

10/23/2012



**RELIABILITY MONITOR REPORT
FOR**

QFN Package

MAXIM INTEGRATED

**160 RIO ROBLES
SAN JOSE, CA 95134**

**This Report was prepared by
MAXIM INTEGRATED Reliability Engineering**

Summary:

The data in the tables that follow was generated as the result of an on-going Package Reliability Monitor. The specific assemblies included in this package monitor are:

ASSY SITE	PINS	PACKAGE		
ASE Chung-Li	8	TQFN (Pb-Free)	ASE Chung-Li	10 TQFN (Pb-Free)
ASE Chung-Li	16	TQFN (Pb-Free)	ASE Chung-Li	20 TQFN (Pb-Free)
ASE Chung-Li	24	TQFN (Pb-Free)	ASE Chung-Li	28 TQFN (Pb-Free)
ASE Chung-Li	32	TQFN (Pb-Free)	ASE Chung-Li	36 TQFN (Pb-Free)
ASE Chung-Li	40	TQFN (Pb-Free)	ASE Chung-Li	42 TQFN (Pb-Free)
ASE Chung-Li	44	TQFN (Pb-Free)	ASE Chung-Li	48 TQFN (Pb-Free)
ASE Chung-Li	56	TQFN (Pb-Free)	ASE Chung-Li	68 TQFN (Pb-Free)
ATK (Amkor, K)	24	QFN	ATK (Amkor, K)	8 QFN (Pb-Free)
ATK (Amkor, K)	48	QFN (Pb-Free)	ATK (Amkor, K)	48 TQFN (Pb-Free)
Carsem-S	23	QFN (Pb-Free)	Carsem-S	20 TQFN (Pb-Free)
DALLAS-MAXFIL	36	TQFN (Pb-Free)	Unisem Malaysia	24 TQFN (Pb-Free)
UTACDG	8	TQFN (Pb-Free)	UTACDG	16 TQFN (Pb-Free)
UTACDG	20	TQFN (Pb-Free)	UTACDG	24 TQFN (Pb-Free)
UTACDG	28	TQFN (Pb-Free)	UTACDG	32 TQFN (Pb-Free)
UTACDG	36	TQFN (Pb-Free)	UTACDG	40 TQFN (Pb-Free)
UTACDG	48	TQFN (Pb-Free)	UTACDG	56 TQFN (Pb-Free)
UTACDG	68	TQFN (Pb-Free)	UTL Thailand	56 QFN (Pb-Free)
UTL Thailand	16	TQFN (Pb-Free)	UTL Thailand	20 TQFN (Pb-Free)
UTL Thailand	24	TQFN (Pb-Free)	UTL Thailand	28 TQFN (Pb-Free)
UTL Thailand	32	TQFN (Pb-Free)	UTL Thailand	36 TQFN (Pb-Free)
UTL Thailand	40	TQFN (Pb-Free)	UTL Thailand	44 TQFN (Pb-Free)
UTL Thailand	56	TQFN (Pb-Free)	UTL Thailand	48 uTQFN (Pb-Free)

The calculated failure rate for this assembly is:

FAILURE RATE: MTTF (YRS): 228311 FITS: 0.5

The parameters used to calculate this failure rate are as follows:

Cf: 60% Ea: 0.7 Tu: 25 °C

The reliability data follows. At the start of this data is a description of the assembly vehicle used to generate this reliability data. The next section is the detailed reliability data for each stress. The reliability data section includes the latest data available. This report covers data between 10/1/2011 and 9/30/2012.

Assembly Information:

Package Type: QFN
 Date Code Range: 1209 to 1209

OPERATING LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
HIGH TEMP OP LIFE	1209	MAX3801UGG	135°C	500 HRS	80	0	
				Total:		0	

Assembly Information:

Package Type: QFN (Pb-Free)
 Date Code Range: 1126 to 1131

OPERATING LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
HIGH TEMP OP LIFE	1130	MAX15029AGA/VY+	135°C	1000 HRS	79	0	
					Total:	0	

STORAGE LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
STORAGE LIFE	1130	MAX15029AGA/VY+	150°C	1000 HRS	80	0	
STORAGE LIFE	1131	MAX9684ETN+	150°C	1000 HRS	77	0	
					Total:	0	

TEMPERATURE CYCLE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
TEMP CYCLE, 5' RAMP, 10' DWELL		MAX15074EGD+	-65C TO 150C	1000 CYS	220	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1126	MAX16924GGM/VY+	-65C TO 150C	1000 CYS	77	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1130	MAX15029AGA/VY+	-65C TO 150C	1000 CYS	80	0	
					Total:	0	

TEMPERATURE HUMIDITY BIAS

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
BIASED MOISTURE	1130	MAX15029AGA/VY+	130C, 85% R.H.	100 HRS	80	0	
					Total:	0	

Assembly Information:

Package Type: TQFN (Pb-Free)

Date Code Range: 1007 to 1234

OPERATING LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
HIGH TEMP OP LIFE		MAX14592EETI+	135°C	1000 HRS	56	0	
HIGH TEMP OP LIFE	1007	MAX8904ETN+	135°C	192 HRS	43	0	
HIGH TEMP OP LIFE	1029	MAX5971BETI+	135°C	192 HRS	45	0	
HIGH TEMP OP LIFE	1050	MAX14578AETI+	135°C	600 HRS	44	0	
HIGH TEMP OP LIFE	1050	MAX14578AETI+	135°C	192 HRS	44	0	
HIGH TEMP OP LIFE	1052	MAX17114ETM+CB2	135°C	1000 HRS	47	0	
HIGH TEMP OP LIFE	1105	MAX16924GTM/V+	135°C	1000 HRS	78	0	
HIGH TEMP OP LIFE	1105	MAX8798ETX+	135°C	1000 HRS	46	0	
HIGH TEMP OP LIFE	1105	MAX8798ETX+	135°C	1000 HRS	46	0	
HIGH TEMP OP LIFE	1109	MAX16924GTM/V+	135°C	1000 HRS	75	0	
HIGH TEMP OP LIFE	1110	MAX11014BGTM=	135°C	1000 HRS	44	0	
HIGH TEMP OP LIFE	1110	MAX11014BGTM+	135°C	1000 HRS	45	0	

HIGH TEMP OP LIFE	1112	MAX3948ETE+	135°C	192	HRS	80	0
HIGH TEMP OP LIFE	1113	MAX3643ETG+	135°C	240	HRS	32	0
HIGH TEMP OP LIFE	1113	MAX3643ETG+	135°C	192	HRS	48	0
HIGH TEMP OP LIFE	1114	MAX7370ATG+	135°C	192	HRS	79	0
HIGH TEMP OP LIFE	1114	MAX2121ETI+	135°C	192	HRS	48	0
HIGH TEMP OP LIFE	1114	MAX2121ETI+	135°C	1000	HRS	48	0
HIGH TEMP OP LIFE	1114	MAX2121ETI+	135°C	192	HRS	48	0
HIGH TEMP OP LIFE	1114	MAX2121ETI+	135°C	1000	HRS	47	0
HIGH TEMP OP LIFE	1114	MAX9679ETG+	135°C	1000	HRS	45	0
HIGH TEMP OP LIFE	1116	MAX17497AATE+	135°C	192	HRS	80	0
HIGH TEMP OP LIFE	1118	MAX9679ETG+	135°C	500	HRS	77	1
HIGH TEMP OP LIFE	1120	DS4830	125C, 3.3 VOLTS	192	HRS	77	0
HIGH TEMP OP LIFE	1120	MAX5982BETE+	135°C	192	HRS	48	0
HIGH TEMP OP LIFE	1122	MAX2091ETP+	135°C	192	HRS	32	0
HIGH TEMP OP LIFE	1122	MAX2091ETP+	135°C	192	HRS	48	0
HIGH TEMP OP LIFE	1122	MAX2090ETP+	135°C	192	HRS	48	0
HIGH TEMP OP LIFE	1122	MAX2090ETP+	135°C	24	HRS	48	0
HIGH TEMP OP LIFE	1122	MAX2091ETP+	135°C	192	HRS	80	0
HIGH TEMP OP LIFE	1123	MAX2769BETI/V+	135°C	1000	HRS	50	0
HIGH TEMP OP LIFE	1125	MAX14593EETX+	135°C	192	HRS	79	0
HIGH TEMP OP LIFE	1125	MAX11131ATI+	135°C	192	HRS	80	0
HIGH TEMP OP LIFE	1126	MAX17129ETE+	135°C	192	HRS	48	0
HIGH TEMP OP LIFE	1127	MAX9695AETM+	135°C	192	HRS	47	0
HIGH TEMP OP LIFE	1127	MAXEXP7ETE+	135°C	1000	HRS	80	0
HIGH TEMP OP LIFE	1127	MAXEXP7ETE+	135°C	1000	HRS	80	0
HIGH TEMP OP LIFE	1127	MAXEXP7ETE+	135°C	1000	HRS	80	0
HIGH TEMP OP LIFE	1129	MAX3636ETM+	135°C	192	HRS	48	0
HIGH TEMP OP LIFE	1129	MAX3636ETM+	135°C	240	HRS	32	0
HIGH TEMP OP LIFE	1129	MAX3636ETM+	135°C	192	HRS	32	0
HIGH TEMP OP LIFE	1129	MAX3636ETM+	135°C	192	HRS	48	0
HIGH TEMP OP LIFE	1131	MAX17498AATE+	135°C	192	HRS	80	0
HIGH TEMP OP LIFE	1131	MAX9684ETN+	135°C	500	HRS	80	0
HIGH TEMP OP LIFE	1131	MAX9684ETN+	135°C	1000	HRS	78	0
HIGH TEMP OP LIFE	1132	MAX3711ETG+	135°C	192	HRS	80	0
HIGH TEMP OP LIFE	1132	MAX1781ETM+	135°C	1000	HRS	45	0
HIGH TEMP OP LIFE	1132	MAX2363ETM+	135°C	1000	HRS	77	0
HIGH TEMP OP LIFE	1132	MAX2363ETM+	135°C	1000	HRS	77	0
HIGH TEMP OP LIFE	1132	MAX2363ETM+	135°C	1000	HRS	77	0
HIGH TEMP OP LIFE	1133	MAX15300ETI+	135°C	192	HRS	80	0
HIGH TEMP OP LIFE	1133	MAX8520ETP+	135°C	1000	HRS	48	0
HIGH TEMP OP LIFE	1133	MAX8520ETP+	135°C	1000	HRS	48	0
HIGH TEMP OP LIFE	1133	MAX8520ETP+	135°C	1000	HRS	48	0

HIGH TEMP OP LIFE	1133	MAX17491GTA+	135°C	1024	HRS	75	0
HIGH TEMP OP LIFE	1134	MAX2553ETN+	135°C	192	HRS	60	0
HIGH TEMP OP LIFE	1134	MAX17135ETJ+	135°C	192	HRS	48	0
HIGH TEMP OP LIFE	1134	MAX2553ETN+	135°C	240	HRS	48	0
HIGH TEMP OP LIFE	1135	TX27YETH+	135°C	192	HRS	80	0
HIGH TEMP OP LIFE	1136	MAX4936ACTO+	135°C	192	HRS	48	0
HIGH TEMP OP LIFE	1136	MAX4936ACTO+	135°C	192	HRS	31	0
HIGH TEMP OP LIFE	1136	MAX9599AETG+	135°C	192	HRS	80	0
HIGH TEMP OP LIFE	1137	MAX8798AETX+	135°C	1000	HRS	80	0
HIGH TEMP OP LIFE	1139	MAX5112GTJ+	135°C	192	HRS	48	0
HIGH TEMP OP LIFE	1141	MAX5316GTG+	135°C	192	HRS	80	0
HIGH TEMP OP LIFE	1142	MAX9832ETG+	135°C	1024	HRS	80	0
HIGH TEMP OP LIFE	1142	MAX9832ETG+	135°C	1024	HRS	79	0
HIGH TEMP OP LIFE	1143	MAX14616ETX+	135°C	192	HRS	76	0
HIGH TEMP OP LIFE	1143	MAX14616ETX+	135°C	192	HRS	80	0
HIGH TEMP OP LIFE	1144	MAX8655ETN+	135°C	1000	HRS	76	1
HIGH TEMP OP LIFE	1144	MAX8655ETN+	135°C	1000	HRS	41	0
HIGH TEMP OP LIFE	1145	MAX98400AETX+	135°C	500	HRS	72	0
HIGH TEMP OP LIFE	1147	MAX9688ETI+	135°C	1000	HRS	80	0
HIGH TEMP OP LIFE	1147	MAX9688RETI+	135°C	1000	HRS	80	0
HIGH TEMP OP LIFE	1147	MAX9688RETI+	135°C	1000	HRS	79	0
HIGH TEMP OP LIFE	1148	MAX15301ETJ+	135°C	336	HRS	20	0
HIGH TEMP OP LIFE	1150	MAX13366GTE/V+	135°C	192	HRS	80	0
HIGH TEMP OP LIFE	1150	MAX8655ETN+	135°C	10000	HRS	77	1
HIGH TEMP OP LIFE	1150	MAX8655ETN+	135°C	500	HRS	77	0
HIGH TEMP OP LIFE	1150	MAX9832ETG+	135°C	500	HRS	80	0
HIGH TEMP OP LIFE	1150	MAX9832ETG+	135°C	500	HRS	80	0
HIGH TEMP OP LIFE	1150	MAX17491GTA+	135°C	1000	HRS	75	0
HIGH TEMP OP LIFE	1151	MAX9832ETG+	135°C	1000	HRS	80	0
HIGH TEMP OP LIFE	1151	MAX2135AETN+	135°C	192	HRS	48	0
HIGH TEMP OP LIFE	1152	MAX9695AETM+	135°C	192	HRS	48	0
HIGH TEMP OP LIFE	1152	MAX9695AETM+	135°C	192	HRS	48	0
HIGH TEMP OP LIFE	1152	MAX9695ETM+	135°C	192	HRS	48	0
HIGH TEMP OP LIFE	1152	MAX9695ETM+	135°C	192	HRS	48	0
HIGH TEMP OP LIFE	1152	MAX16922ATPF/V+	135°C	1000	HRS	79	0
HIGH TEMP OP LIFE	1153	MAX2140ETH+	135°C	524	HRS	79	0
HIGH TEMP OP LIFE	1153	MAX2140ETH+	135°C	500	HRS	80	0
HIGH TEMP OP LIFE	1201	MAX98400AETX+	135°C	1000	HRS	70	0
HIGH TEMP OP LIFE	1202	MAX15202ATE+	135°C	192	HRS	80	0

HIGH TEMP OP LIFE	1203	MAX14616ETX+	135°C	192	HRS	80	0
HIGH TEMP OP LIFE	1203	MAX2172ETL+	135°C	500	HRS	78	0
HIGH TEMP OP LIFE	1207	DS1886	125C, 3.6 VOLTS	192	HRS	80	0
HIGH TEMP OP LIFE	1207	MAX2870ETJ+	135°C	192	HRS	80	0
HIGH TEMP OP LIFE	1208	MAX2135AETN/V+	135°C	500	HRS	32	0
HIGH TEMP OP LIFE	1208	MAX17491GTA+T	135°C	1000	HRS	74	0
HIGH TEMP OP LIFE	1209	MAX2058ETL+	135°C	500	HRS	48	0
HIGH TEMP OP LIFE	1209	MAX2058ETL+	135°C	500	HRS	32	0
HIGH TEMP OP LIFE	1209	MAX3802UTK+	135°C	517	HRS	80	0
HIGH TEMP OP LIFE	1211	MAX3947ETE+	135°C	192	HRS	79	0
HIGH TEMP OP LIFE	1213	MAX19794ETX+	135°C	192	HRS	80	0
HIGH TEMP OP LIFE	1214	MAX14808ETK+	135°C	500	HRS	79	0
HIGH TEMP OP LIFE	1214	MAX98400AETX+	135°C	1000	HRS	72	0
HIGH TEMP OP LIFE	1215	MAX14634ETE+	135°C	192	HRS	80	0
HIGH TEMP OP LIFE	1215	MAX9736AETJ+	135°C	192	HRS	78	0
HIGH TEMP OP LIFE	1216	MAX5971BETI+	135°C	192	HRS	47	0
HIGH TEMP OP LIFE	1216	MAX5971BETI+	135°C	192	HRS	47	0
HIGH TEMP OP LIFE	1216	MAX5971BETI+	135°C	192	HRS	46	0
HIGH TEMP OP LIFE	1216	MAX9272GTM+	135°C	192	HRS	80	0
HIGH TEMP OP LIFE	1216	MAX9708ETN+	135°C	500	HRS	47	0
HIGH TEMP OP LIFE	1216	MAX9736AETJ+	135°C	192	HRS	80	0
HIGH TEMP OP LIFE	1217	MAX14616AETX+	135°C	192	HRS	80	0
HIGH TEMP OP LIFE	1217	MAX14589EETP+	135°C	192	HRS	80	0
HIGH TEMP OP LIFE	1219	78M6610	125C, 3.6 VOLTS	192	HRS	80	0
HIGH TEMP OP LIFE	1219	MAX16936RATEA/V +	135°C	192	HRS	80	0
HIGH TEMP OP LIFE	1219	MAX2363ETM+	135°C	500	HRS	77	0
HIGH TEMP OP LIFE	1219	MAX2363ETM+	135°C	500	HRS	77	0
HIGH TEMP OP LIFE	1219	MAX2363ETM+	135°C	500	HRS	77	0
HIGH TEMP OP LIFE	1222	TX27YETH+	135°C	500	HRS	74	0
HIGH TEMP OP LIFE	1222	MAX9684ETN+	135°C	500	HRS	45	0
HIGH TEMP OP LIFE	1222	MAX9684ETN+	135°C	500	HRS	45	0
HIGH TEMP OP LIFE	1222	MAX9684ETN+	135°C	500	HRS	45	0
HIGH TEMP OP LIFE	1227	MAX17094ETM+	135°C	500	HRS	47	0
HIGH TEMP OP LIFE	1228	MAX5971BETI+	135°C	192	HRS	90	0
HIGH TEMP OP LIFE	1228	MAX5971BETI+	135°C	192	HRS	45	0
HIGH TEMP OP LIFE	1228	MAX5971BETI+	135°C	1000	HRS	85	0
HIGH TEMP OP LIFE	1232	MAX16962RATEA/V +	135°C	192	HRS	80	0
HIGH TEMP OP LIFE	1232	TX27YETH+	135°C	192	HRS	80	0

HIGH TEMP OP LIFE	1233	TX27YETH+	135°C	192	HRS	80	0
HIGH TEMP OP LIFE	1234	TX27YETH+	135°C	544	HRS	87	0
Total:						3	

STORAGE LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
STORAGE LIFE	1031	MAX16946GTE/V+	150°C	500	HRS	50	0
STORAGE LIFE	1127	MAXEXP7ETE+	150°C	1000	HRS	80	0
STORAGE LIFE	1127	MAXEXP7ETE+	150°C	1000	HRS	80	0
STORAGE LIFE	1127	MAXEXP7ETE+	150°C	1000	HRS	80	0
STORAGE LIFE	1131	MAX9684ETN+	150°C	1000	HRS	77	0
STORAGE LIFE	1131	MAX9684ETN+	150°C	1000	HRS	77	0
STORAGE LIFE	1132	MAX1781ETM+	150°C	1000	HRS	77	1
STORAGE LIFE	1132	MAX2363ETM+	150°C	1000	HRS	77	0
STORAGE LIFE	1132	MAX2363ETM+	150°C	500	HRS	77	0
STORAGE LIFE	1132	MAX2363ETM+	150°C	1000	HRS	77	0
STORAGE LIFE	1132	MAX2363ETM+	150°C	1000	HRS	77	0
STORAGE LIFE	1133	MAX8520ETP+	150°C	1048	HRS	30	0
STORAGE LIFE	1133	MAX8520ETP+	150°C	1048	HRS	30	0
STORAGE LIFE	1133	MAX8520ETP+	150°C	1000	HRS	30	0
STORAGE LIFE	1134	MAX16948AGTE/V+	150°C	500	HRS	50	1
STORAGE LIFE	1142	MAX9832ETG+	150°C	1000	HRS	80	0
STORAGE LIFE	1142	MAX9832ETG+	150°C	1000	HRS	80	0
STORAGE LIFE	1142	MAX15021ATI+	150°C	1048	HRS	45	0
STORAGE LIFE	1144	MAX8655ETN+	150°C	1000	HRS	78	0
STORAGE LIFE	1145	PHY1078-01	150°C	1000	HRS	77	0
VISUAL INSPECTION	1145	PHY1078-01	WHISKERS < 50um, Class 1/1A TC & HTS			77	0
STORAGE LIFE	1145	MAX98400AETX+	150°C	24	HRS	500	0
STORAGE LIFE	1145	MAX16948AGTE/V+	150°C	500	HRS	50	0
STORAGE LIFE	1147	MAX9688ETI+	150°C	1065	HRS	80	0
STORAGE LIFE	1147	MAX9688RETI+	150°C	1065	HRS	80	0
STORAGE LIFE	1147	MAX9688RETI+	150°C	1065	HRS	80	0
STORAGE LIFE	1150	MAX8795AGTJ+	150°C	500	HRS	50	0
STORAGE LIFE	1150	MAX8655ETN+	150°C	1000	HRS	78	0
STORAGE LIFE	1150	MAX8655ETN+	150°C	1000	HRS	78	0
STORAGE LIFE	1150	MAX13366GTE/V+	150°C	500	HRS	50	0
STORAGE LIFE	1151	MAX8795AGTJ+	150°C	500	HRS	50	0
STORAGE LIFE	1151	MAX9832ETG+	150°C	1000	HRS	80	0
STORAGE LIFE	1152	MAX19757ETX+	150°C	1000	HRS	80	0

STORAGE LIFE	1152	MAX16922ATPF/V+	150°C	500	HRS	50	1
STORAGE LIFE	1201	PHY1078-01	150°C	1000	HRS	76	0
VISUAL INSPECTION	1201	PHY1078-01	WHISKERS < 50um, Class 1/1A TC & HTS			76	0
STORAGE LIFE	1201	MAX98400AETX+	150°C	500	HRS	80	0
STORAGE LIFE	1201	MAX98400AETX+	150°C	1000	HRS	300	0
STORAGE LIFE	1202	PHY1078-01	150°C	1000	HRS	77	0
STORAGE LIFE	1205	MAX2091ETP+	150°C	48	HRS	50	1
STORAGE LIFE	1207	MAX9684ETN+	150°C	1000	HRS	77	0
STORAGE LIFE	1207	MAX9684ETN+	150°C	1000	HRS	77	0
STORAGE LIFE	1207	MAX9684ETN+	150°C	1000	HRS	77	0
STORAGE LIFE	1211	MAX17806EUI+	150°C	1000	HRS	79	0
STORAGE LIFE	1215	MAX9737ETG+	150°C	1000	HRS	50	0
STORAGE LIFE	1215	MAX1781ETM+	150°C	1000	HRS	77	0
STORAGE LIFE	1215	MAX1781ETM+	150°C	1000	HRS	77	0
STORAGE LIFE	1215	MAX1781ETM+	150°C	1000	HRS	77	0
STORAGE LIFE	1215	MAX9736AETJ+	150°C	1000	HRS	80	0
STORAGE LIFE	1216	MAX9708ETN+	150°C	1000	HRS	50	0
STORAGE LIFE	1218	MAX9737ETG+	150°C	1000	HRS	50	0
STORAGE LIFE	1219	MAX16936RATEA/V +	150°C	1000	HRS	50	0
STORAGE LIFE	1219	MAX2363ETM+	150°C	1000	HRS	77	0
STORAGE LIFE	1219	MAX2363ETM+	150°C	1000	HRS	77	0
STORAGE LIFE	1219	MAX2363ETM+	150°C	1000	HRS	77	0
STORAGE LIFE	1222	MAX9684ETN+	150°C	500	HRS	80	0
STORAGE LIFE	1222	MAX9684ETN+	150°C	500	HRS	80	0
STORAGE LIFE	1222	MAX9683ETN+	150°C	500	HRS	80	0
STORAGE LIFE	1223	MAX14576QEVB+	150°C	500	HRS	80	0
STORAGE LIFE	1223	MAX14576QEVB+	150°C	500	HRS	80	0
STORAGE LIFE	1223	MAX14576QEVB+	150°C	500	HRS	80	0
STORAGE LIFE	1226	MAX16834ATP+	150°C	500	HRS	50	0
STORAGE LIFE	1227	MAX17094ETM+	150°C	500	HRS	80	0
STORAGE LIFE	1227	MAX17094ETM+	150°C	500	HRS	80	0
						Total:	4

TEMPERATURE CYCLE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
TEMP CYCLE, 5' RAMP, 10' DWELL	1050	MAX8795AGTJ/V+	-65C TO 150C	500	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1123	MAX2769BETI/V+	-65C TO 150C	500	CYS	80	0

TEMP CYCLE, 5' RAMP, 10' DWELL	1127	MAXEXP7ETE+	-65C TO 150C	1000 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1127	MAXEXP7ETE+	-65C TO 150C	1000 CYS	78	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1127	MAXEXP7ETE+	-65C TO 150C	1000 CYS	78	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1130	MAX15022ATI+	-65C TO 150C	500 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1130	MAX15022ATI+	-65C TO 150C	500 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1130	MAX15022ATI+	-65C TO 150C	500 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1131	MAX9684ETN+	-65C TO 150C	1000 CYS	72	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1131	MAX9684ETN+	-65C TO 150C	1000 CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1131	MAX15022ATI+	-65C TO 150C	500 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1131	MAX15022ATI+	-65C TO 150C	500 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1131	MAX15022ATI+	-65C TO 150C	500 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1131	MAX15022ATI+	-65C TO 150C	500 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1132	MAX13362ATL/V+	-65C TO 150C	500 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1132	MAX1781ETM+	-65C TO 150C	1000 CYS	76	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1132	MAX1781ETM+	-65C TO 150C	1000 CYS	77	1
TEMP CYCLE, 5' RAMP, 10' DWELL	1132	MAX2363ETM+	-65C TO 150C	1000 CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1132	MAX2363ETM+	-65C TO 150C	1000 CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1132	MAX2363ETM+	-65C TO 150C	1000 CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1133	MAX8520ETP+	-65C TO 150C	1000 CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1133	MAX8520ETP+	-65C TO 150C	1000 CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1133	MAX8520ETP+	-65C TO 150C	1000 CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1134	MAX16948AGTE/V+	-65C TO 150C	500 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1136	MAX8643ETG+	-65C TO 150C	100 CYS	996	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1138	MAX8643ETG+	-65C TO 150C	1000 CYS	596	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1141	MAX17018DATL/V+	-65C TO 150C	500 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1142	MAX9832ETG+	-65C TO 150C	500 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1142	MAX9832ETG+	-65C TO 150C	500 CYS	80	0

TEMP CYCLE, 5' RAMP, 10' DWELL	1143	MAX9695ETM+	-65C TO 150C	1000 CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1143	MAX17018DATL/V+	-65C TO 150C	500 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1143	MAX16946GTE/V+	-65C TO 150C	500 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1144	MAX8655ETN+	-65C TO 150C	1000 CYS	78	0
VISUAL INSPECTION	1145	PHY1078-01	WHISKERS < 50um, Class 1/1A TC & HTS		77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1145	PHY1078-01	-55C TO 125C	1000 CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1145	MAX16948AGTE/V+	-65C TO 150C	500 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1145	MAX16948AGTE/V+	-65C TO 150C	500 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1146	MAX16946GTE+	-65C TO 150C	500 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1148	MAX8643ETG+	-65C TO 150C	50 CYS	2541	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1150	MAX8795AGTJ+	-65C TO 150C	500 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1150	MAX8795AGTJ+	-65C TO 150C	500 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1150	MAX8795AGTJ+	-65C TO 150C	500 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1150	MAX8655ETN+	-65C TO 150C	1000 CYS	78	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1150	MAX8655ETN+	-65C TO 150C	1000 CYS	78	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1150	MAX13366GTE/V+	-65C TO 150C	500 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1151	MAX8795AGTJ+	-65C TO 150C	500 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1151	MAX8795AGTJ+	-65C TO 150C	500 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1151	MAX8795AGTJ+	-65C TO 150C	500 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1151	MAX9832ETG+	-65C TO 150C	500 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1152	MAX2769BETI/V+	-65C TO 150C	500 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1152	MAX19757ETX+	-65C TO 150C	500 CYS	79	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1152	MAX3646ETG+	-65C TO 150C	1000 CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1152	MAX3646ETG+	-65C TO 150C	1000 CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1152	MAX16946GTE/V+	-65C TO 150C	500 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1152	MAX16922ATPF/V+	-65C TO 150C	500 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1201	PHY1078-01	-55C TO 125C	1000 CYS	76	0

VISUAL INSPECTION	1201	PHY1078-01	WHISKERS < 50um, Class 1/1A TC & HTS		76	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1201	MAX98400AETX+	-65C TO 150C	500 CYS	80	0
VISUAL INSPECTION	1202	PHY1078-01	WHISKERS < 50um, Class 1/1A TC & HTS		77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1202	PHY1078-01	-55C TO 125C	1000 CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1202	MAX16946GTE/V+	-65C TO 150C	500 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1207	MAX9684ETN+	-65C TO 150C	1000 CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1207	MAX9684ETN+	-65C TO 150C	500 CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1207	MAX9684ETN+	-65C TO 150C	1000 CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1208	MAX3646ETG+	-65C TO 150C	1000 CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1208	MAX3646ETG+	-65C TO 150C	1000 CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1209	MAX2769BETI/V+	-65C TO 150C	500 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1211	MAX9739ETG+	-65C TO 150C	500 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1215	MAX9737ETG+	-65C TO 150C	500 CYS	80	1
TEMP CYCLE, 5' RAMP, 10' DWELL	1215	MAX1781ETM+	-65C TO 150C	1000 CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1215	MAX1781ETM+	-65C TO 150C	1000 CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1215	MAX1781ETM+	-65C TO 150C	1000 CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1215	MAX9736AETJ+	-65C TO 150C	500 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1215	MAX9736AETJ+	-65C TO 150C	500 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1216	MAX9708ETN+	-65C TO 150C	500 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1216	MAX9736AETJ+	-65C TO 150C	1000 CYS	75	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1218	MAX9737ETG+	-65C TO 150C	500 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1218	MAX9737ETG+	-65C TO 150C	500 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1218	MAX9736BETJ+	-65C TO 150C	500 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1218	MAX9736BETJ+	-65C TO 150C	500 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1219	MAX16936RATEAV +	-65C TO 150C	500 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1219	MAX2363ETM+	-65C TO 150C	1000 CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1219	MAX2363ETM+	-65C TO 150C	1000 CYS	77	0

TEMP CYCLE, 5' RAMP, 10' DWELL	1219	MAX2363ETM=	-65C TO 150C	1000	CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1222	TX27TETH+	-65C TO 150C	200	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1222	MAX9684ETN+	-65C TO 150C	500	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1222	MAX9684ETN+	-65C TO 150C	500	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1222	MAX9684ETN+	-65C TO 150C	500	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1223	MAX14576QEVB+	-65C TO 150C	1000	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1223	MAX14576QEVB+	-65C TO 150C	1000	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1223	MAX14576QEVB+	-65C TO 150C	1000	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1227	MAX9708ETN/V+	-65C TO 150C	500	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1227	MAX17094ETM+	-65C TO 150C	1000	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1227	MAX17094ETM+	-65C TO 150C	1000	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1227	MAX17094ETM+	-65C TO 150C	500	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1232	TX27YETH+	-65C TO 150C	200	CYS	80	0
Total:						2	

TEMPERATURE HUMIDITY BIAS

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
BIASED MOISTURE	1050	MAX8795AGTJ/V+	130C, 85% R.H.	96	HRS	80	0
BIASED MOISTURE	1102	MAX9708ETN+	130C, 85% R.H.	100	HRS	35	0
BIASED MOISTURE	1130	MAX15022ATI+	130C, 85% R.H.	96	HRS	33	0
BIASED MOISTURE	1130	MAX15022ATI+	130C, 85% R.H.	100	HRS	33	0
BIASED MOISTURE	1131	MAX15022ATI+	130C, 85% R.H.	100	HRS	34	0
BIASED MOISTURE	1131	MAX15022ATI+	130C, 85% R.H.	100	HRS	34	0
BIASED MOISTURE	1131	MAX15022ATI+	130C, 85% R.H.	100	HRS	46	0
BIASED MOISTURE	1132	MAX1781ETM+	130C, 85% R.H.	500	HRS	30	1
BIASED MOISTURE	1142	MAX15021ATI+	130C, 85% R.H.	100	HRS	29	0
HAST	1145	PHY1078-01	130C, 85%R.H., 3.6V	96	HRS	45	0
BIASED MOISTURE	1146	MAX16946GTE+	130C, 85% R.H.	96	HRS	80	0
BIASED MOISTURE	1150	MAX8795AGTJ+	130C, 85% R.H.	96	HRS	80	0
BIASED MOISTURE	1150	MAX8655ETN+	130C, 85% R.H.	100	HRS	38	0
BIASED MOISTURE	1150	MAX8655ETN+	130C, 85% R.H.	100	HRS	39	0
BIASED MOISTURE	1151	MAX8795AGTJ+	130C, 85% R.H.	96	HRS	80	1
BIASED MOISTURE	1151	MAX8795AGTJ+	130C, 85% R.H.	96	HRS	80	0

BIASED MOISTURE	1152	MAX19757ETX+	130C, 85% R.H.	100	HRS	46	0
HAST	1201	PHY1078-01	130C, 85%R.H., 3.6V	96	HRS	40	0
BIASED MOISTURE	1201	MAX98400AETX+	130C, 85% R.H.	100	HRS	44	0
HAST	1202	PHY1078-01	130C, 85%R.H., 3.6V	96	HRS	40	0
BIASED MOISTURE	1202	MAX16946GTE/V+	130C, 85% R.H.	100	HRS	80	0
BIASED MOISTURE	1207	MAX9684ETN+	130C, 85% R.H.	100	HRS	45	0
BIASED MOISTURE	1207	MAX9684ETN+	130C, 85% R.H.	100	HRS	45	0
BIASED MOISTURE	1222	MAX9684ETN+	130C, 85% R.H.	100	HRS	35	0
BIASED MOISTURE	1222	MAX9684ETN+	130C, 85% R.H.	100	HRS	45	0
BIASED MOISTURE	1222	MAX9684ETN+	130C, 85% R.H.	100	HRS	45	0
Total:							2

UNBIASED MOISTURE RESISTANCE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
MOISTURE SOAK	1050	MAX8795AGTJ/V+	130C, 85% R.H.	96 HRS	80	0	
MOISTURE SOAK	1105	MAX8798ETX+	85 C/85% R.H.	1000 HRS	19	0	
MOISTURE SOAK	1105	MAX8798ETX+	85 C/85% R.H.	1000 HRS	45	0	
MOISTURE SOAK	1106	MAX9708ETN+	130C, 85% R.H.	100 HRS	80	0	
MOISTURE SOAK	1110	MAX11014BGTM+	85 C/85% R.H.	1000 HRS	30	0	
MOISTURE SOAK	1110	MAX11014BGTM+	85 C/85% R.H.	1000 HRS	29	0	
MOISTURE SOAK	1130	MAX15022ATI+	130C, 85% R.H.	96 HRS	80	0	
MOISTURE SOAK	1130	MAX15022ATI+	130C, 85% R.H.	100 HRS	80	0	
MOISTURE SOAK	1131	MAX15022ATI+	130C, 85% R.H.	100 HRS	80	0	
MOISTURE SOAK	1131	MAX15022ATI+	130C, 85% R.H.	100 HRS	80	0	
MOISTURE SOAK	1131	MAX15022ATI+	130C, 85% R.H.	100 HRS	80	0	
MOISTURE SOAK	1134	MAX16948AGTE/V+	130C, 85% R.H.	100 HRS	80	0	
MOISTURE SOAK	1141	MAX17018DATL/V+	130C, 85% R.H.	100 HRS	80	0	
MOISTURE SOAK	1142	MAX15021ATI+	130C, 85% R.H.	100 HRS	76	0	
MOISTURE SOAK	1143	MAX17018DATL/V+	130C, 85% R.H.	96 HRS	80	0	
MOISTURE SOAK	1143	MAX16946GTE/V+	130C, 85% R.H.	100 HRS	80	0	
MOISTURE SOAK	1144	MAX8655ETN+	130C, 85% R.H.	100 HRS	77	0	
MOISTURE SOAK	1145	MAX16948AGTE/V+	130C, 85% R.H.	100 HRS	80	0	
MOISTURE SOAK	1145	MAX16948AGTE/V+	130C, 85% R.H.	100 HRS	80	0	
MOISTURE SOAK	1146	MAX16946GTE+	130C, 85% R.H.	96 HRS	80	0	
MOISTURE SOAK	1150	MAX8795AGTJ+	130C, 85% R.H.	96 HRS	80	0	
MOISTURE SOAK	1150	MAX8795AGTJ+	130C, 85% R.H.	96 HRS	80	0	
MOISTURE SOAK	1150	MAX8795AGTJ+	130C, 85% R.H.	96 HRS	80	0	
MOISTURE SOAK	1150	MAX8655ETN+	130C, 85% R.H.	100 HRS	77	0	

MOISTURE SOAK	1150	MAX8655ETN+	130C, 85% R.H.	100	HRS	77	0	
MOISTURE SOAK	1151	MAX8795AGTJ+	130C, 85% R.H.	96	HRS	80	0	
MOISTURE SOAK	1151	MAX8795AGTJ+	130C, 85% R.H.	96	HRS	80	0	
MOISTURE SOAK	1151	MAX8795AGTJ+	130C, 85% R.H.	96	HRS	80	0	
MOISTURE SOAK	1152	MAX2769BETI/V+	130C, 85% R.H.	96	HRS	80	0	
MOISTURE SOAK	1152	MAX16946GTE/V+	130C, 85% R.H.	100	HRS	80	0	
MOISTURE SOAK	1202	MAX16946GTE/V+	130C, 85% R.H.	100	HRS	80	0	
MOISTURE SOAK	1227	MAX9708ETN/V+	130C, 85% R.H.	100	HRS	77	0	
MOISTURE SOAK	1227	MAX17094ETM+	130C, 85% R.H.	100	HRS	80	0	
MOISTURE SOAK	1227	MAX17094ETM+	130C, 85% R.H.	100	HRS	80	0	
MOISTURE SOAK	1227	MAX17094ETM+	130C, 85% R.H.	100	HRS	80	0	
Total:							0	0

Assembly Information:

Package Type: uTQFN (Pb-Free)

Date Code Range: 1130 to N/A

OPERATING LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO	
HIGH TEMP OP LIFE	1130	MAX11871ETM+	135°C	1000 HRS	80	0		
HIGH TEMP OP LIFE	1140	MAX11871ETM+	135°C	1000 HRS	80	0		
HIGH TEMP OP LIFE	1224	MAX11871EVM+	135°C	1000 HRS	77	0		
HIGH TEMP OP LIFE	1224	MAX11871EVM+	135°C	1000 HRS	77	0		
HIGH TEMP OP LIFE	1224	MAX11871EVM+	135°C	1000 HRS	77	0		
Total:							0	

STORAGE LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO	
STORAGE LIFE	1130	MAX11871ETM+	150°C	1000 HRS	80	0		
STORAGE LIFE	1224	MAX11871EVM+	150°C	1000 HRS	80	0		
STORAGE LIFE	1224	MAX11871EVM+	150°C	1000 HRS	80	0		
STORAGE LIFE	1224	MAX11871EVM+	150°C	1000 HRS	80	0		
Total:							0	

TEMPERATURE CYCLE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
TEMP CYCLE, 5' RAMP, 10' DWELL	1130	MAX11871ETM+	-65C TO 150C	500 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1224	MAX11871EVM+	-65C TO 150C	1000 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1224	MAX11871EVM+	-65C TO 150C	1000 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1224	MAX11871EVM+	-65C TO 150C	1000 CYS	80	0	

Total: 0

TEMPERATURE HUMIDITY BIAS

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
BIASED MOISTURE	1224	MAX11871EVM+	130C, 85% R.H.	100	HRS	35	0
BIASED MOISTURE	N/A	MAX11871ETM+	130C, 85% R.H.	100	HRS	35	0
Total:						0	

FAILURE RATE: MTTF (YRS): 228311 FITS: 0.5