

10/23/2014



**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	12 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	36	TQFN (Pb-Free)	ASE Chung-Li	40 TQFN (Pb-Free)
ASE Chung-Li	48	TQFN (Pb-Free)	ASE Chung-Li	56 TQFN (Pb-Free)
ASE Chung-Li	16	TQFN-HYB (Pb-Free)	ASE Chung-Li	32 TQFN-HYB (Pb-Free)
ASE Chung-Li	10	uTQFN (Pb-Free)	ATK (Amkor, K)	28 QFND (Pb-Free)
ATK (Amkor, K)	32	QFND (Pb-Free)	ATP (Amkor, PI)	32 QFND (Pb-Free)
ATP (Amkor, PI)	48	TQFN (Pb-Free)	UTACDG	12 TQFN (Pb-Free)
UTACDG	16	TQFN (Pb-Free)	UTACDG	20 TQFN (Pb-Free)
UTACDG	24	TQFN (Pb-Free)	UTACDG	32 TQFN (Pb-Free)
UTACDG	40	TQFN (Pb-Free)	UTACDG	68 TQFN (Pb-Free)
UTL (NSEB) UTAC	8	TQFN (Pb-Free)	UTL (NSEB) UTAC	16 TQFN (Pb-Free)
UTL (NSEB) UTAC	20	TQFN (Pb-Free)	UTL (NSEB) UTAC	24 TQFN (Pb-Free)
UTL (NSEB) UTAC	40	TQFN-HYB (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 10/1/2013 and 9/30/2014.

Assembly Information:

Package Type: QFND (Pb-Free)

Date Code Range: 1320 to 1425

OPERATING LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
HIGH TEMP OP LIFE	1425	MAX16993AGJC/VY	135°C	192 HRS	80	0	
		+CT					
				Total:		0	

STORAGE LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
STORAGE LIFE	1425	MAX16993AGJC/VY	150°C	1000 HRS	80	0	
		+CT					
				Total:		0	

TEMPERATURE CYCLE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
TEMP CYCLE, 5' RAMP, 10' DWELL	1320	MAX16993AGJC/VY	-65C TO +150C (Condition C)	500 CYS	80	0	
		+					

TEMP CYCLE, 5' RAMP, 10' DWELL	1321	MAX16993AGJC/VY +	-65C TO +150C (Condition C)	500	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1420	MAX16984RAGI/V+	-65C TO +150C (Condition C)	1000	CYS	24	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1425	MAX16993AGJC/VY +CT	-65C TO +150C (Condition C)	1000	CYS	80	0

Total: 0

TEMPERATURE HUMIDITY BIAS

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
BIASED MOISTURE	1320	MAX16993AGJC/VY +	130C, 85% R.H.	100	HRS	26	0
BIASED MOISTURE	1321	MAX16993AGJC/VY +	130C, 85% R.H.	100	HRS	27	0
BIASED MOISTURE	1425	MAX16993AGJC/VY +CT	130C, 85% R.H.	96	HRS	80	0

Total: 0

UNBIASED MOISTURE RESISTANCE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
MOISTURE SOAK	1320	MAX16993AGJC/VY +	130C, 85% R.H.	100	HRS	80	0
MOISTURE SOAK	1321	MAX16993AGJC/VY +	130C, 85% R.H.	100	HRS	80	0
MOISTURE SOAK	1425	MAX16993AGJC/VY +CT	130C, 85% R.H.	96	HRS	80	0

Total: 0

Assembly Information:

Package Type: TQFN (Pb-Free)

Date Code Range: 1229 to N/A

OPERATING LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
HIGH TEMP OP LIFE	1229	MAX16834ATP+	135°C	1000	HRS	48	0
HIGH TEMP OP LIFE	1310	MAX14661ETI+	135°C	192	HRS	80	0
HIGH TEMP OP LIFE	1310	MAX2181ETE/V+	135°C	192	HRS	80	0
HIGH TEMP OP LIFE	1314	MAX2553ETN/V+	135°C	1000	HRS	79	0
HIGH TEMP OP LIFE	1315	MAX2363ETM+	135°C	1000	HRS	77	0
HIGH TEMP OP LIFE	1315	MAX2363ETM+	135°C	1000	HRS	77	0
HIGH TEMP OP LIFE	1317	MAX2180AETG+	135°C	1000	HRS	35	0
HIGH TEMP OP LIFE	1317	MAX2180AETG+	135°C	1000	HRS	35	0
HIGH TEMP OP LIFE	1317	MAX2180AETG+	135°C	1000	HRS	35	0
HIGH TEMP OP LIFE	1319	MAX2553ETN/V+	135°C	1000	HRS	77	0
HIGH TEMP OP LIFE	1320	MAX16813ATP/V+	135°C	1000	HRS	80	0
HIGH TEMP OP LIFE	1322	MAX14689ETP+	135°C	192	HRS	80	0
HIGH TEMP OP LIFE	1322	MAX98357BETE+	135°C	1000	HRS	80	0

HIGH TEMP OP LIFE	1323	DS3923	125C, 3.6V (PSA) & 76.0V (PSD)	192	HRS	80	0
HIGH TEMP OP LIFE	1323	MAX16962RATEA/V +	135°C	1000	HRS	80	0
HIGH TEMP OP LIFE	1323	MAX16962RATEA/V +	135°C	1000	HRS	40	0
HIGH TEMP OP LIFE	1323	MAX16962RATEA/V +	135°C	1000	HRS	40	0
HIGH TEMP OP LIFE	1324	MAXEXP7ETE+	135°C	1000	HRS	80	0
HIGH TEMP OP LIFE	1325	MAXEXP7ETE+	135°C	1000	HRS	80	0
HIGH TEMP OP LIFE	1326	MAX1781ETM+	135°C	1000	HRS	79	0
HIGH TEMP OP LIFE	1326	MAX1781ETM+	135°C	1000	HRS	79	0
HIGH TEMP OP LIFE	1326	MAX1781ETM+	135°C	1000	HRS	80	0
HIGH TEMP OP LIFE	1327	MAX17491GTA+	135°C	1000	HRS	79	0
HIGH TEMP OP LIFE	1327	MAX98400AETX+	135°C	1000	HRS	80	0
HIGH TEMP OP LIFE	1328	MAX9832ETG+	135°C	1000	HRS	80	0
HIGH TEMP OP LIFE	1330	MAXEXP7ETE+	135°C	1000	HRS	80	0
HIGH TEMP OP LIFE	1332	MAX3738ETG+	135°C	500	HRS	80	0
HIGH TEMP OP LIFE	1332	MAX3738ETG+	135°C	192	HRS	80	0
HIGH TEMP OP LIFE	1333	MAX3738ETG+	135°C	500	HRS	80	0
HIGH TEMP OP LIFE	1333	MAX2870ETJ+	135°C	1028	HRS	80	0
HIGH TEMP OP LIFE	1338	MAX3738ETG+	135°C	500	HRS	80	0
HIGH TEMP OP LIFE	1338	MAX98400AETX+	135°C	1000	HRS	80	0
HIGH TEMP OP LIFE	1343	MAX98357AETE+	135°C	1000	HRS	80	0
HIGH TEMP OP LIFE	1346	MAX2880ETP+	135°C	240	HRS	80	0
HIGH TEMP OP LIFE	1346	MAX2880ETP+	135°C	240	HRS	80	1
HIGH TEMP OP LIFE	1346	MAX17491GTA+	135°C	1000	HRS	79	0
HIGH TEMP OP LIFE	1347	MAX3646ETG+	135°C	500	HRS	80	0
HIGH TEMP OP LIFE	1348	MAX3646ETG+	135°C	500	HRS	80	0
HIGH TEMP OP LIFE	1403	MAX98400ETX+	135°C	500	HRS	80	0
HIGH TEMP OP LIFE	1404	MAX2172ETL+	135°C	192	HRS	80	0
HIGH TEMP OP LIFE	1404	MAX2172ETL+	135°C	500	HRS	80	0
HIGH TEMP OP LIFE	1405	MAX44205ATC+	135°C	192	HRS	79	0
HIGH TEMP OP LIFE	1405	MAX2172ETL+	135°C	500	HRS	80	0
HIGH TEMP OP LIFE	1413	MAX16814CATP+	135°C	1000	HRS	80	0
HIGH TEMP OP LIFE	1414	DS3922	125C, 3.6V (PSA) & 76.0V (PSD)	192	HRS	79	0
HIGH TEMP OP LIFE	1415	MAX16936RATEA/V +CA	135°C	1000	HRS	80	0
HIGH TEMP OP LIFE	1419	MAX98400AETX+	135°C	1000	HRS	80	0
HIGH TEMP OP LIFE	1421	MAX14808ETK+	135°C	1000	HRS	77	0
HIGH TEMP OP LIFE	1422	MAX9788ETI+	135°C	500	HRS	48	0

HIGH TEMP OP LIFE	1423	MAX2172ETL+C8S	135°C	500	HRS	80	0
HIGH TEMP OP LIFE	1426	MAX14778ETP+	135°C	192	HRS	80	0
HIGH TEMP OP LIFE	N/A	MAX5961ETM+	135°C	500	HRS	38	0
HIGH TEMP OP LIFE	N/A	MAX5961ETM+	135°C	500	HRS	42	0
HIGH TEMP OP LIFE	N/A	MAX5961ETM+	135°C	1000	HRS	41	0
Total:							1

STORAGE LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
STORAGE LIFE	1323	MAX16962RATEA/V+	150°C	1000 HRS	80	0	
STORAGE LIFE	1323	MAX16962RATEA/V+	150°C	1000 HRS	80	0	
STORAGE LIFE	1323	MAX16962RATEA/V+	150°C	1000 HRS	80	0	
STORAGE LIFE	1323	MAX16962RATEA/V+	150°C	1000 HRS	80	0	
STORAGE LIFE	1324	MAXEXP7ETE+	150°C	1000 HRS	80	0	
STORAGE LIFE	1325	MAXEXP7ETE+	150°C	1000 HRS	80	0	
STORAGE LIFE	1326	MAX1781ETM+	150°C	1000 HRS	79	0	
STORAGE LIFE	1326	MAX1781ETM+	150°C	1000 HRS	80	0	
STORAGE LIFE	1326	MAX1781ETM+	150°C	1000 HRS	80	0	
STORAGE LIFE	1327	MAX17491GTA+	150°C	1000 HRS	80	0	
STORAGE LIFE	1327	MAX98400AETX+	150°C	1000 HRS	80	0	
STORAGE LIFE	1328	MAX9832ETG+	150°C	1000 HRS	80	0	
STORAGE LIFE	1328	MAX2181AETE/V+	150°C	1000 HRS	80	0	
STORAGE LIFE	1328	MAX2181AETE/V+	150°C	1000 HRS	80	0	
STORAGE LIFE	1330	MAXEXP7ETE+	150°C	1000 HRS	80	0	
STORAGE LIFE	1346	MAX17491GTA+	150°C	1000 HRS	80	0	
STORAGE LIFE	1403	MAX4811CTN+	150°C	1000 HRS	80	0	
STORAGE LIFE	1415	MAX16936RATEA/V+CA	150°C	1000 HRS	77	0	
STORAGE LIFE	1422	MAX2172ETL+C8S	150°C	1000 HRS	80	0	
STORAGE LIFE	1422	MAX4811CTN+	150°C	500 HRS	80	0	
STORAGE LIFE	1422	MAX9788ETI+	150°C	500 HRS	80	0	
STORAGE LIFE	1424	MAX16990ATCD/V+	150°C	1000 HRS	50	0	
STORAGE LIFE	1425	MAX9668ETP+	150°C	500 HRS	80	0	
STORAGE LIFE	1426	MAX14778ETP+	150°C	1000 HRS	80	0	
STORAGE LIFE	1426	MAX8663ETL+	150°C	500 HRS	80	0	
STORAGE LIFE	1426	MAX8663ETL+	150°C	500 HRS	80	0	
Total:							0

TEMPERATURE CYCLE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
TEMP CYCLE, 5' RAMP, 10' DWELL	1323	MAX16962RATEA/V +	-65C TO +150C (Condition C)	1000 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1323	MAX16962RATEA/V +	-65C TO +150C (Condition C)	1000 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1323	MAX16962RATEA/V +	-65C TO +150C (Condition C)	1000 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1323	MAX16962RATEA/V +	-65C TO +150C (Condition C)	1000 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1326	MAX1781ETM+	-65C TO +150C (Condition C)	1000 CYS	77	1	
TEMP CYCLE, 5' RAMP, 10' DWELL	1326	MAX1781ETM+	-65C TO +150C (Condition C)	1000 CYS	76	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1327	MAX98400AETX+	-65C TO +150C (Condition C)	500 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1328	MAX9832ETG+	-65C TO +150C (Condition C)	500 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1328	MAX2181AETE/V+	-65C TO +150C (Condition C)	500 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1328	MAX2181AETE/V+	-65C TO +150C (Condition C)	500 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1330	MAXEXP7ETE+	-65C TO +150C (Condition C)	500 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1331	MAX2181AETE/V+	-65C TO +150C (Condition C)	500 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1346	MAX17491GTA+	-65C TO +150C (Condition C)	500 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1403	MAX4811CTN+	-65C TO +150C (Condition C)	1000 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1411	MAX3646ETG+	-65C TO +150C (Condition C)	1000 CYS	79	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1415	MAX16936RATEA/V +CA	-65C TO +150C (Condition C)	500 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1422	MAX2172ETL+C8S	-65C TO +150C (Condition C)	1000 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1422	MAX4811CTN+	-65C TO +150C (Condition C)	200 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1422	MAX9788ETI+	-65C TO +150C (Condition C)	500 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1424	MAX16990ATCD/V+	-65C TO +150C (Condition C)	500 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1425	MAX9668ETP+	-65C TO +150C (Condition C)	500 CYS	79	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1425	MAX16936RATE/V+ CA	-65C TO +150C (Condition C)	500 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1426	MAX14778ETP+	-65C TO +150C (Condition C)	500 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1426	MAX8663ETL+	-65C TO +150C (Condition C)	500 CYS	80	0	

TEMP CYCLE, 5' RAMP, 10' DWELL	1426	MAX8663ETL+	-65C TO +150C (Condition C)	500	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1426	MAX8663ETL+	-65C TO +150C (Condition C)	500	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1426	MAX16936RATEA/V+CA	-65C TO +150C (Condition C)	500	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1427	MAX1932ETC+	-65C TO +150C (Condition C)	500	CYS	80	0

Total: 1

TEMPERATURE HUMIDITY BIAS

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
BIASED MOISTURE	1248	MAX17491GTA+T	130C, 85% R.H.	192	HRS	45	0
BIASED MOISTURE	1248	MAX17491GTA+T	130C, 85% R.H.	192	HRS	45	0
BIASED MOISTURE	1248	MAX17491GTA+T	130C, 85% R.H.	192	HRS	44	0
BIASED MOISTURE	1315	MAX2363ETM+	130C, 85% R.H.	100	HRS	35	0
BIASED MOISTURE	1315	MAX2363ETM+	130C, 85% R.H.	100	HRS	35	0
BIASED MOISTURE	1315	MAX2363ETM+	130C, 85% R.H.	100	HRS	35	0
BIASED MOISTURE	1317	MAX2180AETG+	130C, 85% R.H.	200	HRS	80	0
BIASED MOISTURE	1317	MAX2180AETG+	130C, 85% R.H.	200	HRS	80	0
BIASED MOISTURE	1317	MAX2180AETG+	130C, 85% R.H.	200	HRS	79	0
BIASED MOISTURE	1323	MAX16962RATEA/V+	130C, 85% R.H.	192	HRS	45	0
BIASED MOISTURE	1323	MAX16962RATEA/V+	130C, 85% R.H.	192	HRS	44	0
BIASED MOISTURE	1323	MAX16962RATEA/V+	130C, 85% R.H.	192	HRS	45	0
BIASED MOISTURE	1323	MAX16962RATEA/V+	130C, 85% R.H.	192	HRS	45	0
BIASED MOISTURE	1325	MAXEXP7ETE+	130C, 85% R.H.	100	HRS	80	0
BIASED MOISTURE	1327	MAX17491GTA+	130C, 85% R.H.	100	HRS	32	0
BIASED MOISTURE	1327	MAX98400AETX+	130C, 85% R.H.	100	HRS	80	0
BIASED MOISTURE	1328	MAX9832ETG+	130C, 85% R.H.	100	HRS	80	0
BIASED MOISTURE	1328	MAX2181AETE/V+	130C, 85% R.H.	100	HRS	32	0
BIASED MOISTURE	1328	MAX2181ETE/V+	130C, 85% R.H.	100	HRS	32	0
BIASED MOISTURE	1328	MAX16930ATLS/V+	130C, 85% R.H.	96	HRS	33	0
BIASED MOISTURE	1330	MAXEXP7ETE+	130C, 85% R.H.	100	HRS	32	0
BIASED MOISTURE	1331	MAX2181AETE/V+	130C, 85% R.H.	100	HRS	48	0
BIASED MOISTURE	1346	MAX17491GTA+	130C, 85% R.H.	100	HRS	32	0
BIASED MOISTURE	1402	MAX16930ATLS/V+	130C, 85% R.H.	96	HRS	80	0
BIASED MOISTURE	1411	MAX3646ETG+	130C, 85% R.H.	100	HRS	80	0
BIASED MOISTURE	1416	MAXEXP7ETE+	130C, 85% R.H.	100	HRS	80	0
BIASED MOISTURE	1416	MAXEXP7ETE+	130C, 85% R.H.	100	HRS	80	0

BIASED MOISTURE	1417	MAXEXP7ETE+	130C, 85% R.H.	100	HRS	80	0	
BIASED MOISTURE	1425	MAX16936RATE/V+ CA	130C, 85% R.H.	96	HRS	76	0	
BIASED MOISTURE	1426	MAX14778ETP+	130C, 85% R.H.	100	HRS	79	0	
BIASED MOISTURE	1426	MAX16936RATEA/V +CA	130C, 85% R.H.	96	HRS	76	0	
BIASED MOISTURE	1431	MAXEXP7ETE+	130C, 85% R.H.	100	HRS	45	0	
Total:							0	

UNBIASED MOISTURE RESISTANCE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO	
MOISTURE SOAK	1317	MAX2180AETG+	130C, 85% R.H.	500	HRS	80	0	
MOISTURE SOAK	1317	MAX2180AETG+	130C, 85% R.H.	500	HRS	80	0	
MOISTURE SOAK	1317	MAX2180AETG+	130C, 85% R.H.	500	HRS	80	0	
MOISTURE SOAK	1323	MAX16962RATEA/V +	130C, 85% R.H.	500	HRS	80	0	
MOISTURE SOAK	1323	MAX16962RATEA/V +	130C, 85% R.H.	500	HRS	79	0	
MOISTURE SOAK	1323	MAX16962RATEA/V +	130C, 85% R.H.	500	HRS	80	0	
MOISTURE SOAK	1323	MAX16962RATEA/V +	130C, 85% R.H.	500	HRS	80	0	
MOISTURE SOAK	1327	MAX17491GTA+	130C, 85% R.H.	100	HRS	80	0	
MOISTURE SOAK	1328	MAX2181AETE/V+	130C, 85% R.H.	100	HRS	80	0	
MOISTURE SOAK	1328	MAX2181AETE/V+	130C, 85% R.H.	100	HRS	80	0	
MOISTURE SOAK	1328	MAX15023ETG+	130C, 85% R.H.	96	HRS	99	0	
MOISTURE SOAK	1331	MAX2181AETE/V+	130C, 85% R.H.	100	HRS	80	0	
MOISTURE SOAK	1403	MAX4811CTN+	130C, 85% R.H.	100	HRS	80	0	
MOISTURE SOAK	1415	MAX16936RATEA/V +CA	130C, 85% R.H.	100	HRS	80	0	
MOISTURE SOAK	1424	MAX16990ATCD/V+	130C, 85% R.H.	100	HRS	80	0	
MOISTURE SOAK	1425	MAX16936RATE/V+ CA	130C, 85% R.H.	96	HRS	80	0	
MOISTURE SOAK	1426	MAX14778ETP+	130C, 85% R.H.	100	HRS	80	0	
MOISTURE SOAK	1426	MAX16936RATEA/V +CA	130C, 85% R.H.	96	HRS	80	0	
Total:							0	

Assembly Information:

Package Type: TQFN-HYB (Pb-Free)
Date Code Range: 1308 to 1329

OPERATING LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO	
HIGH TEMP OP LIFE	1327	MAX15303ETL+	135°C	500	HRS	79	0	
Total:							0	

STORAGE LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
STORAGE LIFE	1329	MAX15304ETJ+	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	1329	MAX15304ETJ+	-65C TO +150C (Condition C)	1000 CYS	80	0	
Total:						0	

UNBIASED MOISTURE RESISTANCE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
MOISTURE SOAK	1308	MAX11190ETE+	85 C/85% R.H.	500 HRS	47	0	
MOISTURE SOAK	1308	MAX11190ETE+	85 C/85% R.H.	1000 HRS	23	0	
MOISTURE SOAK	1308	MAX11190ETE+	85 C/85% R.H.	1000 HRS	24	0	
Total:						0	

Assembly Information:

Package Type: uTQFN (Pb-Free)

Date Code Range: 1332 to 1332

OPERATING LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
HIGH TEMP OP LIFE	1332	MAX14576EVB+	135°C	62 HRS	80	0	
Total:						0	

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