM128B16-55BVXI	121	0	168	29	0
BZ100BABLL	RA	MR111037	R1	CYDM128B16-55BVXI	121	0	288	29	0
BZ48CQAALL	G	MR111065	R1	CY62136FV30LL-45BVXI	121	0	168	28	0
BZ48CQAALL	G	MR111065	R1	CY62136FV30LL-45BVXI	121	0	288	27	0
BZ48ABBLL	AT	MR111070	RI	CY62127DV30LL-55BVXIT	121	0	168	30	0
BZ48ABBLL	AT	MR111070	RI	CY62127DV30LL-55BVXIT	121	0	288	30	0
BZ100HAALL	RA	MR112001	R1	CYWB0224ABS-BVXI	121	0	168	30	0
BZ100HAALL	RA	MR112001	R1	CYWB0224ABS-BVXI	121	0	288	30	0
BZ48CMAALL	G	MR112039	R1	CY7C1021DV33-10BVXI	121	0	168	29	0
BZ48CMAALL	G	MR112039	R1	CY7C1021DV33-10BVXI	121	0	288	28	0
BZ48ABCALL	AT	MR112064	R1	CY62126EV30LL-45BVXIT	121	0	168	30	0
BZ48ABCALL	AT	MR112064	R1	CY62126EV30LL-45BVXIT	121	0	288	30	0
BZ48CFAALL	G	MR113007	R1	CY62157EV30LL-45BVXIT	121	0	168	30	0
BZ48CFAALL	G	MR113007	R1	CY62157EV30LL-45BVXIT	121	0	288	30	0



BZ100HAALL	RA	MR113008	R1	CYWB0226ABS-BVXI	121	0	168	30	0
BZ100HAALL	RA	MR113008	R1	CYWB0226ABS-BVXI	121	0	288	30	0
BZ48ZEAAL	RA	MR113089	R1	CY62157EV18LL-55BVXIT	121	0	96	80	0
BZ48ZEAAL	RA	MR113089	R1	CY62157EV18LL-55BVXIT	121	0	168	79	0
BZ48ZEAAL	RA	MR113089	R1	CY62157EV18LL-55BVXIT	121	0	288	79	0
BZ48CRALL	G	MR113088	R1	CY62167EV30LL-45BVXI	121	0	96	80	0
BZ48CRALL	G	MR113088	R1	CY62167EV30LL-45BVXI	121	0	168	79	0
BZ48CRALL	G	MR113088	R1	CY62167EV30LL-45BVXI	121	0	288	79	0
BZ48CNAALL	G	MR113090	R1	CY62167DV30LL-55BVXI	121	0	96	80	0
BZ48CNAALL	G	MR113090	R1	CY62167DV30LL-55BVXI	121	0	168	73	0
BZ48CNAALL	G	MR113090	R1	CY62167DV30LL-55BVXI	121	0	168	6	0
BZ48CNAALL	G	MR113090	R1	CY62167DV30LL-55BVXI	121	0	288	79	0
BZ48CNAALL	G	MR113091	R1	CY62167DV30LL-55BVXI	121	0	96	80	0
BZ48CNAALL	G	MR113091	R1	CY62167DV30LL-55BVXI	121	0	168	6	0
BZ48CNAALL	G	MR113091	R1	CY62167DV30LL-55BVXI	121	0	168	74	0
BZ48CNAALL	G	MR113091	R1	CY62167DV30LL-55BVXI	121	0	288	77	0

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

44 records

Sum

2352 0



Summary Detail -- TCT Performance Over Time

BUILDKIT	ASSY SITE	EVALNUM	TV	DEVICE	TEMP	VOLT	READOUT	SS	REJECT	FA	COMMENTS	
FBGA (0.75-0.8, 0.3mm, Pb-free)												
BK48PAALL	RA	102305	R1	CY14V104LA-BA45XIES	150/-65	0	1000	77	0			
BK48PAALL	RA	104107	R1	CY14V104LA-BA45XIES	150/-65	0	1000	77	0			
BK48PAALL	RA	104107	R2	CY14V104LA-BA45XIES	150/-65	0	1000	77	0			
BK48PAALL	RA	104107	R3	CY14V101LA-BA45XI	150/-65	0	1000	77	0			
BK121AGAGL	RA	110501	R1	7C07101B	150/-65	0	500	82	0			
BK121AGAGL	RA	110501	R1	7C07101B	150/-65	0	1000	82	0			
BK121AGAGL	RA	110501	R2	7C07101B	150/-65	0	500	77	0			
BK121AGAGL	RA	110501	R2	7C07101B	150/-65	0	1000	77	0			
BK121AGAGL	RA	110501	R3	7C07101B	150/-65	0	500	82	0			
BK121AGAGL	RA	110501	R3	7C07101B	150/-65	0	1000	82	0			
BK48DJALL	G	MR103064	R1	CY62177DV30LL-55BAXI	150/-65	0	1000	30	0			
BK48DJALL	G	MR104065	R1	CY62177DV30LL-55BAXI	150/-65	0	1000	30	0			
BK48ACAALL	AT	MR104083	R1	CY7C67200-48BAXI	150/-65	0	500	30	0			
BK48ACAALL	AT	MR104083	R1	CY7C67200-48BAXI	150/-65	0	1000	30	0			
BK48CPBGL	G	MR111028	R1	CY7C67200-48BAXIT	150/-65	0	500	30	0			
BK48CPBGL	G	MR111028	R1	CY7C67200-48BAXIT	150/-65	0	1000	30	0			
BK48DJALL	G	MR112036	R1	CY62177DV30LL-55BAXI	150/-65	0	500	30	0			
BK48DJALL	G	MR112036	R1	CY62177DV30LL-55BAXI	150/-65	0	1000	30	0			
Summary for Package Family: FBGA (0.75-0.8, 0.3mm, Pb-free)			18	records								
Sum								1030	0			
FBGA (1.0-1.27)												
BB165DELLE	GQ	110402	R1	CY7C14141KV18	125/-55	0	500	80	0			
BB165DELLE	GQ	110402	R1	CY7C14141KV18	150/-65	0	500	80	0			
BB165DELLE	GQ	110402	R1	CY7C14141KV18	150/-65	0	1000	80	0			



BB165DELLE	GQ	110402	R1	CY7C14141KV18	125/-55	0	1000	80	0
BB165DELLE	GQ	110402	R1	CY7C14141KV18	125/-55	0	2000	80	0
BB165GABLE	RA	MR104057	R1	CY7C1518KV18-333BZC	150/-65	0	500	30	0
BB165GABLE	RA	MR104057	R1	CY7C1518KV18-333BZC	150/-65	0	1000	30	0
BB165UALE	G	MR104058	R1	CY7C1512AV18-200BZC	150/-65	0	500	30	0
BB165UALE	G	MR104058	R1	CY7C1512AV18-200BZC	150/-65	0	1000	26	0
BB165AHLE	G	MR112063	R1	CY7C1420SV18-250BZC	125/-55	0	500	30	0
BB165AHLE	G	MR112063	R1	CY7C1420SV18-250BZC	125/-55	0	1000	30	0
BB165UALE	G	MR111072	R1	CG6607BT	150/-65	0	500	26	0
BB165UALE	G	MR111072	R1	CG6607BT	150/-65	0	1000	16	0

Summary for Package Family: FBGA (1.0-1.27)

13 records

Sum

618 0

FBGA (1.0-1.27, Pb-free)

BW209DALL	GQ	102201	R1	7C40724AO	125/-55	0	1000	78	0
BW209FAALL	GQ	102201	R3	7C4S1472AO	125/-55	0	500	75	0
BW209FAALL	GQ	102201	R3	7C4S1472AO	125/-55	0	1000	74	0
BW209FAALL	GQ	102201	R4	7C4S1472AO	125/-55	0	500	77	0
BW209FAALL	GQ	102201	R4	7C4S1472AO	125/-55	0	1000	77	0
BW209DALL	GQ	102505	R2	7C40724 A 7C451472AO	125/-55	0	1000	78	0
BW209FAALL	GQ	102505	R3	7C4S1472AO-	125/-55	0	500	75	0
BW209FAALL	GQ	102505	R3	7C4S1472AO-	125/-55	0	1000	74	0
BW209FAALL	GQ	102505	R4	7C4S1472AO-	125/-55	0	500	77	0
BW209FAALL	GQ	102505	R4	7C4S1472AO-	125/-55	0	1000	77	0
BW209FAALL	GQ	102505	R5	CYF0072V33L-133BGXI	150/-65	0	55	74	0
BW209FAALL	GQ	102505	R5	CYF0072V33L-133BGXI	150/-65	0	500	73	0
BW209FAALL	GQ	102505	R5	CYF0072V33L-133BGXI	150/-65	0	1000	73	0
BW165RFALL	RA	103904	R1	7C1614KO-	125/-55	0	500	6	0
BW165RFALL	RA	103904	R2	7C1614KO-	125/-55	0	500	77	0
BW165RFALL	RA	103904	R3	7C1614KO-	125/-55	0	500	77	0



BW165DBALE	GQ	104601	R1	CY7C1514KV18-300BZC	150/-65	0	1500	77	0
BW165RTALL	RA	105103	R1	7C1614KO	125/-55	0	500	80	0
BW165RTALL	RA	105103	R1	7C1614KO	150/-65	0	500	76	0
BW165RTALL	RA	105103	R1	7C1614KO	150/-65	0	812	75	0
BW165RTALL	RA	105103	R1	7C1614KO	125/-55	0	1000	80	0
BW165RTALL	RA	105103	R1	7C1614KO	150/-65	0	1000	76	0
BW165RTALL	RA	105103	R1	7C1614KO	125/-55	0	1500	80	0
BW165RTALL	RA	105103	R2	7C1614KO	125/-55	0	500	80	0
BW165RTALL	RA	105103	R2	7C1614KO	150/-65	0	500	75	0
BW165RTALL	RA	105103	R2	7C1614KO	150/-65	0	812	75	0
BW165RTALL	RA	105103	R2	7C1614KO	125/-55	0	1000	80	0
BW165RTALL	RA	105103	R2	7C1614KO	150/-65	0	1000	75	0
BW165RTALL	RA	105103	R2	7C1614KO	150/-65	0	1300	74	0
BW165RTALL	RA	105103	R2	7C1614KO	125/-55	0	1500	80	0
BW165RTALL	RA	105103	R3	7C1614KO	125/-55	0	500	79	0
BW165RTALL	RA	105103	R3	7C1614KO	150/-65	0	500	77	0
BW165RTALL	RA	105103	R3	7C1614KO	150/-65	0	812	75	0
BW165RTALL	RA	105103	R3	7C1614KO	125/-55	0	1000	79	0
BW165RTALL	RA	105103	R3	7C1614KO	150/-65	0	1000	76	0
BW165RTALL	RA	105103	R3	7C1614KO	150/-65	0	1300	76	0
BW165RTALL	RA	105103	R3	7C1614KO	125/-55	0	1500	79	0
BW165GAALL	RA	MR112045	R1	CY7C1512KV18-250BZXC	150/-65	0	500	30	0
BW165GAALL	RA	MR112045	R1	CY7C1512KV18-250BZXC	150/-65	0	1000	30	0
BW165GAALL	RA	MR113018	R1	CY7C1512KV18-250BZXI	150/-65	0	500	30	0
BW165GAALL	RA	MR113018	R1	CY7C1512KV18-250BZXI	150/-65	0	1000	30	0
BW165RJALL	RA	MR113074	R1	CY7C1412KV18-250BZXI	150/-65	0	500	30	0
BW165RJALL	RA	MR113074	R1	CY7C1412KV18-250BZXI	150/-65	0	1000	30	0
BW165BUALL	G	113007	R1	CY7C1512KO	150/-65	0	500	80	0
BW165BUALL	G	113007	R2	CY7C1512KO	150/-65	0	500	80	0



BW165BUALL	G	113007	R3	CY7C1512KO	150/-65	0	500	80	0
BW165BUALL	G	113007	R3	CY7C1512KO	150/-65	0	1000	62	0

Summary for Package Family: FBGA (1.0-1.27, Pb-free) 47 records

Sum 3248 0

FLIPCHIP CSP (Pb-Free)

FN81AGAN	AU	MR112068	R1	CYWB0124ABX-FDXI	125/-55	0	500	30	0
FN81AGAN	AU	MR112068	R1	CYWB0124ABX-FDXI	125/-55	0	1000	30	0
FN81AAKRC	GQ	MR112069	R1	CYWB0124ABX-FDXI	125/-55	0	500	30	0
FN81AAKRC	GQ	MR112069	R1	CYWB0124ABX-FDXI	125/-55	0	1000	30	0
FN49	AU	113211	R0	8C20324DC	125/-55	0	500	59	0
FN49	AU	113211	R0	8C20324DC	125/-55	0	500	80	0
FN49	AU	113211	R0	8C20324DC	125/-55	0	1000	78	0
FN49	AU	113211	R0B	8C20324DC	125/-55	0	500	75	0
FN49ABAAAL	AU	113211	R1A	CY8CTMA300E-49FNXIT	150/-65	0	500	79	0
FN49ABAAAL	AU	113211	R1A	CY8CTMA300E-49FNXIT	125/-55	0	500	75	0
FN49	AU	113211	R3	CY8CTMA340-FN1-09	150/-65	0	500	79	0
FN49	AU	113211	R3B	CY8CTMA340-FN1-09	150/-65	0	500	78	0
FN49ABAAAL	AU	113211	R4	CP7457KTF	150/-65	0	500	77	0
FN49ABAAAL	AU	113211	R4B	CP7457KTF	150/-65	0	500	75	0
FN49AADRC	DT	114104	R1	CY8CTMA340-FNI-09KD	125/-55	0	1000	98	0
FN49AADRC	DT	114104	R2	CY8CTMA340-FNI-09KD	125/-55	0	1000	89	0
FN49AADRC	DT	114104	R3	CY8CTMA340-FNI-09KD	125/-55	0	1000	90	0
FN49ABDRCD	DT	114105	R1	CY8CTMA3405-FNI-09KD	125/-55	0	1000	89	0
FN49ABDRCD	DT	114105	R2	CY8CTMA3405-FNI-09KD	125/-55	0	1000	88	0
FN49ABDRCD	DT	114105	R3	CY8CTMA3405-FNI-09KD	125/-55	0	1000	90	0

Summary for Package Family: FLIPCHIP CSP (Pb-Free) 20 records

Sum 1419 0

PBGA (Cavity/Heat Sink, Pb-free)



BJ256L2GL	G	113003	R1	CYP15G0401DXB-BGXC	150/-65	0	500	77	0	
BJ256L2GL	G	113003	R1	CYP15G0401DXB-BGXC	150/-65	0	1000	77	0	
BJ256L2GL	G	113003	R2	CYP15G0401DXB-BGXC	150/-65	0	500	77	0	
BJ256L2GL	G	113003	R2	CYP15G0401DXB-BGXC	150/-65	0	1000	77	0	
BJ256L2GL	G	113003	R3	CYP15G0401DXB-BGXC	150/-65	0	500	77	0	
BJ256L2GL	G	113003	R3	CYP15G0401DXB-BGXC	150/-65	0	1000	77	0	
Summary for Package Family: PBGA (Cavity/Heat Sink, Pb-free)			6	records						
Sum								462	0	
PDIP (Pb-Free)										
PZ286EAAGN	X	MR112049	R1	CY62256NLL-70PXC	150/-65	0	500	30	0	
PZ286EAAGN	X	MR112049	R1	CY62256NLL-70PXC	150/-65	0	1000	30	0	
PZ283ACAGL	X	MR111052	R1	CY7C199CN-15PXC	150/-65	0	500	30	4	MR111052-1T1 Cut Wedge
PZ283ACAGL	X	MR111052	R1	CY7C199CN-15PXC	150/-65	0	1000	22	0	
PZ243AAAGN	X	MR113012	R1	CY7C63743C-PXC	150/-65	0	500	30	0	
PZ243AAAGN	X	MR113012	R1	CY7C63743C-PXC	150/-65	0	1000	30	0	
PZ183DPBGN	RA	MR111054	R1	CS6632AF	150/-65	0	500	30	0	
PZ183DPBGN	RA	MR111054	R1	CS6632AF	150/-65	0	1000	30	0	
Summary for Package Family: PDIP (Pb-Free)			8	records						
Sum								232	4	
PGA										
BL256L2GE	G	MR104082	R1	CYW15G0403DXB-BGI	150/-65	0	500	30	0	
BL256L2GE	G	MR104082	R1	CYW15G0403DXB-BGI	150/-65	0	1000	30	0	
BL256L2GE	G	MR111039	R1	CYP15G0401DXB-BGC	150/-65	0	500	27	0	
BL256L2GE	G	MR111039	R1	CYP15G0401DXB-BGC	150/-65	0	1000	26	0	
Summary for Package Family: PGA			4	records						
Sum								113	0	
PLCC (Pb-Free)										
JZ84SBGAN	M	111501	R1	CY7C024-55JXC	150/-65	0	500	77	0	



JZ84SBGAN	M	111501	R1	CY7C024-55JXC	150/-65	0	1000	77	0			
JZ84SBGAN	M	111501	R2	CY7C024-55JXC	150/-65	0	500	77	0			
JZ84SBGAN	M	111501	R2	CY7C024-55JXC	150/-65	0	1000	77	0			
JZ44SDGAN	M	111501	R3	CY37064P44-125JXC	150/-65	0	500	80	0			
JZ44SDGAN	M	111501	R3	CY37064P44-125JXC	150/-65	0	1000	80	0			
JZ84SBGAN	M	111501	R4	CY7C024-55JXC	150/-65	0	500	77	0			
JZ84SBGAN	M	111501	R4	CY7C024-55JXC	150/-65	0	1000	77	0			
JZ32RBGAN	M	MR112030	R1	CY7B991V-2JXCT	150/-65	0	500	30	0			
JZ32RBGAN	M	MR112030	R1	CY7B991V-2JXCT	150/-65	0	1000	28	0			
JZ32RBGAN	M	MR113005	R1	CY7B991V-5JXC	150/-65	0	500	30	0			
JZ32RBGAN	M	MR113005	R1	CY7B991V-5JXC	150/-65	0	1000	30	0			
JZ52SGGAAN	M	113405	R1	CY7C136E-55JXC	150/-65	0	500	79	0			
JZ52SGGAAN	M	113405	R1	CY7C136E-55JXC	150/-65	0	758	79	3	CAR# 201140020	Cut Wedge	
JZ52SGGAAN	M	113405	R2	CY7C136E-55JXC	150/-65	0	500	78	0			
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			
Summary for Package Family: PLCC (Pb-Free)			18	records								
Sum								1209	11			
PQFP (Pb-free)												
NZ52DXGAN	G	103104	R1	CY7C136-55NXC	150/-65	0	500	80	0			
NZ52DXGAN	G	103104	R1	CY7C136-55NXC	150/-65	0	1000	80	0			
NZ52DXGAN	G	103104	R2	CY7C136-55NXC	150/-65	0	500	80	0			
NZ52DXGAN	G	103104	R2	CY7C136-55NXC	150/-65	0	1000	80	0			
NZ52DXGAN	G	103104	R3	CY7C136-55NXCT	150/-65	0	500	80	0			
NZ52DXGAN	G	103104	R3	CY7C136-55NXCT	150/-65	0	1000	80	0			
NZ52DXGAN	G	MR104060	R1	CY7C136-55NXCT	150/-65	0	1000	30	0			
NZ52DXGAN	G	MR112060	R1	CY7C136-55NXCT	150/-65	0	500	30	0			
NZ52DXGAN	G	MR112060	R1	CY7C136-55NXCT	150/-65	0	1000	30	0			



NZ52EAALL	M	113405	R3	CY7C136E-55JXC	150/-65	0	500	79	0
NZ52EAALL	M	113405	R3	CY7C136E-55JXC	150/-65	0	1000	79	0
NZ52EAALL	M	113405	R4	CY7C136E-55JXC	150/-65	0	500	76	0
NZ52EAALL	M	113405	R4	CY7C136E-55JXC	150/-65	0	1000	76	0

Summary for Package Family: PQFP (Pb-free) 13

records

Sum

880 0

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

LG16ABAALL	L	104910	R1	CY8C20236A-24LKXI	150/-65	0	500	80	0
LG16ABAALL	L	104910	R2	CY8C20236A-24LKXI	150/-65	0	500	79	0
LG16AQAAAL	G	112603	R1	CY8C20236A-24LKXI	150/-65	0	500	80	0
LG16AQAAAL	G	112603	R1	CY8C20236A-24LKXI	150/-65	0	1000	80	0
LG16AQAAAL	G	112603	R2	CY8C20236A-24LKXI	150/-65	0	500	80	0
LG16AQAAAL	G	112603	R2	CY8C20236A-24LKXI	150/-65	0	1000	80	0
LG16AQAAAL	G	112603	R3	CY8C20236A-24LKXI	150/-65	0	500	80	0
LG16AQAAAL	G	112603	R3	CY8C20236A-24LKXI	150/-65	0	1000	80	0
LG16ABAALL	L	113302	R1	CY8C20236A-24LKXA	150/-65	0	500	80	0
LG16ABAALL	L	113302	R1	CY8C20236A-24LKXA	150/-65	0	1000	80	0
LG16ABAALL	L	113302	R2	CY8C20236A-24LKXA	150/-65	0	500	80	0
LG16ABAALL	L	113302	R2	CY8C20236A-24LKXA	150/-65	0	1000	80	0
LG16ABAALL	L	113302	R3	CY8C20236A-24LKXA	150/-65	0	500	80	0
LG16ABAALL	L	113302	R3	CY8C20236A-24LKXA	150/-65	0	1000	80	0
LG16AAAAL	MB	AR1043042	R1	CY8C20236A-24LKXIT	150/-65	0	500	20	0
LG16AAAAL	MB	AR1043042	R1	CY8C20236A-24LKXIT	150/-65	0	1000	20	0
LG16AAAAL	MB	AR1050032	R1	CY8C20236A-24LKXIT	150/-65	0	500	19	0
LG16AAAAL	MB	AR1050032	R1	CY8C20236A-24LKXIT	150/-65	0	1000	19	0
LG16AAAAL	MB	MR111011	R1	CY8C20236A-24LKXIT	150/-65	0	500	30	0
LG16AAAAL	MB	MR111011	R1	CY8C20236A-24LKXIT	150/-65	0	1000	30	0
LG16AAAAL	MB	MR112021	R1	CY8C20236A-24LKXIT	150/-65	0	500	30	0
LG16AAAAL	MB	MR112021	R1	CY8C20236A-24LKXIT	150/-65	0	1000	30	0



LG16ABAALL	L	NR111001	R1	CY8C20236A-24LKXIKL	150/-65	0	500	30	0
LG16ABAALL	L	NR111001	R1	CY8C20236A-24LKXIKL	150/-65	0	1000	30	0
LG16ABAALL	L	NR111001	R2	CY8C20236A-24LKXIKL	150/-65	0	500	30	0
LG16ABAALL	L	NR111001	R2	CY8C20236A-24LKXIKL	150/-65	0	1000	30	0
LG16ABAALL	L	NR111001	R3	CY8C20236A-24LKXIKL	150/-65	0	500	30	0
LG16ABAALL	L	NR111001	R3	CY8C20236A-24LKXIKL	150/-65	0	1000	30	0
LG16AAAAL	MB	NR111002	R1	CY8C20236A-24LKXI	150/-65	0	500	30	0
LG16AAAAL	MB	NR111002	R1	CY8C20236A-24LKXI	150/-65	0	1000	30	0
LG16AAAAL	MB	NR111002	R2	CY8C20236A-24LKXI	150/-65	0	500	30	0
LG16AAAAL	MB	NR111002	R2	CY8C20236A-24LKXI	150/-65	0	1000	30	0
LG16AAAAL	MB	NR111002	R3	CY8C20236A-24LKXI	150/-65	0	500	30	0
LG16AAAAL	MB	NR111002	R3	CY8C20236A-24LKXI	150/-65	0	1000	30	0

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

34 records

Sum

1677 0

QFN (Punch Type, Pb-Free)

LY48EGAGL	L	MR104047	R1	CYWUSB6953-48LFXC	150/-65	0	1000	30	0
LY40CGAGR	L	MR111027	R1	CYRF69213-40LFXC	150/-65	0	500	30	0
LY40CGAGR	L	MR111027	R1	CYRF69213-40LFXC	150/-65	0	1000	30	0
LY56DGAGL	L	MR111040	R1	CY8C24894-24LFXIT	150/-65	0	500	30	0
LY56DGAGL	L	MR111040	R1	CY8C24894-24LFXIT	150/-65	0	1000	30	0
LY40CGAGR	L	MR112018	R1	CYRF69213-40LFXC	150/-65	0	500	30	0
LY40CGAGR	L	MR112018	R1	CYRF69213-40LFXC	150/-65	0	1000	30	0
LY24BGAGL	L	MR112059	R1	CY8C21323-24LFXIT	150/-65	0	500	30	0
LY24BGAGL	L	MR112059	R1	CY8C21323-24LFXIT	150/-65	0	1000	30	0

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

9 records

Sum

270 0



QFN (Saw Type, Pb-Free)

LQ32EPDAGL	RA	103605	R2	CY8C20466A-24LQXIES	150/-65	0	1000	80	0
LQ32EPDAGL	RA	104403	R1	CY8C20466A-24LQXIES	150/-65	0	1000	79	0
LQ48ACAAAL	L	104807	R1	CY8CTMA301E-48LQXI	150/-65	0	500	80	0
LQ48ACAAAL	L	104807	R2	CY8CTMA301E-48LQXI	150/-65	0	500	80	0
LQ48ACAAAL	L	104807	R3	CY8CTMA301E-48LQXI	150/-65	0	500	80	0
LQ56ABAAAL	MB	110707	R1	CY8C24794-24LQXI	150/-65	0	500	77	0
LQ56ABAAAL	MB	110707	R1	CY8C24794-24LQXI	150/-65	0	1000	77	0
LQ56ABAAAL	MB	110707	R2	CY8C24794-24LQXI	150/-65	0	500	77	0
LQ56ABAAAL	MB	110707	R2	CY8C24794-24LQXI	150/-65	0	1000	77	0
LQ56ABAAAL	MB	110707	R3	CY8C24794-24LQXI	150/-65	0	500	77	0
LQ56ABAAAL	MB	110707	R3	CY8C24794-24LQXI	150/-65	0	1000	77	0
LT40ABAAAL	G	111812	R1	CYRF6936B-40LTXC	150/-65	0	500	77	0
LT40ABAAAL	G	111812	R1	CYRF6936B-40LTXC	150/-65	0	1000	77	0
LT32BBAAAL	G	111812	R2	CY7C60323-LTXC	150/-65	0	500	80	0
LT32BBAAAL	G	111812	R2	CY7C60323-LTXC	150/-65	0	1000	80	0
LT40ABAAAL	G	111812	R3	CYRF6936B-40LTXC	150/-65	0	500	80	0
LT40ABAAAL	G	111812	R3	CYRF6936B-40LTXC	150/-65	0	1000	80	0
LT56YAAAAL	G	111816	R1	CY7C65640A-LSXC	150/-65	0	500	80	0
LT56YAAAAL	G	111816	R1	CY7C65640A-LSXC	150/-65	0	1000	80	0
LT68YAAAAL	G	111816	R2	CY8CLE04-68LTXI	150/-65	0	500	79	0
LT68YAAAAL	G	111816	R2	CY8CLE04-68LTXI	150/-65	0	1000	79	0
LT56BAAAAL	G	111816	R3	CP6241DMT	150/-65	0	500	80	0
LT56BAAAAL	G	111816	R3	CP6241DMT	150/-65	0	1000	80	0
LQ32AQAAAL	G	112104	R1	CY8C21434B-24LQXI	150/-65	0	500	80	0
LQ32QAAAAL	G	112104	R2	CY8C23533-24LQXI	150/-65	0	500	80	0
LQ36AQAAAL	G	112104	R3	CY8CTMA340-LQI-01	150/-65	0	500	80	0
LQ56AQAAAL	G	112105	R1	CY8C24794-24LQXI	150/-65	0	500	80	0
LQ56AQAAAL	G	112105	R1	CY8C24794-24LQXI	150/-65	0	1000	80	0



LQ56AQAAAL	G	112105	R2	CY8C24794-24LQXI	150/-65	0	500	80	0
LQ56AQAAAL	G	112105	R2	CY8C24794-24LQXI	150/-65	0	1000	80	0
LQ48AQAAAL	G	112105	R3	CY8CTMA301E5-48LQXI	150/-65	0	500	79	0
LQ48AQAAAL	G	112105	R3	CY8CTMA301E5-48LQXI	150/-65	0	1000	79	0
LT40BQAAAL	G	112106	R1	CYRF69103-40LTXCES	150/-65	0	1000	79	0
LT48EQAAAL	G	112106	R2	CYWUSB6953-48LTXC	150/-65	0	1000	79	0
LT40BQAAAL	G	112106	R3	CYRF69103-40LTXCES	150/-65	0	1000	80	0
LT48AQAAAL	G	112107	R1	CY8CLED16-48LTXI	150/-65	0	500	80	0
LT48CQAAAL	G	112107	R2	CYWUSB6934-48LTXC	150/-65	0	500	77	0
LT48DQAAAL	G	112107	R3	CY8C3866LTI-068	150/-65	0	500	80	0
LT48DQAAAL	G	112107	R3	CY8C3866LTI-068	150/-65	0	1000	80	0
LQ24AQAAAL	G	112108	R1	CY7C68003-24LQXI	150/-65	0	500	80	0
LQ24AQAAAL	G	112108	R2	CY7C68003-24LQXI	150/-65	0	500	80	0
LQ24AQAAAL	G	112108	R3	CY7C68003-24LQXI	150/-65	0	500	80	0
LT88AAAAAL	RA	113002	R1A	CY8CTMA884LTI-13ES	150/-65	0	200	77	0
LT88AAAAAL	RA	113002	R1A	CY8CTMA884LTI-13ES	150/-65	0	500	75	0
LT88AAAAAL	RA	113002	R1A	CY8CTMA884LTI-13ES	150/-65	0	1000	72	0
LT88AAAAAL	RA	113002	R1B	CY8CTMA884LTI-13ES	150/-65	0	500	77	0
LT88AAAAAL	RA	113002	R1B	CY8CTMA884LTI-13ES	150/-65	0	1000	76	0
LT88AAAAAL	RA	113002	R1C	CY8CTMA884LTI-13ES	150/-65	0	200	77	0
LT88AAAAAL	RA	113002	R1C	CY8CTMA884LTI-13ES	150/-65	0	500	74	0
LT88AAAAAL	RA	113002	R2	CY8CTMA884LTI-13ES	150/-65	0	500	77	0
LT88AAAAAL	RA	113002	R2	CY8CTMA884LTI-13ES	150/-65	0	1000	76	0
LT88AAAAAL	RA	113002	R2A	CY8CTMA884LTI-13ES	150/-65	0	200	77	0
LT88AAAAAL	RA	113002	R2A	CY8CTMA884LTI-13ES	150/-65	0	500	76	0
LT88AAAAAL	RA	113002	R3A	CY8CTMA884LTI-13ES	150/-65	0	200	77	0
LT88AAAAAL	RA	113002	R3A	CY8CTMA884LTI-13ES	150/-65	0	500	74	0
LT88ABAAAL	L	113802	R1	CY8CTMA884LTI-13ES	150/-65	0	200	77	0
LT88ABAAAL	L	113802	R1	CY8CTMA884LTI-13ES	150/-65	0	500	75	0



LT88ABAAAL	L	113802	R2	CY8CTMA884LTI-13ES	150/-65	0	200	76	0
LT88ABAAAL	L	113802	R2	CY8CTMA884LTI-13ES	150/-65	0	500	74	0
LT88ABAAAL	L	113802	R3	CY8CTMA884LTI-13ES	150/-65	0	200	77	0
LT88ABAAAL	L	113802	R3	CY8CTMA884LTI-13ES	150/-65	0	500	75	0
LT32BABCGL	RA	AR1028017	R1	CG7297AMT	150/-65	0	1000	20	0
LT32BABCGL	RA	AR1030014	R1	CG7297AMT	150/-65	0	1000	20	0
LT32BABCGL	RA	AR1030017	R1	CG7297AMT	150/-65	0	1000	18	0
LQ24ACAAL	AT	MR103051	R1	CY7C68003-24LQXIT	150/-65	0	1000	28	0
LT40ACAAGL	AE	MR104030	R1	CS7258AA	150/-65	0	1000	30	0
LQ32CCAAL	CA	MR104033	R1	CP7203CTT	150/-65	0	1000	30	0
LT48ABBAAL	MB	MR104045	R1	CP7245BT	150/-65	0	1000	30	0
LT32BAAAAGL	CA	MR104067	R1	CY8C24423A-24LTXI	150/-65	0	1000	30	0
LQ24ABAAL	AT	MR111001	R1	CP7262ATT	150/-65	0	500	30	0
LQ24ABAAL	AT	MR111001	R1	CP7262ATT	150/-65	0	1000	30	0
LQ24ABAAL	AT	MR111002	R1	CP7262ATT	150/-65	0	500	30	0
LQ24ABAAL	AT	MR111002	R1	CP7262ATT	150/-65	0	1000	30	0
LQ36ABAAAL	RA	MR111009	R1	CY8CTMA340-LQI-01T	150/-65	0	500	30	0
LQ36ABAAAL	RA	MR111009	R1	CY8CTMA340-LQI-01T	150/-65	0	1000	30	0
LT48ACBAAL	MB	MR111033	R1	CY8C27643-24LTXIT	150/-65	0	500	30	0
LT48ACBAAL	MB	MR111033	R1	CY8C27643-24LTXIT	150/-65	0	1000	30	0
LT32BAAAAGL	CA	MR111044	R1	CY8C21434-24LTXI	150/-65	0	500	30	0
LT32BAAAAGL	CA	MR111044	R1	CY8C21434-24LTXI	150/-65	0	1000	30	0
LQ36AAAAAN	MB	MR111045	R1	CY8CTMA3405-LQI-01	150/-65	0	500	30	0
LQ36AAAAAN	MB	MR111045	R1	CY8CTMA3405-LQI-01	150/-65	0	1000	30	0
LT48ABBAAL	MB	MR112022	R1	CP7245BT	150/-65	0	500	30	0
LT48ABBAAL	MB	MR112022	R1	CP7245BT	150/-65	0	1000	30	0
LQ32EPDAGL	RA	MR112023	R1	CY8C20446A-24LQXIT	150/-65	0	500	30	0
LQ32EPDAGL	RA	MR112023	R1	CY8C20446A-24LQXIT	150/-65	0	1000	30	0
LT56BDAAGL	AE	MR112027	R1	CY7C64215-56LTXC	150/-65	0	500	30	0



LT56BDAAGL	AE	MR112027	R1	CY7C64215-56LTXC	150/-65	0	1000	30	0
LQ48AAAAAL	R	MR113039	R1	CY8CTMA340-48LQI-01	150/-65	0	500	30	0
LQ48AAAAAL	R	MR113039	R1	CY8CTMA340-48LQI-01	150/-65	0	1000	30	0
LT32BAAAGL	CA	MR112014	R1	CY8C21434-24LTXI	150/-65	0	500	30	0
LT32BAAAGL	CA	MR112014	R1	CY8C21434-24LTXI	150/-65	0	1000	30	0
LQ32DAGLL	CA	MR112017	R1	CY8C20446A-24LQXIT	150/-65	0	500	30	0
LQ32DAGLL	CA	MR112017	R1	CY8C20446A-24LQXIT	150/-65	0	1000	30	0
LQ32DAGLL	CA	MR113038	R1	CY8C20446A-24LQXIT	150/-65	0	500	29	0
LQ32DAGLL	CA	MR113038	R1	CY8C20446A-24LQXIT	150/-65	0	1000	29	0
LT32BAABGL	RA	MR111034	R1	CY8C21434-24LTXIT	150/-65	0	500	30	0
LT32BAABGL	RA	MR111034	R1	CY8C21434-24LTXIT	150/-65	0	1000	30	0
LQ24AAAAAL	RA	MR111042	R1	CY8C20324-12LQXI	150/-65	0	500	30	0
LQ24AAAAAL	RA	MR111042	R1	CY8C20324-12LQXI	150/-65	0	1000	30	0
LT68ADAAGL	RA	100401	R1	CY8C3866LTI-030ES2	150/-65	0	1000	2	0
LT68ADAAGL	RA	100401	R2	CY8C3866LTI-030ES2	150/-65	0	1000	10	0
LT88AAAAAL	RA	113002	R1C	CY8CTMA884LTI-13ES	150/-65	0	1000	72	0
LT88AAAAAL	RA	113002	R3	CY8CTMA884LTI-13ES	150/-65	0	500	76	0
LT88AAAAAL	RA	113002	R3	CY8CTMA884LTI-13ES	150/-65	0	1000	65	0
LQ48AAAAAL	RA	113211	R1	CY8CTMA340-48LQI-09	150/-65	0	500	80	0
LQ48AAAAAL	RA	113211	R1	CY8CTMA340-48LQI-09	150/-65	0	500	80	0
LQ48AAAAAL	RA	113211	R1	CY8CTMA340-48LQI-09	150/-65	0	1000	79	0
LQ48AAAAAL	RA	113211	R1B	CY8CTMA340-48LQI-09	150/-65	0	500	78	0
LQ48AAAAAGL	RA	113905	R1	CY8CTMA443-48LQIES2	150/-65	0	500	83	0
LQ48AAAAAGL	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

Summary for Package Family: QFN (Saw Type, Pb-Free) 119

records

Sum

7295 0

QSOP (Pb-Free)

SQ2414ABGN	R	MR111076	R1	CY7C63743C-QXC	150/-65	0	500	30	0
SQ2414ABGN	R	MR111076	R1	CY7C63743C-QXC	150/-65	0	1000	30	0

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

records

Sum

60 0

SNC (Pb-Free)

SY2831BCLN	JT	104811	R1	CY62256NLL-70SNXC	150/-65	0	500	79	0
SY2831BCLN	JT	104811	R1	CY62256NLL-70SNXC	150/-65	0	1000	79	0
SY2831BCLN	JT	104812	R1	CY62256NLL-70SNXC	150/-65	0	500	79	0
SY2831BCLN	JT	104812	R1	CY62256NLL-70SNXC	150/-65	0	1000	79	0
SY2831BHN	JT	105208	R1	CY62256NLL-70SNXA	150/-65	0	500	87	0
SY2831BHN	JT	105208	R1	CY62256NLL-70SNXA	150/-65	0	1000	82	0
SY2831BHN	JT	105208	R2	CY62256V NLL-70SNXE	150/-65	0	500	90	0
SY2831BHN	JT	105208	R2	CY62256V NLL-70SNXE	150/-65	0	1000	90	0
SY2831BHN	JT	105208	R3	7A622574NDC	150/-65	0	500	89	0
SY2831BHN	JT	105208	R3	7A622574NDC	150/-65	0	1000	89	0
SY2831BHN	JT	111401	R1	7A622574NDC	150/-65	0	500	99	0
SY2831BHN	JT	111401	R1	7A622574NDC	150/-65	0	1000	89	0
SY2831BHN	JT	111401	R2	CY62256NLL-70SNXA	150/-65	0	500	100	0
SY2831BHN	JT	111401	R2	CY62256NLL-70SNXA	150/-65	0	1000	90	0
SY2831BHN	JT	111401	R3	CY6264-70SNXA	150/-65	0	500	100	0
SY2831BHN	JT	111401	R3	CY6264-70SNXA	150/-65	0	1000	90	0



SY2831BBLN	R	MR112034	R1	CY62256NLL-55SNXI	150/-65	0	500	30	0
SY2831BBLN	R	MR112034	R1	CY62256NLL-55SNXI	150/-65	0	1000	30	0
SY2831BBLN	R	MR113001	R1	CG6715AMT	150/-65	0	500	30	0
SY2831BBLN	R	MR113001	R1	CG6715AMT	150/-65	0	1000	30	0

Summary for Package Family: SNC (Pb-Free) 20

records

Sum

1531 0

SOIC

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

Summary for Package Family: SOIC 4

records

Sum

100 0

SOIC (Pb Free)

SZ815YAALN	RA	102204	R1	CY14B101Q2A-SXI	150/-65	0	1000	80	0
SZ815WAGN	M	103507	R1	CY14C101J2-SXI	150/-65	0	500	77	0
SZ815WAGN	M	103507	R1	CY14C101J2-SXI	150/-65	0	1000	77	0
SZ815WAGN	M	103507	R2	CY14B101Q2A-SXI	150/-65	0	500	80	0
SZ815WAGN	M	103507	R2	CY14B101Q2A-SXI	150/-65	0	1000	80	0
SZ815WAGN	M	103507	R3	CY14B101Q1A-SXI	150/-65	0	500	77	0
SZ815WAGN	M	103507	R3	CY14B101Q1A-SXI	150/-65	0	1000	77	0
SZ183CPBAN	RA	103603	R1	CY7C63813-SXC	150/-65	0	1000	79	0
SZ183CPCAN	RA	103603	R2	CY7C63231A-SXC	150/-65	0	1000	80	0
SZ183CPBAN	RA	103603	R3	CY7C63813-SXC	150/-65	0	1000	79	0
SZ183CPCAN	RA	103603	R4	CY7C63231A-SXC	150/-65	0	500	80	0
SZ183CPCAN	RA	103603	R5	CY7C63231A-SXC	150/-65	0	500	80	0
SZ183CPCAN	RA	103603	R6	CY7C63231A-SXC	150/-65	0	500	80	0
SZ815YAALN	RA	103902	R1	CY14B101Q2A-SXI	150/-65	0	1000	80	0
SZ815YAALN	RA	103902	R2	CY14C101Q1A-SXI	150/-65	0	500	80	0



SZ815YAALN	RA	103902	R2	CY14C101Q1A-SXI	150/-65	0	1000	80	0
SZ815YAALN	RA	103902	R3	CY14E101J2-SXI	150/-65	0	500	82	0
SZ815YAALN	RA	103902	R3	CY14E101J2-SXI	150/-65	0	1000	82	0
SZ32457LN	R	110708	R1	7A62128KC	150/-65	0	500	77	0
SZ32457LN	R	110708	R1	7A62128KC	150/-65	0	1000	72	0
SZ32457LN	R	110708	R2	7A62128KC	150/-65	0	500	69	0
SZ32457LN	R	110708	R2	7A62128KC	150/-65	0	1000	64	0
SZ32457LN	R	110708	R3	7A62128KC	150/-65	0	500	77	0
SZ32457LN	R	110708	R3	7A62128KC	150/-65	0	1000	72	0
SZ32451ALL	JT	110902	R1	CY62148BNLL-70SXI	150/-65	0	500	80	0
SZ32451ALL	JT	110902	R1	CY62148BNLL-70SXI	150/-65	0	1000	79	0
SZ32451DLL	JT	110902	R2	CG6713AM	150/-65	0	500	80	0
SZ32451DLL	JT	110902	R2	CG6713AM	150/-65	0	1000	80	0
SZ32457CLN	JT	110902	R3	CG6707AM	150/-65	0	500	79	0
SZ32457CLN	JT	110902	R3	CG6707AM	150/-65	0	1000	79	0
SZ324513AN	JT	111411	R1	7A62128ZHC	150/-65	0	500	85	0
SZ324513AN	JT	111411	R1	7A62128ZHC	150/-65	0	1000	80	0
SZ32457ALN	JT	111411	R2	7A62128KC	150/-65	0	500	80	0
SZ32457ALN	JT	111411	R2	7A62128KC	150/-65	0	1000	80	0
SZ32457ALN	JT	111411	R3	7A62128KC	150/-65	0	500	80	0
SZ32457ALN	JT	111411	R3	7A62128KC	150/-65	0	1000	80	0
SZ324513AN	JT	111412	R1	CY62128BNLL-70SXA	150/-65	0	500	100	0
SZ324513AN	JT	111412	R1	CY62128BNLL-70SXA	150/-65	0	1000	90	0
SZ32457ALN	JT	111412	R2	CY62128ELL-55ZAXE	150/-65	0	500	100	0
SZ32457ALN	JT	111412	R2	CY62128ELL-55ZAXE	150/-65	0	1000	90	0
SZ32457ALN	JT	111412	R3	CY62128ELL-55ZAXE	150/-65	0	500	100	0
SZ32457ALN	JT	111412	R3	CY62128ELL-55ZAXE	150/-65	0	1000	90	0
SZ815CGAN	M	AR1032019	R1	CP7263ATT	150/-65	0	1000	15	0
SZ815CGAN	M	AR1043020	R1	CY8C21123-24SXI	150/-65	0	500	20	0



SZ815CGAN	M	AR1043020	R1	CY8C21123-24SXI	150/-65	0	1000	20	0
SZ1615DGN	M	AR1043021	R1	CY8C21234-24SXI	150/-65	0	500	20	0
SZ1615DGN	M	AR1043021	R1	CY8C21234-24SXI	150/-65	0	1000	20	0
SZ815KAGN	M	AR1050040	R1	CY25100SXI-050T	150/-65	0	500	20	0
SZ815KAGN	M	AR1050040	R1	CY25100SXI-050T	150/-65	0	1000	19	0
SZ815PADGN	RA	AR1105010	R1	CY2305CSXC-1T	150/-65	0	500	16	0
SZ815KAGN	M	AR1105019	R1	CYIFS731SXCT	150/-65	0	500	20	0
SZ815KAGN	M	AR1105019	R1	CYIFS731SXCT	150/-65	0	1000	20	0
SZ815CGAN	M	AR1105021	R1	CP6789AMT	150/-65	0	500	20	0
SZ815CGAN	M	AR1105021	R1	CP6789AMT	150/-65	0	1000	20	0
SZ815CGAN	M	AR1105022	R1	CP7202ATT	150/-65	0	500	20	0
SZ815CGAN	M	AR1105022	R1	CP7202ATT	150/-65	0	1000	20	0
SZ815CGAN	M	AR1105023	R1	CY8C21123-24SXI	150/-65	0	500	20	0
SZ815CGAN	M	AR1105023	R1	CY8C21123-24SXI	150/-65	0	1000	20	0
SZ815CGAN	M	AR1105024	R1	CY8C21123-24SXI	150/-65	0	500	20	0
SZ815CGAN	M	AR1105024	R1	CY8C21123-24SXI	150/-65	0	1000	20	0
SZ815CGAN	M	AR1105025	R1	CY8C21123-24SXI	150/-65	0	500	20	0
SZ815CGAN	M	AR1105025	R1	CY8C21123-24SXI	150/-65	0	1000	20	0
SZ815CGAN	M	AR1105027	R1	CP6789AMT	150/-65	0	500	20	0
SZ815CGAN	M	AR1105027	R1	CP6789AMT	150/-65	0	1000	20	0
SZ815CGAN	M	AR1105028	R1	CY8C21123-24SXI	150/-65	0	500	19	0
SZ815CGAN	M	AR1105028	R1	CY8C21123-24SXI	150/-65	0	1000	19	0
SZ323AEGAS	M	AR1111024	R1	CY14B256LA-SZ45XIT	150/-65	0	500	20	0
SZ323AEGAS	M	AR1111024	R1	CY14B256LA-SZ45XIT	150/-65	0	1000	18	0
SZ815CGAN	M	AR1112024	R1	CY8C24123A-24SXIT	150/-65	0	500	20	0
SZ815CGAN	M	AR1112025	R1	CY8C24123A-24SXIT	150/-65	0	500	20	0
SZ815CGAN	M	AR1112027	R1	CY8C24123A-24SXI	150/-65	0	500	20	0
SZ815KAGN	M	AR1112029	R1	CY25100SXI-050T	150/-65	0	500	20	0
SZ815KAGN	M	AR1112029	R1	CY25100SXI-050T	150/-65	0	1000	20	0



SZ815CGAAS	M	AR1112030	R1	CY2305CSXA-1HT	150/-65	0	500	20	0	
SZ815CGAAS	M	AR1112030	R1	CY2305CSXA-1HT	150/-65	0	1000	20	0	
SZ815CGAAS	M	AR1115029	R1	CY2305CSXA-1HT	150/-65	0	500	20	0	
SZ815CGAAS	M	AR1115029	R1	CY2305CSXA-1HT	150/-65	0	1000	20	0	
SZ0815TAGN	T	AR1118024	R1	CY25402SXC-007T	150/-65	0	500	19	0	
SZ0815TAGN	T	AR1118024	R1	CY25402SXC-007T	150/-65	0	1000	19	0	
SZ1615FAL	T	MR104069	R1	CY8C20160-SX2IT	150/-65	0	1000	30	0	
SZ28327BGL	R	MR104070	R1	CY8C21345-24SXI	150/-65	0	500	30	0	
SZ28327BGL	R	MR104070	R1	CY8C21345-24SXI	150/-65	0	1000	30	0	
SZ28327BGL	R	MR111003	R1	CY8C27443-24SXIT	150/-65	0	500	30	0	
SZ28327BGL	R	MR111003	R1	CY8C27443-24SXIT	150/-65	0	1000	30	0	
SZ24315EGN	RA	MR111006	R1	CY7C63743C-SXCT	150/-65	0	500	30	0	
SZ24315EGN	RA	MR111006	R1	CY7C63743C-SXCT	150/-65	0	1000	30	9	MR111006-1T2 Cut wedge
SZ815PAEGN	RA	MR111030	R1	CY2305SXC-1HT	150/-65	0	500	30	0	
SZ815PAEGN	RA	MR111030	R1	CY2305SXC-1HT	150/-65	0	1000	30	0	
SZ323ACAGR	M	MR111038	R1	STK14C88-3NF45TR	150/-65	0	500	30	0	
SZ323ACAGR	M	MR111038	R1	STK14C88-3NF45TR	150/-65	0	1000	30	0	
SZ1615FAL	T	MR111046	R1	CY2309CSXC-1	150/-65	0	500	30	0	
SZ1615FAL	T	MR111046	R1	CY2309CSXC-1	150/-65	0	1000	30	0	
SZ815CGAN	M	MR111053	R1	CY8C24123A-24SXI	150/-65	0	500	30	0	
SZ815CGAN	M	MR111053	R1	CY8C24123A-24SXI	150/-65	0	1000	30	0	
SZ28327BGL	R	MR111055	R1	CY8C27443-24SXIT	150/-65	0	500	30	0	
SZ28327BGL	R	MR111055	R1	CY8C27443-24SXIT	150/-65	0	1000	30	0	
SZ324513N	R	MR111064	R1	CY62128BNLL-70SXET	150/-65	0	500	29	0	
SZ324513N	R	MR111064	R1	CY62128BNLL-70SXET	150/-65	0	1000	28	0	
SZ1615KDGN	RA	MR112010	R1	CY2292FXC	150/-65	0	500	30	0	
SZ1615KDGN	RA	MR112010	R1	CY2292FXC	150/-65	0	1000	30	0	
SZ815DAGN	M	AR1121026	R1	CY2907FX8T	150/-65	0	500	20	0	
SZ815DAGN	M	AR1121026	R1	CY2907FX8T	150/-65	0	1000	20	0	



SZ323ABAGS	M	MR101047	R1	CY14B101L-SZ45XC	150/-65	0	500	28	0
SZ323ABAGS	M	MR101047	R1	CY14B101L-SZ45XC	150/-65	0	1000	26	0
SZ323AEGAS	M	MR112031	R1	CY14B256LA-SZ45XIT	150/-65	0	500	30	0
SZ323AEGAS	M	MR112031	R1	CY14B256LA-SZ45XIT	150/-65	0	1000	29	0
SZ24315EGN	RA	MR112032	R1	CY7C63743C-SXC	150/-65	0	500	30	0
SZ24315EGN	RA	MR112032	R1	CY7C63743C-SXC	150/-65	0	1000	29	0
SZ324513N	R	MR112035	R1	CY62128BNLL-70SXET	150/-65	0	500	30	0
SZ324513N	R	MR112035	R1	CY62128BNLL-70SXET	150/-65	0	1000	29	0
SZ815PAEGN	RA	MR114001	R1	CY2305SXI-1H	150/-65	0	500	30	0
SZ815PAEGN	RA	MR114001	R1	CY2305SXI-1H	150/-65	0	1000	30	0
SZ0815TAGN	T	111403	R1	CY25402SXC-007	150/-65	0	500	80	0
SZ0815TAGN	T	111403	R1	CY25402SXC-007	150/-65	0	1000	80	0
SZ0815TAGN	T	111403	R2	CY25402SXC-007	150/-65	0	500	80	0
SZ0815TAGN	T	111403	R2	CY25402SXC-007	150/-65	0	1000	80	0
SZ0815TAGN	T	111403	R3	CY25402SXC-007	150/-65	0	500	80	0
SZ0815TAGN	T	111403	R3	CY25402SXC-007	150/-65	0	1000	80	0
SZ28	JT	113907	R1	8C294665A	150/-65	0	500	77	0
SZ28327BGL	JT	113907	R2	8C294665A	150/-65	0	500	77	0
SZ28	JT	113907	R3	8C294665A	150/-65	0	500	77	0
Summary for Package Family: SOIC (Pb Free)			121	records					
Sum								5786	9
SOJ									
V3645BGBLN	JT	110907	R1	7C1549SCC	150/-65	0	500	80	0
V3645BGBLN	JT	110907	R1	7C1549SCC	150/-65	0	1000	80	0
V243GAAAGN	X	MR112050	R1	CY7C197BN-15VCT	150/-65	0	500	30	0
V243GAAAGN	X	MR112050	R1	CY7C197BN-15VCT	150/-65	0	1000	30	0
Summary for Package Family: SOJ			4	records					
Sum								220	0
SOJ (Pb-Free)									



VZ32422CLL	JT	104805	R1	CY7C1046D-10VXI	150/-65	0	500	77	0
VZ32422CLL	JT	104805	R1	CY7C1046D-10VXI	150/-65	0	1000	77	0
VZ32421CLL	JT	104805	R2	CY7C1019CV33-15VXC	150/-65	0	500	80	0
VZ32421CLL	JT	104805	R2	CY7C1019CV33-15VXC	150/-65	0	1000	80	0
VZ32420DLL	JT	104805	R3	CY7C109D-10VXI	150/-65	0	500	80	0
VZ32420DLL	JT	104805	R3	CY7C109D-10VXI	150/-65	0	1000	80	0
VZ32422CLL	JT	104809	R1	CY7C1046D-10VXI	150/-65	0	500	77	0
VZ32422CLL	JT	104809	R1	CY7C1046D-10VXI	150/-65	0	1000	77	0
VZ32421CLL	JT	104809	R2	CY7C1019CV33-15VXC	150/-65	0	500	80	0
VZ32421CLL	JT	104809	R2	CY7C1019CV33-15VXC	150/-65	0	1000	80	0
VZ32420DLL	JT	104809	R3	CY7C109D-10VXI	150/-65	0	500	80	0
VZ28313CLN	JT	104811	R2	CY7C1399BN-12VXC	150/-65	0	500	77	0
VZ28313CLN	JT	104811	R2	CY7C1399BN-12VXC	150/-65	0	1000	77	0
VZ28313CLN	JT	104811	R3	CY7C1399BN-12VXC	150/-65	0	500	77	0
VZ28313CLN	JT	104811	R3	CY7C1399BN-12VXC	150/-65	0	1000	77	0
VZ28313CLN	JT	104812	R2	CY7C1399BN-12VXC	150/-65	0	500	77	0
VZ28313CLN	JT	104812	R2	CY7C1399BN-12VXC	150/-65	0	1000	77	0
VZ28311LLL	JT	105206	R1	CY7C199CN	150/-65	0	500	90	0
VZ28311LLL	JT	105206	R1	CY7C199CN	150/-65	0	1000	85	0
VZ28311LLL	JT	105206	R2	CY7C199CN	150/-65	0	500	89	0
VZ28311LLL	JT	105206	R2	CY7C199CN	150/-65	0	1000	89	0
VZ28311LLL	JT	105206	R3	CY7C199CN	150/-65	0	500	90	0
VZ28311LLL	JT	105206	R3	CY7C199CN	150/-65	0	1000	90	0
VZ28311LLL	JT	105207	R1	CY7C199CN	150/-65	0	500	90	0
VZ28311LLL	JT	105207	R1	CY7C199CN	150/-65	0	1000	85	0
VZ28311LLL	JT	105207	R2	CY7C199CN	150/-65	0	500	89	0
VZ28311LLL	JT	105207	R2	CY7C199CN	150/-65	0	1000	89	0
VZ28311LLL	JT	105207	R3	CY7C199CN	150/-65	0	500	90	0
VZ28311LLL	JT	105207	R3	CY7C199CN	150/-65	0	1000	90	0



VZ444ADCLN	JT	110907	R2	CY7C1041DV33-10VXI	150/-65	0	500	80	0
VZ444ADCLN	JT	110907	R2	CY7C1041DV33-10VXI	150/-65	0	1000	79	0
VZ444ACCLN	JT	110907	R3	CY7C1021D-10VXI	150/-65	0	500	80	0
VZ444ACCLN	JT	110907	R3	CY7C1021D-10VXI	150/-65	0	1000	80	0
VZ444YBLL	JT	111804	R1	7A134101FC	150/-65	0	500	84	0
VZ444YBLL	JT	111804	R1	7A134101FC	150/-65	0	1000	79	0
VZ444WHGL	JT	111804	R2	7A1021SFC	150/-65	0	500	80	0
VZ444WHGL	JT	111804	R2	7A1021SFC	150/-65	0	1000	80	0
VZ444ZCLL	JT	111804	R3	7A122101GC	150/-65	0	500	84	0
VZ444ZCLL	JT	111804	R3	7A122101GC	150/-65	0	1000	82	0
VZ2439ABGS	X	AR1108023	R1	CY7C128A-20VXCT	150/-65	0	500	20	0
VZ2847AAAR	O	MR103054	R1	CY7C106D-10VXI	150/-65	0	1000	30	0
VZ2847AAAR	OP	MR104080	R1	CY7C107D-10VXI	150/-65	0	500	30	0
VZ2847AAAR	OP	MR104080	R1	CY7C107D-10VXI	150/-65	0	1000	30	0
VZ32314BLL	R	MR111050	R1	CY7C1018DV33-10VXIT	150/-65	0	500	30	0
VZ32314BLL	R	MR111050	R1	CY7C1018DV33-10VXIT	150/-65	0	1000	30	0
VZ2847AAAR	OP	MR111047	R1	CY7C107D-10VXI	150/-65	0	500	30	0
VZ2847AAAR	OP	MR111047	R1	CY7C107D-10VXI	150/-65	0	1000	30	0
VZ444ACBLN	R	MR112008	R1	CY7C1021DV33-10VXI	150/-65	0	500	30	0
VZ444ACBLN	R	MR112008	R1	CY7C1021DV33-10VXI	150/-65	0	1000	30	0

Summary for Package Family: SOJ (Pb-Free) 49

records

Sum

3494 0

SSOP (Pb-Free)

SP282ABAGN	RA	103207	R1	CY8C24494-24PVXI	150/-65	0	1000	79	0
SP483JAAAL	R	104407	R1	CY8C20566A-12PVXE	150/-65	0	500	85	0
SP483JAAAL	R	104407	R2	CY8C20566A-12PVXE	150/-65	0	500	80	0
SP483JAAAL	R	104407	R3	CY8C20566A-12PVXE	150/-65	0	500	80	0
SP563DBC GN	JT	104802	R1	CY7C68001-56PVXC	150/-65	0	500	80	0
SP563DBC GN	JT	104802	R1	CY7C68001-56PVXC	150/-65	0	1000	80	0



SP483JBCLL	JT	104802	R2	CY14B101KA-SP45XI	150/-65	0	500	80	0
SP483JBCLL	JT	104802	R2	CY14B101KA-SP45XI	150/-65	0	1000	80	0
SP563DBC GN	JT	104802	R3	CY7C68013A-56PVXC	150/-65	0	500	80	0
SP563DBC GN	JT	104802	R3	CY7C68013A-56PVXC	150/-65	0	1000	80	0
SP563DBC GN	JT	104810	R1	CY7C68001-56PVXC	150/-65	0	500	80	0
SP563DBC GN	JT	104810	R1	CY7C68001-56PVXC	150/-65	0	1000	80	0
SP483JBCLL	JT	104810	R2	CY14B101KA-SP45XI	150/-65	0	500	80	0
SP483JBCLL	JT	104810	R2	CY14B101KA-SP45XI	150/-65	0	1000	80	0
SP563DBC GN	JT	104810	R3	CY7C68013A-56PVXC	150/-65	0	500	80	0
SP563DBC GN	JT	104810	R3	CY7C68013A-56PVXC	150/-65	0	1000	80	0
SP483JABLL	JT	105201	R1	CY8C29666-12PVXE	150/-65	0	500	84	0
SP483JABLL	JT	105201	R1	CY8C29666-12PVXE	150/-65	0	1000	80	0
SP483JABLL	JT	105201	R2	CY8C21645-12PVXE	150/-65	0	500	85	0
SP483JABLL	JT	105201	R2	CY8C21645-12PVXE	150/-65	0	1000	85	0
SP483JABAL	JT	105201	R3	CY8C20566A-12PVXE	150/-65	0	500	80	0
SP483JABAL	JT	105201	R3	CY8C20566A-12PVXE	150/-65	0	1000	80	0
SP483JABLL	JT	105205	R1	CY8C29666-12PVXE	150/-65	0	500	84	0
SP483JABLL	JT	105205	R1	CY8C29666-12PVXE	150/-65	0	1000	80	0
SP483JABLL	JT	105205	R2	CY8C21645-12PVXE	150/-65	0	500	85	0
SP483JABLL	JT	105205	R2	CY8C21645-12PVXE	150/-65	0	1000	85	0
SP483JABAL	JT	105205	R3	CY8C20566A-12PVXE	150/-65	0	500	80	0
SP483JABAL	JT	105205	R3	CY8C20566A-12PVXE	150/-65	0	1000	80	0
SP282ABBGN	RA	AR1037013	R1	CY8C21534-24PVXI	150/-65	0	500	19	0
SP282ABBGN	RA	AR1037013	R1	CY8C21534-24PVXI	150/-65	0	1000	19	0
SP282ABBGN	RA	AR1040013	R1	CY8C21534-24PVXI	150/-65	0	500	17	0
SP282ABBGN	RA	AR1040013	R1	CY8C21534-24PVXI	150/-65	0	1000	17	0
SP483EBBAL	R	AR1045003	R1	CY8C29666-24PVXI	150/-65	0	500	20	0
SP483EBBAL	R	AR1045003	R1	CY8C29666-24PVXI	150/-65	0	1000	19	0
SP483EBBAL	R	AR1051003	R1	CY8C29666-24PVXIT	150/-65	0	500	20	0



SP483EBBAL	R	AR1051003	R1	CY8C29666-24PVXIT	150/-65	0	1000	20	0
SP483EBBAL	R	AR1052003	R1	CY8C29666-24PVXI	150/-65	0	500	19	0
SP483EBBAL	R	AR1052003	R1	CY8C29666-24PVXI	150/-65	0	1000	19	0
SP483EBBAL	R	AR1103003	R1	CY8C29666-24PVXI	150/-65	0	500	13	0
SP483EBBAL	R	AR1103003	R1	CY8C29666-24PVXI	150/-65	0	1000	13	0
SP483EBBAL	R	AR1105003	R1	CY8C29666-24PVXI	150/-65	0	500	17	0
SP483EBBAL	R	AR1105003	R1	CY8C29666-24PVXI	150/-65	0	1000	17	0
SP483EBBAL	R	AR1108003	R1	CY8C29666-24PVXI	150/-65	0	500	19	0
SP483EBBAL	R	AR1108003	R1	CY8C29666-24PVXI	150/-65	0	1000	17	0
SP483EBBAL	R	AR1109003	R1	CY8C29666-24PVXIT	150/-65	0	500	17	0
SP483EBBAL	R	AR1109003	R1	CY8C29666-24PVXIT	150/-65	0	1000	14	0
SP483EBBAL	R	AR1116003	R1	CY8C29666-24PVXI	150/-65	0	500	17	0
SP483EBBAL	R	AR1116003	R1	CY8C29666-24PVXI	150/-65	0	1000	17	0
SP483EBBAL	R	AR1117003	R1	CY8C29666-24PVXIT	150/-65	0	500	18	0
SP483EBBAL	R	AR1117003	R1	CY8C29666-24PVXIT	150/-65	0	1000	17	0
SP2822BGL	M	AR1117023	R1	CP7407ATT	150/-65	0	500	20	0
SP2822BGL	M	AR1117023	R1	CP7407ATT	150/-65	0	1000	20	0
SP483EBBAL	R	AR1118003	R1	CY8C29666-24PVXIT	150/-65	0	500	20	0
SP483EBBAL	R	AR1118003	R1	CY8C29666-24PVXIT	150/-65	0	1000	18	0
SP483EBCAL	JT	AR1126030	R1	CY8C29666-24PVXIT	150/-65	0	100	20	0
SP483EBCAL	JT	AR1126030	R1	CY8C29666-24PVXIT	150/-65	0	300	20	0
SP483EBCAL	JT	AR1126030	R1	CY8C29666-24PVXIT	150/-65	0	500	19	0
SP483EBCAL	JT	AR1126031	R1	CY8C29666-24PVXIT	150/-65	0	100	17	0
SP483EBCAL	JT	AR1126031	R1	CY8C29666-24PVXIT	150/-65	0	300	17	0
SP483EBCAL	JT	AR1126031	R1	CY8C29666-24PVXIT	150/-65	0	500	15	0
SP483EBCAL	JT	AR1126032	R1	CY8C29666-24PVXIT	150/-65	0	100	20	0
SP483EBCAL	JT	AR1126032	R1	CY8C29666-24PVXIT	150/-65	0	300	20	0
SP483EBCAL	JT	AR1126032	R1	CY8C29666-24PVXIT	150/-65	0	500	20	0
SP483EBCAL	JT	AR1126033	R1	CY8C29666-24PVXIT	150/-65	0	100	20	0



SP483EBCAL	JT	AR1126033	R1	CY8C29666-24PVXIT	150/-65	0	300	20	0
SP483EBCAL	JT	AR1126033	R1	CY8C29666-24PVXIT	150/-65	0	500	20	0
SP483EBCAL	JT	AR1126034	R1	CY8C29666-24PVXIT	150/-65	0	100	19	0
SP483EBCAL	JT	AR1126034	R1	CY8C29666-24PVXIT	150/-65	0	300	19	0
SP483EBCAL	JT	AR1126034	R1	CY8C29666-24PVXIT	150/-65	0	500	19	0
SP483EBCAL	JT	AR1126035	R1	CY8C29666-24PVXIT	150/-65	0	100	20	0
SP483EBCAL	JT	AR1126035	R1	CY8C29666-24PVXIT	150/-65	0	300	20	0
SP483EBCAL	JT	AR1126035	R1	CY8C29666-24PVXIT	150/-65	0	500	14	0
SP483EBCAL	JT	AR1126036	R1	CY8C29666-24PVXIT	150/-65	0	100	20	0
SP483EBCAL	JT	AR1126036	R1	CY8C29666-24PVXIT	150/-65	0	300	20	0
SP483EBCAL	JT	AR1126036	R1	CY8C29666-24PVXIT	150/-65	0	500	17	0
SP483EBCAL	JT	AR1127022	R1	CY8C29666-24PVXI	150/-65	0	100	20	0
SP483EBCAL	JT	AR1127022	R1	CY8C29666-24PVXI	150/-65	0	300	20	0
SP483EBCAL	JT	AR1127022	R1	CY8C29666-24PVXI	150/-65	0	500	20	0
SP483EBCAL	JT	AR1127023	R1	CY8C27643-24PVXI	150/-65	0	500	20	0
SP483EBCAL	JT	AR1128022	R1	CY8C27643-24PVXI	150/-65	0	500	20	0
SP483EBCAL	JT	AR1128023	R1	CY8C29666-24PVXIT	150/-65	0	100	20	0
SP483EBCAL	JT	AR1128023	R1	CY8C29666-24PVXIT	150/-65	0	300	20	0
SP483EBCAL	JT	AR1128023	R1	CY8C29666-24PVXIT	150/-65	0	500	18	0
SP483EBCAL	JT	AR1128024	R1	CY8C29666-24PVXIT	150/-65	0	100	16	0
SP483EBCAL	JT	AR1128024	R1	CY8C29666-24PVXIT	150/-65	0	300	16	0
SP483EBCAL	JT	AR1128024	R1	CY8C29666-24PVXIT	150/-65	0	500	16	0
SP483EBCAL	JT	AR1131037	R1	CY8C27643-24PVXI	150/-65	0	500	20	0
SP483EBCAL	JT	AR1132023	R1	CY8C29666-24PVXI	150/-65	0	500	20	0
SP483EBCAL	JT	AR1133020	R1	CY8C29666-24PVXIT	150/-65	0	100	20	0
SP483EBCAL	JT	AR1133020	R1	CY8C29666-24PVXIT	150/-65	0	300	18	0
SP483EBCAL	JT	AR1133020	R1	CY8C29666-24PVXIT	150/-65	0	500	18	0
SP483EBCAL	JT	AR1134049	R1	CY8C27643-24PVXI	150/-65	0	500	20	0
SP483EBCAL	JT	AR1134050	R1	CY8C27643-24PVXIT	150/-65	0	500	20	0



SP483EBCAL	JT	AR1134050	R1	CY8C27643-24PVXIT	150/-65	0	1000	20	0
SP483EBCAL	JT	AR1134051	R1	CY8C29666-24PVXI	150/-65	0	100	19	0
SP483EBCAL	JT	AR1134051	R1	CY8C29666-24PVXI	150/-65	0	300	19	0
SP483EBCAL	JT	AR1136058	R1	CY8C29666-24PVXI	150/-65	0	100	20	0
SP483EBCAL	JT	AR1136058	R1	CY8C29666-24PVXI	150/-65	0	300	20	0
SP483EBCAL	JT	AR1136059	R1	CY8C29666-24PVXIT	150/-65	0	100	19	0
SP483EBCAL	JT	AR1136059	R1	CY8C29666-24PVXIT	150/-65	0	300	19	0
SP483EBCAL	JT	AR1136060	R1	CY8C29666-24PVXI	150/-65	0	100	19	0
SP483EBCAL	JT	AR1136060	R1	CY8C29666-24PVXI	150/-65	0	300	19	0
SP483EBCAL	JT	AR1136061	R1	CY8C29666-24PVXIT	150/-65	0	100	16	0
SP483EBCAL	JT	AR1136061	R1	CY8C29666-24PVXIT	150/-65	0	300	16	0
SP2822BGL	M	MR103024	R1	CY8C21534-24PVXAT	150/-65	0	1000	30	0
SP483HAAGR	M	MR104061	R1A	CY14B101L-SP35XI	150/-65	0	500	30	0
SP483HAAGR	M	MR104061	R1A	CY14B101L-SP35XI	150/-65	0	1000	30	0
SP483EBBAL	R	MR111004	R1	CY8C29666-24PVXIT	150/-65	0	500	30	0
SP483EBBAL	R	MR111004	R1	CY8C29666-24PVXIT	150/-65	0	1000	30	0
SP2023GAL	T	MR111012	R1	CY8C21323-24PVXIT	150/-65	0	500	30	0
SP2023GAL	T	MR111012	R1	CY8C21323-24PVXIT	150/-65	0	1000	30	0
SP483FBKGN	RA	MR112011	R1	CY8C20536A-24PVXIT	150/-65	0	500	30	0
SP483FBKGN	RA	MR112011	R1	CY8C20536A-24PVXIT	150/-65	0	1000	28	0
SP2822BGL	M	RR112001	R1	CY8C21534-12PVXET	150/-65	0	500	20	0
SP2822BGL	M	RR112001	R1	CY8C21534-12PVXET	150/-65	0	1000	20	0
SP2822BGL	M	RR112001	R10	CY8C21534-12PVXET	150/-65	0	500	20	0
SP2822BGL	M	RR112001	R10	CY8C21534-12PVXET	150/-65	0	1000	20	0
SP2822BGL	M	RR112001	R13	CP7407ATT	150/-65	0	500	20	0
SP2822BGL	M	RR112001	R13	CP7407ATT	150/-65	0	1000	20	0
SP2822BGL	M	RR112001	R14	CP7407ATT	150/-65	0	500	20	0
SP2822BGL	M	RR112001	R14	CP7407ATT	150/-65	0	1000	20	0
SP2822BGL	M	RR112001	R15	CP7407ATT	150/-65	0	500	20	0



SP2822BGL	M	RR112001	R2	CY8C21534-12PVXE	150/-65	0	100	20	0
SP2822BGL	M	RR112001	R20	CY8C29466-12PVXET	150/-65	0	500	20	0
SP2822BGL	M	RR112001	R20	CY8C29466-12PVXET	150/-65	0	1000	20	0
SP2822BGL	M	RR112001	R21	CY8C21534-12PVXET	150/-65	0	500	20	0
SP2822BGL	M	RR112001	R21	CY8C21534-12PVXET	150/-65	0	1000	20	0
SP2822BGL	M	RR112001	R22	CY8C21534-12PVXET	150/-65	0	500	20	0
SP2822BGL	M	RR112001	R22	CY8C21534-12PVXET	150/-65	0	1000	20	0
SP2822BGL	M	RR112001	R27	CY8C29466-12PVXE	150/-65	0	500	20	0
SP2822BGL	M	RR112001	R27	CY8C29466-12PVXE	150/-65	0	1000	19	0
SP2822BGL	M	RR112001	R28	CY8C29466-12PVXE	150/-65	0	500	20	0
SP2822BGL	M	RR112001	R28	CY8C29466-12PVXE	150/-65	0	1000	20	0
SP483EBCAL	JT	RR113011	R1	CY8C29666-24PVXI	150/-65	0	100	13	0
SP483EBCAL	JT	RR113011	R10	CY8C29666-24PVXI	150/-65	0	100	100	0
SP483EBCAL	JT	RR113011	R2	CY8C29666-24PVXI	150/-65	0	100	35	0
SP483EBCAL	JT	RR113011	R3	CY8C29666-24PVXI	150/-65	0	100	50	0
SP483EBCAL	JT	RR113011	R4	CY8C29666-24PVXI	150/-65	0	100	67	0
SP483EBCAL	JT	RR113011	R5	CY8C29666-24PVXIT	150/-65	0	100	11	0
SP483EBCAL	JT	RR113011	R6	CY8C29666-24PVXI	150/-65	0	100	100	0
SP483EBCAL	JT	RR113011	R7	CY8C29666-24PVXI	150/-65	0	100	100	0
SP483EBCAL	JT	RR113011	R8	CY8C29666-24PVXI	150/-65	0	100	100	0
SP483EBCAL	JT	RR113011	R9	CY8C29666-24PVXI	150/-65	0	100	100	0
SP2822BGL	M	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
SP483EBCAL	JT	AR1126030	R1	CY8C29666-24PVXIT	150/-65	0	1000	19	0
SP483EBCAL	JT	AR1126031	R1	CY8C29666-24PVXIT	150/-65	0	1000	13	0
SP483EBCAL	JT	AR1126032	R1	CY8C29666-24PVXIT	150/-65	0	1000	20	0
SP483EBCAL	JT	AR1126033	R1	CY8C29666-24PVXIT	150/-65	0	1000	19	0



SP483EBCAL	JT	AR1126034	R1	CY8C29666-24PVXIT	150/-65	0	1000	19	0
SP483EBCAL	JT	AR1126035	R1	CY8C29666-24PVXIT	150/-65	0	1000	13	0
SP483EBCAL	JT	AR1126036	R1	CY8C29666-24PVXIT	150/-65	0	1000	17	0
SP483EBCAL	JT	AR1127022	R1	CY8C29666-24PVXI	150/-65	0	1000	20	0
SP483EBCAL	JT	AR1127023	R1	CY8C27643-24PVXI	150/-65	0	1000	20	0
SP483EBCAL	JT	AR1128022	R1	CY8C27643-24PVXI	150/-65	0	1000	20	0
SP483EBCAL	JT	AR1128023	R1	CY8C29666-24PVXIT	150/-65	0	1000	18	0
SP483EBCAL	JT	AR1128024	R1	CY8C29666-24PVXIT	150/-65	0	1000	16	0
SP483EBCAL	JT	AR1131037	R1	CY8C27643-24PVXI	150/-65	0	1000	20	0
SP483EBCAL	JT	AR1132023	R1	CY8C29666-24PVXI	150/-65	0	1000	20	0
SP483EBCAL	JT	AR1133020	R1	CY8C29666-24PVXIT	150/-65	0	1000	18	0
SP483EBCAL	JT	AR1134047	R1	CY8C27643-24PVXIT	150/-65	0	500	20	0
SP483EBCAL	JT	AR1134047	R1	CY8C27643-24PVXIT	150/-65	0	1000	20	0
SP483EBCAL	JT	AR1134049	R1	CY8C27643-24PVXI	150/-65	0	1000	20	0
SP483EBCAL	JT	AR1134051	R1	CY8C29666-24PVXI	150/-65	0	500	19	0
SP483EBCAL	JT	AR1134051	R1	CY8C29666-24PVXI	150/-65	0	1000	19	0
SP483EBCAL	JT	AR1134053	R1	CY8C27643-24PVXIT	150/-65	0	500	20	0
SP483EBCAL	JT	AR1134053	R1	CY8C27643-24PVXIT	150/-65	0	1000	20	0
SP483EBCAL	JT	AR1134054	R1	CY8C27643-24PVXI	150/-65	0	500	20	0
SP483EBCAL	JT	AR1134054	R1	CY8C27643-24PVXI	150/-65	0	1000	20	0
SP483EBCAL	JT	AR1134055	R1	CY8C27643-24PVXIT	150/-65	0	500	20	0
SP483EBCAL	JT	AR1134055	R1	CY8C27643-24PVXIT	150/-65	0	1000	20	0
SP483EBCAL	JT	AR1135044	R1	CY8C29666-24PVXIT	150/-65	0	500	19	0
SP483EBCAL	JT	AR1135044	R1	CY8C29666-24PVXIT	150/-65	0	1000	19	0
SP483EBCAL	JT	AR1135046	R1	CY8C29666-24PVXI	150/-65	0	500	15	0
SP483EBCAL	JT	AR1135046	R1	CY8C29666-24PVXI	150/-65	0	1000	15	0
SP483EBCAL	JT	AR1136058	R1	CY8C29666-24PVXI	150/-65	0	500	20	0
SP483EBCAL	JT	AR1136058	R1	CY8C29666-24PVXI	150/-65	0	1000	20	0
SP483EBCAL	JT	AR1136059	R1	CY8C29666-24PVXIT	150/-65	0	500	19	0



SP483EBCAL	JT	AR1136059	R1	CY8C29666-24PVXIT	150/-65	0	1000	19	0
SP483EBCAL	JT	AR1136060	R1	CY8C29666-24PVXI	150/-65	0	500	19	0
SP483EBCAL	JT	AR1136060	R1	CY8C29666-24PVXI	150/-65	0	1000	19	0
SP483EBCAL	JT	AR1136061	R1	CY8C29666-24PVXIT	150/-65	0	500	16	0
SP483EBCAL	JT	AR1136061	R1	CY8C29666-24PVXIT	150/-65	0	1000	16	0
SP483EBCAL	JT	AR1137024	R1	CY8C29666-24PVXIT	150/-65	0	100	20	0
SP483EBCAL	JT	AR1137024	R1	CY8C29666-24PVXIT	150/-65	0	300	20	0
SP483EBCAL	JT	AR1137024	R1	CY8C29666-24PVXIT	150/-65	0	500	20	0
SP483EBCAL	JT	AR1137024	R1	CY8C29666-24PVXIT	150/-65	0	1000	20	0
SP483EBCAL	JT	AR1137025	R1	CY8C29666-24PVXI	150/-65	0	100	18	0
SP483EBCAL	JT	AR1137025	R1	CY8C29666-24PVXI	150/-65	0	300	18	0
SP483EBCAL	JT	AR1137025	R1	CY8C29666-24PVXI	150/-65	0	500	18	0
SP483EBCAL	JT	AR1137025	R1	CY8C29666-24PVXI	150/-65	0	1000	18	0
SP483EBCAL	JT	AR1137026	R1	CY8C29666-24PVXI	150/-65	0	100	20	0
SP483EBCAL	JT	AR1137026	R1	CY8C29666-24PVXI	150/-65	0	300	20	0
SP483EBCAL	JT	AR1137026	R1	CY8C29666-24PVXI	150/-65	0	500	20	0
SP483EBCAL	JT	AR1137026	R1	CY8C29666-24PVXI	150/-65	0	1000	20	0
SP282ABBGN	RA	MR111008	R1	CY8C21534-24PVXIT	150/-65	0	500	30	0
SP282ABBGN	RA	MR111008	R1	CY8C21534-24PVXIT	150/-65	0	1000	29	0
SP2822BGL	M	MR111057	R1	CY8C21534-24PVXAT	150/-65	0	500	30	0
SP2822BGL	M	MR111057	R1	CY8C21534-24PVXAT	150/-65	0	1000	29	0
SP28214GL	T	MR113052	R1	CY8C21534-24PVXI	150/-65	0	500	30	0
SP28214GL	T	MR113052	R1	CY8C21534-24PVXI	150/-65	0	1000	30	0
SP28213GL	T	111402	R1	CY8C29466-24PVXI	150/-65	0	500	80	0
SP28213GL	T	111402	R1	CY8C29466-24PVXI	150/-65	0	1000	80	0
SP28213GL	T	111402	R2	CY8C29466-24PVXI	150/-65	0	500	80	0
SP28213GL	T	111402	R2	CY8C29466-24PVXI	150/-65	0	1000	80	0
SP28213GL	T	111402	R3	CY8C29466-24PVXI	150/-65	0	500	80	0
SP28213GL	T	111402	R3	CY8C29466-24PVXI	150/-65	0	1000	80	0



Summary for Package Family: SSOP (Pb-Free)

209 records

Sum

6697 0

TQFP

A64IBAABL	JT	110901	R1	CY7C144-25AC	150-65	0	500	80	0
A64IBAABL	JT	110901	R1	CY7C144-25AC	150-65	0	1000	80	0
A144AAAAGE	Q	MR104066	R1	CY7C09579V-100AC	150-65	0	1000	30	0

Summary for Package Family: TQFP

3 records

Sum

190 0

TQFP (Pb-Free)

AZ100SFDAL	R	101101	R4	CY8C3866AXI-040ES3	150-65	0	500	80	0
AZ100SFDAL	R	101101	R4	CY8C3866AXI-040ES3	150-65	0	500	80	0
AZ100SFDAL	R	101101	R5	CY8C3866AXI-040ES3	150-65	0	500	80	0
AZ100SFDAL	R	101101	R5	CY8C3866AXI-040ES3	150-65	0	500	80	0
AZ100SFDAL	R	110705	R4	CY8C3866AXI-040ES3	150-65	0	500	80	0
AZ100SFDAL	R	110705	R5	CY8C3866AXI-040ES3	150-65	0	500	80	0
AZ44SFHAN	JT	110901	R2	CY37032VP44-100AXC	150-65	0	500	80	0
AZ44SFHAN	JT	110901	R2	CY37032VP44-100AXC	150-65	0	1000	80	0
AZ100SFDAL	R	110904	R4	CY8C3866AXI-040ES3	150-65	0	500	80	0
AZ100SFDAL	R	110904	R5	CY8C3866AXI-040ES3	150-65	0	500	80	0
AZ100SFHAL	JT	110905	R1B	CY8C5588AXI-060ES1	150-65	0	500	77	0
AZ100SFHAL	JT	110905	R1B	CY8C5588AXI-060ES1	150-65	0	1000	74	0
AZ100SFLAL	R	110905	R3	CY8C5588AXI-060ES1	150-65	0	500	78	0
AZ100SFLAL	R	110905	R3	CY8C5588AXI-060ES1	150-65	0	1000	78	0
AZ100SFLAL	R	110905	R4	CY8C5568AXI-060	150-65	0	500	77	0
AZ100SFLAL	R	110905	R4	CY8C5568AXI-060	150-65	0	1000	76	0
AZ100RVLN	JT	111803	R1	CY7C68320C-100AXA	150-65	0	500	85	0
AZ100RVLN	JT	111803	R1	CY7C68320C-100AXA	150-65	0	1000	80	0
AZ100RVLN	JT	111803	R2	CY7C68320C-100AXA	150-65	0	500	80	0
AZ100RVLN	JT	111803	R2	CY7C68320C-100AXA	150-65	0	1000	79	0



AZ100RVLN	JT	111803	R3	CY7C68320C-100AXA	150/-65	0	500	80	0
AZ100RVLN	JT	111803	R3	CY7C68320C-100AXA	150/-65	0	1000	80	0
AZ100SFHAL	JT	111817	R1	CY8C5588AXI-060ES1	150/-65	0	500	77	0
AZ100SFHAL	JT	111817	R1	CY8C5588AXI-060ES1	150/-65	0	1000	74	0
AZ100SFHAL	JT	111817	R2	CY8C5588AXI-060ES1	150/-65	0	500	92	0
AZ100SFHAL	JT	111817	R2	CY8C5588AXI-060ES1	150/-65	0	1000	92	0
AZ100SFHAL	JT	111817	R3	CY8C5588AXI-060ES1	150/-65	0	500	92	0
AZ100SFHAL	JT	111817	R3	CY8C5588AXI-060ES1	150/-65	0	1000	92	0
AZ100RJBLN	RA	112602	R1	CY7C1350G-200AXI	150/-65	0	500	77	0
AZ100RJBLN	RA	112602	R1	CY7C1350G-200AXI	150/-65	0	1000	77	0
AZ100RJBLN	RA	112602	R2	CY7C1350G-200AXI	150/-65	0	500	74	0
AZ100RJBLN	RA	112602	R2	CY7C1350G-200AXI	150/-65	0	1000	74	0
AZ100RJBLN	RA	112602	R3	CY7C1350G-200AXI	150/-65	0	500	74	0
AZ100RJBLN	RA	112602	R3	CY7C1350G-200AXI	150/-65	0	1000	74	0
AZ100RJBLN	RA	112602	R4	CY7C1350G-200AXI	150/-65	0	500	77	0
AZ100RJBLN	RA	112602	R4	CY7C1350G-200AXI	150/-65	0	1000	77	0
AZ100RJBLN	RA	112602	R5	CY7C1350G-200AXI	150/-65	0	500	73	0
AZ100RJBLN	RA	112602	R5	CY7C1350G-200AXI	150/-65	0	1000	73	0
AZ100RJBLN	RA	112602	R6	CY7C1350G-200AXI	150/-65	0	500	74	0
AZ100RJBLN	RA	112602	R6	CY7C1350G-200AXI	150/-65	0	1000	74	0
AZ32GXGAN	G	MR104031	R1	CY29940AXCT	150/-65	0	500	30	0
AZ32GXGAN	G	MR104031	R1	CY29940AXCT	150/-65	0	1000	30	0
AZ32LXGAN	Q	MR111025	R1	CY29946AXI	150/-65	0	500	30	0
AZ32LXGAN	Q	MR111025	R1	CY29946AXI	150/-65	0	1000	30	0
AZ32GXGAN	G	MR111026	R1	CY29940AXC	150/-65	0	500	30	0
AZ32GXGAN	G	MR111026	R1	CY29940AXC	150/-65	0	1000	30	0
AZ160SBGAL	G	MR112037	R1	CY37256P160-83AXC	150/-65	0	500	30	0
AZ160SBGAL	G	MR112037	R1	CY37256P160-83AXC	150/-65	0	1000	30	0
AZ32BXGAN	Q	MR112077	R1	CY7C4201V-15AXC	150/-65	0	500	29	0



AZ32BXGAN	Q	MR112077	R1	CY7C4201V-15AXC	150/-65	0	1000	28	0
AZ44SGBGAN	R	MR111005	R1	CY8C29566-24AXI	150/-65	0	500	30	0
AZ44SGBGAN	R	MR111005	R1	CY8C29566-24AXI	150/-65	0	1000	30	0
AZ44DGAGL	Q	MR112058	R1	CY7B995AXIT	150/-65	0	500	28	0
AZ44DGAGL	Q	MR112058	R1	CY7B995AXIT	150/-65	0	1000	28	0
AZ32GXGAN	G	MR113046	R1	CY29940AXIT	150/-65	0	500	30	0
AZ100SFGAL	JT	RR114011	R1	CS7510AM	150/-65	0	500	78	0
AZ100SFKAL	RA	112302	R1	CY8C5568AXI-060	150/-65	0	500	77	0
AZ100SFKAL	RA	112302	R2	CY8C5568AXI-060	150/-65	0	500	77	0
AZ100SFKAL	RA	112302	R2	CY8C5568AXI-060	150/-65	0	1000	75	0
AZ100SFKAL	R	112302	R3	CY8C5568AXI-060	150/-65	0	500	77	0
AZ100SFKAL	R	112302	R3	CY8C5568AXI-060	150/-65	0	1000	75	27
AZ100SFKAL	RA	112302	R4	CY8C5568AXI-060	150/-65	0	500	77	0
AZ100SFKAL	RA	112302	R4	CY8C5568AXI-060	150/-65	0	1000	75	27
AZ100SFKAL	RA	112302	R5	CY8C5568AXI-060	150/-65	0	500	77	0
AZ100SFKAL	RA	112302	R6	CY8C5568AXI-060	150/-65	0	500	76	0

Summary for Package Family: TQFP (Pb-Free)

65 records

Sum

4368 0

TSOP I (Pb-Free)

ZT28R5BBGL	JT	104815	R1	7C1995SMC	150/-65	0	500	75	0
ZT28R5BBGL	JT	104815	R1	7C1995SMC	150/-65	0	1000	75	0
ZT28R2BCLN	JT	104815	R3	CY62256NLL-55ZXI	150/-65	0	500	80	0
ZT28R2BCLN	JT	104815	R3	CY62256NLL-55ZXI	150/-65	0	1000	80	0
ZT28R2ABGN	JT	105202	R1	CY62256VLL	150/-65	0	500	87	0
ZT28R2ABGN	JT	105202	R1	CY62256VLL	150/-65	0	1000	82	0
ZT28R2ABGN	JT	105202	R2	CY62256NLL-55ZXAT	150/-65	0	500	79	0
ZT28R2ABGN	JT	105202	R2	CY62256NLL-55ZXAT	150/-65	0	1000	79	0
ZT28R2ABGN	JT	105202	R3	CY62256NLL-55ZXAT	150/-65	0	500	80	0
ZT28R2ABGN	JT	105202	R3	CY62256NLL-55ZXAT	150/-65	0	1000	80	0



ZT28R2ABGN	JT	105210	R1	CY62256VLL	150/-65	0	500	87	0
ZT28R2ABGN	JT	105210	R1	CY62256VLL	150/-65	0	1000	82	0
ZT28R2ABGN	JT	105210	R2	CY62256NLL-55ZXAT	150/-65	0	500	79	0
ZT28R2ABGN	JT	105210	R2	CY62256NLL-55ZXAT	150/-65	0	1000	79	0
ZT28R2ABGN	JT	105210	R3	CY62256NLL-55ZXAT	150/-65	0	500	80	0
ZT28R2ABGN	JT	105210	R3	CY62256NLL-55ZXAT	150/-65	0	1000	80	0
ZT28R2BBLN	R	MR104059	R1	CG6718AM	150/-65	0	1000	30	0
ZT28R4BGL	R	MR104063	R1	CY7C1399BNL-12ZXC	150/-65	0	1000	29	0
ZT28R2BBLN	R	MR111017	R1	CY62256NLL-55ZXIT	150/-65	0	500	30	0
ZT28R2BBLN	R	MR111017	R1	CY62256NLL-55ZXIT	150/-65	0	1000	30	0
ZT32RAEDLN	RA	MR111018	R1	CY62128EV30LL-45ZXI	150/-65	0	500	30	0
ZT32RAEDLN	RA	MR111018	R1	CY62128EV30LL-45ZXI	150/-65	0	1000	30	0
ZB32RKALL	T	MR111069	R1	CY62128EV30LL-45ZAXI	150/-65	0	500	30	0
ZB32RKALL	T	MR111069	R1	CY62128EV30LL-45ZAXI	150/-65	0	1000	30	0
ZB32RKALL	T	MR112006	R1	CY62128EV30LL-45ZAXI	150/-65	0	500	30	0
ZB32RKALL	T	MR112006	R1	CY62128EV30LL-45ZAXI	150/-65	0	1000	30	0

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

26 records

Sum

1583 0

TSOP II (Pb-Free)

ZW444YBCLL	JT	104814	R1	CY7C1041BN-15ZXI	150/-65	0	500	77	0
ZW444YBCLL	JT	104814	R1	CY7C1041BN-15ZXI	150/-65	0	1000	77	0
ZW444AICLL	JT	104814	R2	CY7C1021DV33-10ZSXI	150/-65	0	500	77	0
ZW444AICLL	JT	104814	R2	CY7C1021DV33-10ZSXI	150/-65	0	1000	77	0
ZW444WBDLN	JT	104814	R3	CY14B256LA-ZS45XI	150/-65	0	1000	77	0
ZW444WBELN	JT	104814	R4	CY7C1010DV33-10ZSXI	150/-65	0	500	75	0
ZW444WBELN	JT	104814	R4	CY7C1010DV33-10ZSXI	150/-65	0	1000	75	0
ZW444AKCLN	R	104907	R1	CY7C1041CV33	150/-65	0	500	95	0
ZW444AKCLN	R	104907	R1	CY7C1041CV33	150/-65	0	1000	85	0
ZW444AKCLN	R	104907	R2	CY7C1041CV33	150/-65	0	500	98	0



ZW444AKCLN	R	104907	R2	CY7C1041CV33	150/-65	0	1000	88	0
ZW444AKCLN	R	104907	R3	CY7C1041CV33	150/-65	0	500	98	0
ZW444AKCLN	R	104907	R3	CY7C1041CV33	150/-65	0	1000	82	0
ZW444PAALL	RA	110703	R1	CY14B101KA	150/-65	0	500	80	0
ZW444PAALL	RA	110703	R1	CY14B101KA	150/-65	0	1000	80	0
ZW44AAAAGL	RA	110703	R2	CY7C1021DV33-10ZSXI	150/-65	0	500	80	0
ZW44AAAAGL	RA	110703	R2	CY7C1021DV33-10ZSXI	150/-65	0	1000	80	0
ZW444PAALL	RA	110703	R3	CY14B101KA	150/-65	0	100	80	0
ZW444PAALL	RA	110703	R3	CY14B101KA	150/-65	0	500	80	0
ZW444AKDLN	JT	111410	R1	7A134101FC	150/-65	0	500	85	0
ZW444AKDLN	JT	111410	R1	7A134101FC	150/-65	0	1000	80	0
ZW444AHILL	JT	111410	R2	7A62126FC	150/-65	0	500	85	0
ZW444AHILL	JT	111410	R2	7A62126FC	150/-65	0	1000	85	0
ZW444AHILL	JT	111410	R3	7A62126FC	150/-65	0	500	85	0
ZW444AHILL	JT	111410	R3	7A62126FC	150/-65	0	1000	85	0
ZW444VCLL	R	111810	R1	CY62136FV30LL	150/-65	0	500	100	0
ZW444VCLL	R	111810	R1	CY62136FV30LL	150/-65	0	1000	90	0
ZW444VCLL	R	111810	R2	7A62136GC	150/-65	0	500	100	0
ZW444VCLL	R	111810	R2	7A62136GC	150/-65	0	1000	90	0
ZW444VCLL	R	111810	R3	CY62136FV30LL	150/-65	0	500	100	0
ZW444VCLL	R	111810	R3	CY62136FV30LL	150/-65	0	1000	90	0
ZW54BGALL	G	MR112042	R1	CY7C1061DV33-10ZSXI	150/-65	0	500	30	0
ZW54BGALL	G	MR112042	R1	CY7C1061DV33-10ZSXI	150/-65	0	1000	30	0
ZW44AAAAGL	RA	MR112046	R1	CY62147EV30LL-45ZSXIT	150/-65	0	500	30	0
ZW44AAAAGL	RA	MR112046	R1	CY62147EV30LL-45ZSXIT	150/-65	0	1000	30	0
ZW54BGALL	G	MR113032	R1	CY7C1061DV33-10ZSXIT	150/-65	0	500	30	0
ZW54BGALL	G	MR113032	R1	CY7C1061DV33-10ZSXIT	150/-65	0	1000	30	0
ZW444RCGN	R	RR104009	R1	7A621360B	150/-65	0	50	195	0
ZW444RCGN	R	RR104009	R1	7A621360B	150/-65	0	100	195	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	500	30	0
ZW444ALLR	G	MR113047	R1	CY7C1051DV33-10ZSXI	150/-65	0	1000	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

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

52 records

Sum

3740 0

TSSOP (Pb-Free)

ZZ1620GBAN	RA	MR111029	R1	CY22393FXCT	150/-65	0	500	30	0
ZZ1620GBAN	RA	MR111029	R1	CY22393FXCT	150/-65	0	1000	30	0
ZZ2014BGN	T	MR111031	R1	CY25404ZXI-003T	150/-65	0	500	30	0
ZZ2014BGN	T	MR111031	R1	CY25404ZXI-003T	150/-65	0	1000	30	0
ZZ2014BGN	T	MR112047	R1	CY25404ZXI-003T	150/-65	0	500	30	0
ZZ2014BGN	T	MR112047	R1	CY25404ZXI-003T	150/-65	0	1000	30	0
ZZ1614HAN	T	RR112027	R1	CY25823ZXCT	150/-65	0	100	379	0
ZZ1614HAN	T	RR112027	R2	CY25823ZXC	150/-65	0	100	26	0
ZZ1620GDAN	RA	MR113010	R1	CY24293ZXI	150/-65	0	500	30	0
ZZ1620GDAN	RA	MR113010	R1	CY24293ZXI	150/-65	0	1000	24	0
ZZ2014BGN	T	MR113053	R1	CY25404ZXI-003T	150/-65	0	500	30	0
ZZ2014BGN	T	MR113053	R1	CY25404ZXI-003T	150/-65	0	1000	30	0
ZZ1614HAN	T	111405	R1	CY23FS04ZXC	150/-65	0	500	80	0



ZZ1614HAN	T	111405	R1	CY23FS04ZXC	150/-65	0	1000	80	0
ZZ1614HAN	T	111405	R2	CY23FS04ZXC	150/-65	0	1000	80	0
ZZ1614HAN	T	111405	R3	CY23FS04ZXC	150/-65	0	500	80	0
ZZ1614HAN	T	111405	R3	CY23FS04ZXC	150/-65	0	1000	80	0
ZZ2014BGN	T	111408	R1	CYISM530AZXC	150/-65	0	500	80	0
ZZ2014BGN	T	111408	R1	CYISM530AZXC	150/-65	0	1000	80	0
ZZ2014BGN	T	111408	R2	CYISM530AZXC	150/-65	0	500	80	0
ZZ2014BGN	T	111408	R2	CYISM530AZXC	150/-65	0	1000	80	0
ZZ2014BGN	T	111408	R3	CYISM530AZXC	150/-65	0	500	80	0
ZZ2014BGN	T	111408	R3	CYISM530AZXC	150/-65	0	1000	80	0

Summary for Package Family: TSSOP (Pb-Free)

23 records

Sum

1579 0

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

BZ48ZBAALL	RA	091206	R3	CY621675EV30LL-45BVXI	150/-65	0	1000	77	0
BZ48CNAALL	G	103101	R1	CY62162DK	150/-65	0	1000	76	0
BZ48CNAALL	G	103101	R2	CY62162DK	150/-65	0	1000	77	0
BZ48CNAALL	G	103206	R1	CY7C62162DK	150/-65	0	1000	76	0
BZ48CNAALL	G	103206	R2	CY62162DK	150/-65	0	1000	73	0
BZ48CJALL	RA	104406	R1	CY62167DV30LL-55BVXI	150/-65	0	500	79	0
BZ48CJALL	RA	104406	R1	CY62167DV30LL-55BVXI	150/-65	0	1000	79	0
BZ48CJALL	RA	104406	R2	CY62167DV30LL-55BVXI	150/-65	0	500	80	0
BZ48CJALL	RA	104406	R2	CY62167DV30LL-55BVXI	150/-65	0	1000	80	0
BZ48CJALL	RA	104406	R3	CY62167DV30LL-55BVXI	150/-65	0	500	80	0
BZ48CJALL	RA	104406	R3	CY62167DV30LL-55BVXI	150/-65	0	1000	80	0
BZ48RMAALL	RA	105004	R1	CY7C1061DV33-10BVXI	150/-65	0	500	77	0
BZ48RMAALL	RA	105004	R1	CY7C1061DV33-10BVXI	150/-65	0	1000	77	0
BZ48RMAALL	RA	105004	R2	CY7C1061DV33-10BVXI	150/-65	0	500	80	0
BZ48RMAALL	RA	105004	R2	CY7C1061DV33-10BVXI	150/-65	0	1000	80	0
BZ48RMAALL	RA	110301	R2	CY7C1061DV33-10BVXI	150/-65	0	500	80	0



BZ48RMAALL	RA	110301	R2	CY7C1061DV33-10BVXI	150/-65	0	1000	80	0
BZ48RMAALL	RA	110301	R3	CY7C1061DV33-10BVXI	150/-65	0	500	77	0
BZ48RMAALL	RA	110301	R3	CY7C1061DV33-10BVXI	150/-65	0	1000	77	0
BZ48ZBAALL	RA	111605	R1	CY621675EV30LL-45BVXI	150/-65	0	500	80	0
BZ48ZBAALL	RA	111605	R1	CY621675EV30LL-45BVXI	150/-65	0	1000	79	0
BZ48ZBAALL	RA	111701	R3B	CY621675EV30LL-45BVXI	150/-65	0	500	79	0
BZ48ZBAALL	RA	111701	R3B	CY621675EV30LL-45BVXI	150/-65	0	1000	79	0
BZ100BABLL	RA	MR111037	R1	CYDM128B16-55BVXI	150/-65	0	500	30	0
BZ100BABLL	RA	MR111037	R1	CYDM128B16-55BVXI	150/-65	0	1000	30	0
BZ48CQAALL	G	MR111065	R1	CY62136FV30LL-45BVXI	150/-65	0	500	30	0
BZ48CQAALL	G	MR111065	R1	CY62136FV30LL-45BVXI	150/-65	0	1000	30	0
BZ48ABBBLL	AT	MR111070	RI	CY62127DV30LL-55BVXIT	150/-65	0	500	30	0
BZ48ABBBLL	AT	MR111070	RI	CY62127DV30LL-55BVXIT	150/-65	0	1000	30	0
BZ100HAALL	RA	MR112001	R1	CYWB0224ABS-BVXI	150/-65	0	500	30	0
BZ100HAALL	RA	MR112001	R1	CYWB0224ABS-BVXI	150/-65	0	1000	29	0
BZ48CMAALL	G	MR112039	R1	CY7C1021DV33-10BVXI	150/-65	0	500	29	0
BZ48CMAALL	G	MR112039	R1	CY7C1021DV33-10BVXI	150/-65	0	1000	29	0
BZ48ABCALL	AT	MR112064	R1	CY62126EV30LL-45BVXIT	150/-65	0	500	30	0
BZ48ABCALL	AT	MR112064	R1	CY62126EV30LL-45BVXIT	150/-65	0	1000	30	0
BZ48CFAALL	G	MR113007	R1	CY62157EV30LL-45BVXIT	150/-65	0	500	29	0
BZ48CFAALL	G	MR113007	R1	CY62157EV30LL-45BVXIT	150/-65	0	1000	29	0
BZ100HAALL	RA	MR113008	R1	CYWB0226ABS-BVXI	150/-65	0	500	30	0
BZ100HAALL	RA	MR113008	R1	CYWB0226ABS-BVXI	150/-65	0	1000	17	0
BZ48ZEAALE	RA	MR113089	R1	CY62157EV18LL-55BVXIT	150/-65	0	500	79	0
BZ48ZEAALE	RA	MR113089	R1	CY62157EV18LL-55BVXIT	150/-65	0	1000	79	0
BZ48CRALL	G	MR113088	R1	CY62167EV30LL-45BVXI	150/-65	0	500	80	0
BZ48CRALL	G	MR113088	R1	CY62167EV30LL-45BVXI	150/-65	0	1000	80	0
BZ48CNAALL	G	MR113090	R1	CY62167DV30LL-55BVXI	150/-65	0	500	79	0
BZ48CNAALL	G	MR113090	R1	CY62167DV30LL-55BVXI	150/-65	0	1000	78	0



BZ48CNAALL	G	MR113091	R1	CY62167DV30LL-55BVXI	150/-65	0	500	80	0
BZ48CNAALL	G	MR113091	R1	CY62167DV30LL-55BVXI	150/-65	0	1000	80	0
Summary for Package Family: VFBGA (0.75-0.8, 0.3mm, Pb-Free)			47	records					
Sum								2899	0



Rev.	ECN No.	Orig. of Change	Description of Change
**	3526336	JYF	Initial Release

Distribution: WEB

Posting: NONE