

8/1/2019



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	14	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	40	TQFN (Pb-Free)	ASE Chung-Li	48 TQFN (Pb-Free)
ASE Chung-Li	56	TQFN (Pb-Free)	ASE Chung-Li	64 TQFN (Pb-Free)
ASE Chung-Li	68	TQFN (Pb-Free)	ASE Chung-Li	83 TQFN (Pb-Free)
ASE Chung-Li	12	TQFN-CU (Pb-Free)	ASE Chung-Li	16 TQFN-CU (Pb-Free)
ASE Chung-Li	20	TQFN-CU (Pb-Free)	ASE Chung-Li	24 TQFN-CU (Pb-Free)
ASE Chung-Li	28	TQFN-CU (Pb-Free)	ASE Chung-Li	32 TQFN-CU (Pb-Free)
ASE Chung-Li	40	TQFN-CU (Pb-Free)	ASE Chung-Li	48 TQFN-CU (Pb-Free)
ASE Chung-Li	64	TQFN-CU (Pb-Free)	ASE Kaoshiung	17 Flip Chip QFN (Pb-Free)
ASE Kaoshiung	48	Flip Chip QFN (Pb-Free)	ASE Kaoshiung	28 TQFN (Pb-Free)
ASMC	16	Flip Chip QFN (Pb-Free)	ATC (Amkor, China)	76 Flip Chip QFN (Pb-Free)
JCAP	15	Flip Chip QFN (Pb-Free)	JCAP	18 Flip Chip QFN (Pb-Free)
JCAP	30	Flip Chip QFN (Pb-Free)	JCAP	35 Flip Chip QFN (Pb-Free)
JCET	12	Flip Chip QFN (Pb-Free)	JCET	17 Flip Chip QFN (Pb-Free)
JCET	22	Flip Chip QFN (Pb-Free)	JCET	30 Flip Chip QFN (Pb-Free)
UTAC DG	28	TQFN (Pb-Free)	UTAC DG	40 TQFN (Pb-Free)
UTAC DG	56	TQFN (Pb-Free)	UTL (NSEB) UTAC	12 Flip Chip QFN (Pb-Free)
UTL (NSEB) UTAC	15	Flip Chip QFN (Pb-Free)	UTL (NSEB) UTAC	16 Flip Chip QFN (Pb-Free)
UTL (NSEB) UTAC	6	TQFN (Pb-Free)	UTL (NSEB) UTAC	16 TQFN (Pb-Free)
UTL (NSEB) UTAC	24	TQFN (Pb-Free)	UTL (NSEB) UTAC	28 TQFN (Pb-Free)
UTL (NSEB) UTAC	32	TQFN (Pb-Free)	UTL (NSEB) UTAC	48 TQFN (Pb-Free)
UTL (NSEB) UTAC	56	TQFN (Pb-Free)	UTL (NSEB) UTAC	68 TQFN (Pb-Free)
UTL (NSEB) UTAC	16	TQFN-CU (Pb-Free)	UTL (NSEB) UTAC	24 TQFN-CU (Pb-Free)
UTL (NSEB) UTAC	28	TQFN-CU (Pb-Free)	UTL (NSEB) UTAC	32 TQFN-CU (Pb-Free)
UTL (NSEB) UTAC	40	TQFN-CU (Pb-Free)	UTL (NSEB) UTAC	48 TQFN-CU (Pb-Free)

The calculated failure rate for this assembly is:

FAILURE RATE: MTTF (YRS): ##### FITS: 0.1

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

Cf: 60% Ea: 0.7 Tu: 25 °C

The reliability data follows. A 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 4/1/2019 and 8/1/2019

Assembly Information:

Package Type: Flip Chip QFN (Pb-Free)
 Date Code Range: 1718 to 1903

OPERATING LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
HIGH TEMP OP LIFE		VS98C-0A	125°C	500 HRS	80	0	
HIGH TEMP OP LIFE		VS98C-0A	125°C	500 HRS	80	0	
HIGH TEMP OP LIFE		VS98C-0A	125°C	500 HRS	80	0	

HIGH TEMP OP LIFE	1813	MAX98373EFF+	125°C	192	HRS	79	0
HIGH TEMP OP LIFE	1834	MAX20779/VK11	125°C	1000	HRS	78	0
HIGH TEMP OP LIFE	1838	MAX16604GFN+	125°C	1000	HRS	78	0
HIGH TEMP OP LIFE	1838	MAX16604GFN+	125°C	500	HRS	40	0
HIGH TEMP OP LIFE	1846	MAX77930EFV+	125°C	120	HRS	48	0
HIGH TEMP OP LIFE	1846	MAX77930EFV+	125°C	192	HRS	78	0
HIGH TEMP OP LIFE	1846	MAX77930EFV+	125°C	1000	HRS	80	0
HIGH TEMP OP LIFE	1846	MAX77930EFV+	125°C	500	HRS	80	0
HIGH TEMP OP LIFE	1851	MAX20780	125°C	1000	HRS	79	0
HIGH TEMP OP LIFE	1851	MAX20780	125°C	1000	HRS	80	0
HIGH TEMP OP LIFE	1851	MAX20780	125°C	1000	HRS	79	0
HIGH TEMP OP LIFE	1903	MAX20011BAFOA/V Y+	125°C	192	HRS	28	0
HIGH TEMP OP LIFE	1903	MAX20796GFB+	125°C	1000	HRS	81	0
Total:							0

PACKAGE TESTS

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
CONVECTION REFLOW		MAX16604GFN+	85 C/85% R.H.	3	PASS	350	0
CONVECTION REFLOW		MAX16604GFN+	85 C/85% R.H.	3	PASS	200	0
CONVECTION REFLOW		MAX16604GFN+	85 C/85% R.H.	3	PASS	350	0
CONVECTION REFLOW		MAX16604GFN+	85 C/85% R.H.	3	PASS	80	0
CONVECTION REFLOW		MAX16604GFN+	85 C/85% R.H.	3	PASS	180	0
CONVECTION REFLOW	1827	MAX20735EPL+	85 C/85% R.H.	3	PASS	400	0
CONVECTION REFLOW	1831	MAX20735EPL+	85 C/85% R.H.	3	PASS	400	0
CONVECTION REFLOW	1831	MAX20735EPL+	85 C/85% R.H.	3	PASS	400	0
CONVECTION REFLOW	1836	MAX16604CFN	260C +/-5C	3	PASS	200	0
CONVECTION REFLOW	1836	MAX16604GFN	260C +/-5C	3	PASS	200	0
CONVECTION REFLOW	1838	MAX16604GFN+	85 C/85% R.H.	3	PASS	350	0
CONVECTION REFLOW	1838	MAX16604GFN+	85 C/85% R.H.	3	PASS	80	0
CONVECTION REFLOW	1838	MAX16604GFN+	85 C/85% R.H.	3	PASS	200	0
CONVECTION REFLOW	1846	MAX77930EFV+	260C +/-5C	3	PASS	400	0
CONVECTION REFLOW	1846	MAX77930EFV+	260C +/-5C	3	PASS	150	0
CONVECTION REFLOW	1851	MAX20780	85 C/85% R.H.	3	PASS	119	0
CONVECTION REFLOW	1851	MAX20780	85 C/85% R.H.	3	PASS	120	0
CONVECTION REFLOW	1851	MAX20780	85 C/85% R.H.	3	PASS	120	0
Total:							0

STORAGE LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
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STORAGE LIFE		VS98C-0A	150°C	1000 HRS	80	0
STORAGE LIFE		VS98C-0A	150°C	1000 HRS	80	0
STORAGE LIFE		VS98C-0A	150°C	1000 HRS	78	0
STORAGE LIFE	1718	90-J1326+T04	150°C	1000 HRS	80	0
STORAGE LIFE	1817	MAX20024CGXXE/V +	150°C	1000 HRS	80	0
STORAGE LIFE	1851	MAX20780	150°C	1000 HRS	80	0
STORAGE LIFE	1851	MAX20780	150°C	1000 HRS	80	0
STORAGE LIFE	1851	MAX20780	150°C	1000 HRS	80	0
Total:					0	0

TEMPERATURE CYCLE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
TEMP CYCLE, 5' RAMP, 10' DWELL		VS98C-0A	-65C TO +150C (Condition C)	1000 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL		VS98C-0A	-65C TO +150C (Condition C)	1000 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL		VS98C-0A	-65C TO +150C (Condition C)	1000 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1832	MAX16604GFN+	-55C TO +125C (Condition B)	1000 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1836	MAX16604CFN	-65C TO +150C (Condition C)	1000 CYS	79	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1836	MAX16604GFN	-65C TO +150C (Condition C)	1000 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1847	MAX98373EFF+CQ8	-65C TO +150C (Condition C)	1000 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1851	MAX20780	-65C TO +150C (Condition C)	1000 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1851	MAX20780	-65C TO +150C (Condition C)	1000 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1851	MAX20780	-65C TO +150C (Condition C)	1000 CYS	80	0	
Total:					0	0	

TEMPERATURE HUMIDITY BIAS

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
BIASED MOISTURE		MAX14915AFM+	130C, 85% R.H.	96 HRS	52	0	
BIASED MOISTURE		MAX14915AFM+	130C, 85% R.H.	96 HRS	52	0	
BIASED MOISTURE	1718	90-J1326+T04	130C, 85% R.H.	96 HRS	80	0	
BIASED MOISTURE	1817	MAX20024CGXXE/V +	130C, 85% R.H.	96 HRS	80	0	
BIASED MOISTURE	1836	MAX16604CFN	130C, 85% R.H.	96 HRS	80	0	
BIASED MOISTURE	1836	MAX16604GFN+	85C, 85% R.H.	96 HRS	36	0	
BIASED MOISTURE	1836	MAX16604GFN+	85C, 85% R.H.	96 HRS	40	0	
BIASED MOISTURE	1846	MAX77930EFV+	130C, 85% R.H.	96 HRS	19	0	
BIASED MOISTURE	1846	MAX77930EFV+	130C, 85% R.H.	96 HRS	20	0	

BIASED MOISTURE	1846	MAX77930EFV+	130C, 85% R.H.	96	HRS	20	0
BIASED MOISTURE	1851	MAX20780	130C, 85% R.H.	96	HRS	7	0
BIASED MOISTURE	1851	MAX20780	130C, 85% R.H.	96	HRS	19	0
BIASED MOISTURE	1851	MAX20780	130C, 85% R.H.	96	HRS	50	0
BIASED MOISTURE	1851	MAX20780	130C, 85% R.H.	96	HRS	20	0
BIASED MOISTURE	1851	MAX20780	130C, 85% R.H.	96	HRS	30	0
BIASED MOISTURE	1851	MAX20780	130C, 85% R.H.	96	HRS	20	0
BIASED MOISTURE	1851	MAX20780	130C, 85% R.H.	96	HRS	30	0
Total:							0

UNBIASED MOISTURE RESISTANCE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
MOISTURE SOAK	1846	MAX77930EFV+	130C, 85% R.H.	96 HRS	80	0	
MOISTURE SOAK	1851	MAX20780	130C, 85% R.H.	96 HRS	80	0	
MOISTURE SOAK	1851	MAX20780	130C, 85% R.H.	96 HRS	80	0	
MOISTURE SOAK	1851	MAX20780	130C, 85% R.H.	96 HRS	80	0	
Total:							0

Assembly Information:

Package Type: TQFN (Pb-Free)
Date Code Range: 1522 to 1917

OPERATING LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
HIGH TEMP OP LIFE		MAX9296AGTM/VY	125°C	192 HRS	80	0	
HIGH TEMP OP LIFE		MAX25105EQP/V+	125°C	192 HRS	80	0	
HIGH TEMP OP LIFE		MAX25105EQP/V+	125°C	192 HRS	80	0	
HIGH TEMP OP LIFE	1522	MAX2142GTM/V+	125°C	1000 HRS	114	0	
HIGH TEMP OP LIFE	1745	MAX96705GTJ/V+G5 H	125°C	1300 HRS	50	0	
HIGH TEMP OP LIFE	1803	MAX16047ETN+	125°C	1000 HRS	42	0	
HIGH TEMP OP LIFE	1803	MAX16936RATEA/V+ CU	125°C	1000 HRS	80	0	
HIGH TEMP OP LIFE	1804	MAX5961ETM+	125°C	1000 HRS	32	0	
HIGH TEMP OP LIFE	1804	MAX2058ETL+	125°C	1000 HRS	48	0	
HIGH TEMP OP LIFE	1804	MAX2058ETL+	125°C	192 HRS	80	0	
HIGH TEMP OP LIFE	1805	MAX9288GTM/V+	125°C	1000 HRS	75	0	
HIGH TEMP OP LIFE	1806	MAX5423ETA+	125°C	1000 HRS	42	0	
HIGH TEMP OP LIFE	1806	MAX2150ETI+	125°C	1000 HRS	42	0	
HIGH TEMP OP LIFE	1806	MAX9814ETD+	125°C	1000 HRS	45	0	
HIGH TEMP OP LIFE	1809	MAX5090BATE+	125°C	1000 HRS	79	0	

HIGH TEMP OP LIFE	1812	MAX17502GATB+T	125°C	1000	HRS	75	0
HIGH TEMP OP LIFE	1816	MAX16826ATJ+	125°C	1000	HRS	80	0
HIGH TEMP OP LIFE	1817	MAX14988ETK+	125°C	1000	HRS	77	0
HIGH TEMP OP LIFE	1818	MAX2771ETI+	125°C	192	HRS	80	0
HIGH TEMP OP LIFE	1818	MAX16076ATP/V+CN A	125°C	500	HRS	80	0
HIGH TEMP OP LIFE	1818	MAX16076ATP/V+CN A	125°C	1000	HRS	80	0
HIGH TEMP OP LIFE	1819	MAX15158ATJ+	125°C	192	HRS	80	0
HIGH TEMP OP LIFE	1819	MAX5090AATE+	125°C	500	HRS	80	0
HIGH TEMP OP LIFE	1819	MAX5090AATE+	125°C	1000	HRS	80	0
HIGH TEMP OP LIFE	1820	MAX2769BETI/V+	125°C	1000	HRS	80	0
HIGH TEMP OP LIFE	1820	MAX2769BETI/V+	125°C	1000	HRS	30	0
HIGH TEMP OP LIFE	1820	MAX2900ETI+	125°C	1000	HRS	80	0
HIGH TEMP OP LIFE	1820	MAX2771ETI+	125°C	1000	HRS	78	0
HIGH TEMP OP LIFE	1821	MAX2034CTM+	125°C	1000	HRS	80	0
HIGH TEMP OP LIFE	1821	MAX16984RATI/V+	125°C	1000	HRS	78	0
HIGH TEMP OP LIFE	1821	87-2850Q+000	125°C	192	HRS	80	0
HIGH TEMP OP LIFE	1821	MAX16984RATI/V+	125°C	1000	HRS	80	0
HIGH TEMP OP LIFE	1822	MAX15038ETG+	125°C	1000	HRS	48	0
HIGH TEMP OP LIFE	1822	MAX15038ETG+	125°C	1000	HRS	32	0
HIGH TEMP OP LIFE	1823	MAX14908ETK+	125°C	1000	HRS	80	0
HIGH TEMP OP LIFE	1824	MAX9291DGTN/V+	125°C	500	HRS	80	0
HIGH TEMP OP LIFE	1824	MAX20021ATIA/V+	125°C	1000	HRS	79	0
HIGH TEMP OP LIFE	1825	MAX96752FGTN/V+	125°C	192	HRS	80	0
HIGH TEMP OP LIFE	1827	MAX1358BETL+	125°C	1000	HRS	80	0
HIGH TEMP OP LIFE	1828	MAX9979KCTK+	125°C	192	HRS	80	0
HIGH TEMP OP LIFE	1831	MAX20480DATEB/V Y+	125°C	192	HRS	80	0
HIGH TEMP OP LIFE	1832	MAX3728ACTE+	125°C	1000	HRS	80	0
HIGH TEMP OP LIFE	1832	MAX4936CTN+	125°C	1000	HRS	80	0
HIGH TEMP OP LIFE	1833	MAX16047ETN+	125°C	1000	HRS	48	0
HIGH TEMP OP LIFE	1833	MAX16047ETN+	125°C	1000	HRS	32	0
HIGH TEMP OP LIFE	1835	MAX16984RATI/V+	125°C	1000	HRS	79	0
HIGH TEMP OP LIFE	1842	MAX9288GTM/V+	125°C	1000	HRS	79	0
HIGH TEMP OP LIFE	1842	MAX9288GTM/V+	125°C	1000	HRS	79	0
HIGH TEMP OP LIFE	1842	MAX9288GTM/V+	125°C	1000	HRS	79	0
HIGH TEMP OP LIFE	1842	MAX5487ETE+T	125°C	1000	HRS	80	0
HIGH TEMP OP LIFE	1843	MAX96754FGTN/V+	125°C	192	HRS	80	0

HIGH TEMP OP LIFE	1843	MAX96754FGTN/V+	125°C	192	HRS	80	0
HIGH TEMP OP LIFE	1843	MAX96753FGTN/V+	125°C	192	HRS	80	0
HIGH TEMP OP LIFE	1843	MAX2900ETI+	125°C	1000	HRS	80	0
HIGH TEMP OP LIFE	1843	MAX2900ETI+	125°C	1000	HRS	80	0
HIGH TEMP OP LIFE	1846	MAX2172ETL/V+	125°C	500	HRS	80	0
HIGH TEMP OP LIFE	1846	MAX2172ETL/V+	125°C	1000	HRS	80	0
HIGH TEMP OP LIFE	1847	MAX16826BATJ/V+	125°C	1000	HRS	80	0
HIGH TEMP OP LIFE	1848	MAX8556ETE+	125°C	1000	HRS	80	0
HIGH TEMP OP LIFE	1848	MAX2034CTM+	125°C	500	HRS	48	0
HIGH TEMP OP LIFE	1848	MAX2034CTM+	125°C	1000	HRS	32	0
HIGH TEMP OP LIFE	1848	87-32664+GA0	125°C	192	HRS	80	0
HIGH TEMP OP LIFE	1850	MAX9295DGTM/V+T	125°C	192	HRS	80	0
HIGH TEMP OP LIFE	1901	MAX16826ATJ+	125°C	500	HRS	46	0
HIGH TEMP OP LIFE	1901	MAX16826ATJ+	125°C	1000	HRS	31	0
HIGH TEMP OP LIFE	1903	DS4836GGTL+	125°C	192	HRS	80	0
HIGH TEMP OP LIFE	1907	MAX2136AETJ/V+	125°C	1000	HRS	48	0
HIGH TEMP OP LIFE	1907	MAX20003TPB/V+CP 7	125°C	1000	HRS	80	0
HIGH TEMP OP LIFE	1908	MAX16984RATI/V+	125°C	192	HRS	78	0
HIGH TEMP OP LIFE	1910	MAX96712GTB/V+	125°C	192	HRS	80	0
HIGH TEMP OP LIFE	1911	MAX14808ETK+	125°C	1000	HRS	80	0
HIGH TEMP OP LIFE	1912	MAX16076ATP/V+CN A	125°C	192	HRS	80	0
HIGH TEMP OP LIFE	1912	MAX96912EGTM/VY +	125°C	1000	HRS	78	0
Total:						0	0

PACKAGE TESTS

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
CONVECTION REFLOW		MAX3738ETG+	85 C/85% R.H.	3	PASS	100	0
CONVECTION REFLOW		MAX25105EQP/V+	260C +0/-5C	3	PASS	350	0
CONVECTION REFLOW		MAX25105EQP/V+	260C +0/-5C	3	PASS	350	0
CONVECTION REFLOW	1542	MAX16984SATI/VY+	260C +0/-5C	3	PASS	50	0
CONVECTION REFLOW	1803	MAX16936RATEA/V+ CU	85 C/85% R.H.	3	PASS	258	0
CONVECTION REFLOW	1804	MAX2058ETL+	85 C/85% R.H.	3	PASS	320	0
CONVECTION REFLOW	1820	MAX2771ETI+	85 C/85% R.H.	3	PASS	320	0
CONVECTION REFLOW	1821	MAX16047ETN+	30C, 60% R.H.	3	PASS	292	0
CONVECTION REFLOW	1821	MAX16984RATI/V+	85 C/85% R.H.	3	PASS	320	0
CONVECTION REFLOW	1822	MAX15038ETG+	260C +0/-5C	3	PASS	320	0
CONVECTION REFLOW	1823	MAX14908ETK+	85 C/85% R.H.	3	PASS	320	0

CONVECTION REFLOW	1827	MAX1358BETL+	30C, 60% R.H.	3	PASS	298	0
CONVECTION REFLOW	1828	MAX9979KCTK+	30C, 60% R.H.	3	PASS	320	0
CONVECTION REFLOW	1829	MAX16932ATIR/V+	85 C/85% R.H.	3	PASS	300	0
CONVECTION REFLOW	1829	MAX16932ATIR/V+	85 C/85% R.H.	3	PASS	300	0
CONVECTION REFLOW	1829	MAX16932ATIR/V+	85 C/85% R.H.	3	PASS	300	0
CONVECTION REFLOW	1829	MAX16932ATIR/V+	85 C/85% R.H.	3	PASS	300	0
CONVECTION REFLOW	1829	MAX16932ATIR/V+	85 C/85% R.H.	3	PASS	300	0
CONVECTION REFLOW	1829	MAX16932ATIR/V+	85 C/85% R.H.	3	PASS	300	0
CONVECTION REFLOW	1830	MAX20021ATIA/V+	85 C/85% R.H.	3	PASS	320	0
CONVECTION REFLOW	1832	MAX4936CTN+	125°C	3	PASS	320	0
CONVECTION REFLOW	1842	MAX9288GTM/V+	85 C/85% R.H.	3	PASS	350	0
CONVECTION REFLOW	1842	MAX9288GTM/V+	85 C/85% R.H.	3	PASS	350	0
CONVECTION REFLOW	1842	MAX9288GTM/V+	85 C/85% R.H.	3	PASS	350	0
CONVECTION REFLOW	1842	MAX5487ETE+T	85 C/85% R.H.	3	PASS	320	0
CONVECTION REFLOW	1846	MAX2172ETL/V+	85 C/85% R.H.	3	PASS	320	0
CONVECTION REFLOW	1847	MAX16826BATJ/V+	260C +/-5C	3	PASS	320	0
CONVECTION REFLOW	1848	MAX8556ETE+	85 C/85% R.H.	3	PASS	320	0
CONVECTION REFLOW	1901	MAX16826ATJ+	85 C/85% R.H.	3	PASS	317	0
CONVECTION REFLOW	1902	MAX11128ATI/V+	85 C/85% R.H.	3	PASS	350	0
CONVECTION REFLOW	1902	MAX11128ATI/V+	85 C/85% R.H.	3	PASS	350	0
CONVECTION REFLOW	1902	MAX2308ETI+	260C +/-5C	3	PASS	320	0
CONVECTION REFLOW	1907	MAX5550ETE+	260C +/-5C	3	PASS	274	0
CONVECTION REFLOW	1907	MAX2136AETJ/V+	260C +/-5C	3	PASS	310	0
CONVECTION REFLOW	1907	MAX20003TPB/V+CP 7	260C +/-5C	3	PASS	318	0
CONVECTION REFLOW	1908	MAX20021ATIA/V+	260C +/-5C	3	PASS	350	0
CONVECTION REFLOW	1908	MAX16984RATI/V+	260C +/-5C	3	PASS	350	0
BOND CRATER	1908	MAX16984RATI/V+				20	0
CONVECTION REFLOW	1910	MAX96706GTJ/V+T	260C +/-5C	3	PASS	320	0
CONVECTION REFLOW	1910	MAX96712GTB/V+	260C +/-5C	3	PASS	80	0
CONVECTION REFLOW	1912	MAX96912EGTM/VY +	260C +/-5C	3	PASS	328	0
CONVECTION REFLOW	1912	MAX96912EGTM/VY +	260C +/-5C	3	PASS	81	0
CONVECTION REFLOW	1912	MAX96912EGTM/VY +	260C +/-5C	3	PASS	296	0
CONVECTION REFLOW	1912	MAX96912EGTM/VY +	260C +/-5C	3	PASS	83	0
CONVECTION REFLOW	1912	MAX96912EGTM/VY +	260C +/-5C	3	PASS	346	0
CONVECTION REFLOW	1912	MAX96912EGTM/VY +	260C +/-5C	3	PASS	82	0

CONVECTION REFLOW	1915	MAX20021ATIA/V+	260C +0/-5C	3	PASS	350	0
CONVECTION REFLOW	1917	MAX20022ATIB/V+	260C +0/-5C	3	PASS	350	0
Total:						0	0

STORAGE LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
STORAGE LIFE		MAX20028ATJA/VY	150°C	1000 HRS	50	0	
STORAGE LIFE	1804	MAX1257BETM+	150°C	1000 HRS	80	0	
STORAGE LIFE	1804	MAX2058ETL+	150°C	1000 HRS	80	0	
STORAGE LIFE	1804	MAX2058ETL+	150°C	1000 HRS	80	0	
STORAGE LIFE	1806	MAX9814ETD+	150°C	1000 HRS	36	0	
STORAGE LIFE	1811	MAX16050ETI+	150°C	1000 HRS	80	0	
STORAGE LIFE	1817	MAX14988ETK+	150°C	1000 HRS	80	0	
STORAGE LIFE	1820	MAX2769BETI/V+	150°C	1000 HRS	80	0	
STORAGE LIFE	1820	MAX2900ETI+	150°C	1000 HRS	80	0	
STORAGE LIFE	1820	MAX16936RATEA/V+	150°C	1000 HRS	80	0	
STORAGE LIFE	1820	MAX2771ETI+	150°C	1000 HRS	80	0	
STORAGE LIFE	1821	MAX16047ETN+	150°C	1000 HRS	80	0	
STORAGE LIFE	1821	MAX16984RATI/V+	150°C	1000 HRS	80	0	
STORAGE LIFE	1822	MAX15038ETG+	150°C	1000 HRS	80	0	
STORAGE LIFE	1823	MAX14908ETK+	150°C	1000 HRS	80	0	
STORAGE LIFE	1824	MAX20021ATIA/V+	150°C	1000 HRS	80	0	
STORAGE LIFE	1827	MAX1358BETL+	150°C	1000 HRS	80	0	
STORAGE LIFE	1828	MAX9979KCTK+	150°C	1000 HRS	80	0	
STORAGE LIFE	1829	MAX16932ATIR/V+	150°C	1000 HRS	73	0	
STORAGE LIFE	1829	MAX16932ATIR/V+	150°C	1000 HRS	77	0	
STORAGE LIFE	1829	MAX16932ATIR/V+	150°C	1000 HRS	71	0	
STORAGE LIFE	1829	MAX16932ATIR/V+	150°C	1000 HRS	73	0	
STORAGE LIFE	1829	MAX16932ATIR/V+	150°C	1000 HRS	70	0	
STORAGE LIFE	1830	MAX20021ATIA/V+	150°C	1000 HRS	80	0	
STORAGE LIFE	1832	MAX3728ACTE+	150°C	1000 HRS	80	0	
STORAGE LIFE	1832	MAX4936CTN+	150°C	1000 HRS	80	0	
STORAGE LIFE	1833	MAX16047ETN+	150°C	1000 HRS	80	0	
STORAGE LIFE	1842	MAX5487ETE+T	150°C	1000 HRS	80	0	
STORAGE LIFE	1843	MAX16932ATIR/V+	150°C	2000 HRS	80	0	
STORAGE LIFE	1843	MAX16932ATIR/V+	150°C	2000 HRS	80	0	
STORAGE LIFE	1843	MAX2900ETI+	150°C	1000 HRS	80	0	
STORAGE LIFE	1845	MAX5090BATE+	150°C	1000 HRS	80	0	

STORAGE LIFE	1845	MAX1564ETE+	150°C	1000 HRS	80	0
STORAGE LIFE	1846	MAX2172ETL/V+	150°C	1000 HRS	80	0
STORAGE LIFE	1848	MAX2034CTM+	150°C	1000 HRS	80	0
STORAGE LIFE	1901	MAX16826ATJ+	150°C	1000 HRS	80	0
STORAGE LIFE	1902	MAX11128ATI/V+	150°C	1000 HRS	80	0
STORAGE LIFE	1902	MAX11128ATI/V+	150°C	1000 HRS	80	0
STORAGE LIFE	1902	MAX11128ATI/V+	150°C	1000 HRS	80	0
STORAGE LIFE	1902	MAX2308ETI+	150°C	1000	80	0
STORAGE LIFE	1907	MAX5550ETE+	150°C	500 HRS	80	0
STORAGE LIFE	1907	MAX2136AETJ/V+	150°C	1000 HRS	80	0
STORAGE LIFE	1907	MAX20003TPB/V+CP 7	150°C	1000 HRS	80	0
STORAGE LIFE	1910	MAX96706GTJ/V+T	150°C	1000 HRS	80	0
STORAGE LIFE	1911	MAX14808ETK+	150°C	1000 HRS	78	0
STORAGE LIFE	1912	MAX96912EGTM/VY +	150°C	1000 HRS	80	0
STORAGE LIFE	1912	MAX96912EGTM/VY +	150°C	1000 HRS	80	0
STORAGE LIFE	1912	MAX96912EGTM/VY +	150°C	1000 HRS	80	0
Total:					0	0

TEMPERATURE CYCLE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
TEMP CYCLE, 5' RAMP, 10' DWELL		MAX20028ATJA/VY	-65C TO +150C (Condition C)	1000 CYS	76	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1803	MAX16936RATEA/V+ CU	-65C TO +150C (Condition C)	1000 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1804	MAX2058ETL+	-65C TO +150C (Condition C)	1000 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1804	MAX2058ETL+	-65C TO +150C (Condition C)	1000 CYS	78	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1811	MAX16050ETI+	-65C TO +150C (Condition C)	1000 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1816	MAX16826ATJ+	-65C TO +150C (Condition C)	1000 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1817	MAX14988ETK+	-65C TO +150C (Condition C)	1000 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1820	MAX2900ETI+	-65C TO +150C (Condition C)	1000 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1820	MAX16936RATEA/V+	-65C TO +150C (Condition C)	1000 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1820	MAX2771ETI+	-65C TO +150C (Condition C)	1000 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1821	MAX2034CTM+	-65C TO +150C (Condition C)	1000 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1821	MAX16984RATI/V+	-65C TO +150C (Condition C)	1000 CYS	80	0	

TEMP CYCLE, 5' RAMP, 10' DWELL	1821	MAX16047ETN+	-65C TO +150C (Condition C)	1000 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1821	MAX16984RATI/V+	-65C TO +150C (Condition C)	1000 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1822	MAX15038ETG+	-65C TO +150C (Condition C)	1000 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1823	MAX14908ETK+	-65C TO +150C (Condition C)	1000 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1824	MAX20021ATIA/V+	-65C TO +150C (Condition C)	1000 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1827	MAX1358BETL+	-65C TO +150C (Condition C)	1000 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1829	MAX16932ATIR/V+	-65C TO +150C (Condition C)	1000 CYS	79	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1829	MAX16932ATIR/V+	-65C TO +150C (Condition C)	1000 CYS	79	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1829	MAX16932ATIR/V+	-65C TO +150C (Condition C)	1000 CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1830	MAX20021ATIA/V+	-65C TO +150C (Condition C)	1000 CYS	78	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1832	MAX3728ACTE+	-65C TO +150C (Condition C)	1000 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1832	MAX4936CTN+	-65C TO +150C (Condition C)	1000 CYS	78	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1833	MAX16047ETN+	-65C TO +150C (Condition C)	1000 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1842	MAX5487ETE+T	-65C TO +150C (Condition C)	1000 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1843	MAX2900ETI+	-65C TO +150C (Condition C)	1000 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1845	MAX5090BATE+	-65C TO +150C (Condition C)	1000 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1845	MAX1564ETE+	-65C TO +150C (Condition C)	1000 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1846	MAX2172ETL/V+	-65C TO +150C (Condition C)	1000 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1847	MAX16826BATJ/V+	-65C TO +150C (Condition C)	1000 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1848	MAX8556ETE+	-65C TO +150C (Condition C)	1000 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1848	MAX2034CTM+	-65C TO +150C (Condition C)	1000 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1901	MAX16826ATJ+	-65C TO +150C (Condition C)	1000 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1902	MAX11128ATI/V+	-65C TO +150C (Condition C)	1000 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1902	MAX11128ATI/V+	-65C TO +150C (Condition C)	1000 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1902	MAX11128ATI/V+	-65C TO +150C (Condition C)	1000 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1902	MAX2308ETI+	-65C TO +150C (Condition C)	1000 CYS	80	0

TEMP CYCLE, 5' RAMP, 10' DWELL	1907	MAX5550ETE+	-65C TO +150C (Condition C)	500	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1907	MAX2136AETJ/V+	-65C TO +150C (Condition C)	1000	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1907	MAX20003TPB/V+CP 7	-65C TO +150C (Condition C)	1000	CYS	79	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1910	MAX96706GTJ/V+T	-65C TO +150C (Condition C)	1000	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1911	MAX14808ETK+	-65C TO +150C (Condition C)	1000	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1912	MAX96912EGTM/VY +	-65C TO +150C (Condition C)	1000	CYS	90	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1912	MAX96912EGTM/VY +	-65C TO +150C (Condition C)	1000	CYS	90	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1912	MAX96912EGTM/VY +	-65C TO +150C (Condition C)	1000	CYS	90	0
Total:						0	0

TEMPERATURE HUMIDITY BIAS

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
BIASED MOISTURE		MAX8904ETN+GC5	130C, 85% R.H.	96	HRS	24	0
BIASED MOISTURE		MAX20028ATJA/VY	130C, 85% R.H.	96	HRS	83	0
BIASED MOISTURE		MAX20028ATJA/VY	130C, 85% R.H.	96	HRS	75	0
BIASED MOISTURE		MAX20028ATJA/VY	130C, 85% R.H.	96	HRS	75	0
BIASED MOISTURE	1803	MAX16936RATEA/V+ CU	130C, 85% R.H.	96	HRS	80	0
BIASED MOISTURE	1804	MAX2058ETL+	130C, 85% R.H.	96	HRS	80	0
BIASED MOISTURE	1805	MAX9288GTM/V+	130C, 85% R.H.	96	HRS	80	0
BIASED MOISTURE	1808	MAX8904ETN+GC5	130C, 85% R.H.	96	HRS	24	0
BIASED MOISTURE	1808	MAX8904ETN+GC5	130C, 85% R.H.	96	HRS	20	0
BIASED MOISTURE	1811	MAX16050ETI+	130C, 85% R.H.	96	HRS	80	0
BIASED MOISTURE	1816	MAX16826ATJ+	130C, 85% R.H.	96	HRS	80	0
BIASED MOISTURE	1821	MAX2034CTM+	130C, 85% R.H.	96	HRS	80	0
BIASED MOISTURE	1821	MAX16047ETN+	130C, 85% R.H.	96	HRS	78	0
BIASED MOISTURE	1823	MAX14908ETK+	130C, 85% R.H.	96	HRS	80	0
BIASED MOISTURE	1827	MAX1358BETL+	130C, 85% R.H.	96	HRS	80	0
BIASED MOISTURE	1828	MAX9979KCTK+	130C, 85% R.H.	96	HRS	80	0
BIASED MOISTURE	1829	MAX16932ATIR/V+	130C, 85% R.H.	96	HRS	59	0
BIASED MOISTURE	1829	MAX16932ATIR/V+	130C, 85% R.H.	96	HRS	58	0
BIASED MOISTURE	1829	MAX16932ATIR/V+	130C, 85% R.H.	96	HRS	58	0
BIASED MOISTURE	1830	MAX20021ATIA/V+	130C, 85% R.H.	96	HRS	76	0
BIASED MOISTURE	1832	MAX3728ACTE+	130C, 85% R.H.	96	HRS	80	0
BIASED MOISTURE	1832	MAX4936CTN+	130C, 85% R.H.	96	HRS	80	0
BIASED MOISTURE	1833	MAX16047ETN+	130C, 85% R.H.	96	HRS	38	0

BIASED MOISTURE	1842	MAX9288GTM/V+	130C, 85% R.H.	96	HRS	80	0
BIASED MOISTURE	1842	MAX9288GTM/V+	130C, 85% R.H.	96	HRS	80	0
BIASED MOISTURE	1842	MAX9288GTM/V+	130C, 85% R.H.	96	HRS	79	0
BIASED MOISTURE	1842	MAX5487ETE+T	130C, 85% R.H.	96	HRS	80	0
BIASED MOISTURE	1843	MAX5992BETG+	130C, 85% R.H.	96	HRS	17	0
BIASED MOISTURE	1843	MAX5992BETG+	130C, 85% R.H.	96	HRS	18	0
BIASED MOISTURE	1843	MAX5992BETG+	130C, 85% R.H.	96	HRS	18	0
BIASED MOISTURE	1843	MAX2900ETI+	130C, 85% R.H.	96	HRS	40	0
BIASED MOISTURE	1843	MAX2900ETI+	130C, 85% R.H.	96	HRS	39	0
BIASED MOISTURE	1845	MAX5090BATE+	130C, 85% R.H.	96	HRS	80	0
BIASED MOISTURE	1845	MAX1564ETE+	130C, 85% R.H.	96	HRS	79	0
BIASED MOISTURE	1846	MAX2172ETL/V+	130C, 85% R.H.	96	HRS	80	0
BIASED MOISTURE	1847	MAX16826BATJ/V+	130C, 85% R.H.	96	HRS	39	0
BIASED MOISTURE	1847	MAX16826BATJ/V+	130C, 85% R.H.	96	HRS	39	0
BIASED MOISTURE	1848	MAX8556ETE+	130C, 85% R.H.	96	HRS	80	0
BIASED MOISTURE	1848	MAX2034CTM+	130C, 85% R.H.	96	HRS	80	0
BIASED MOISTURE	1901	MAX16826ATJ+	130C, 85% R.H.	96	HRS	80	0
BIASED MOISTURE	1902	MAX11128ATI/V+	130C, 85% R.H.	96	HRS	80	0
BIASED MOISTURE	1902	MAX11128ATI/V+	130C, 85% R.H.	96	HRS	80	0
BIASED MOISTURE	1902	MAX2308ETI+	130C, 85% R.H.	96	HRS	80	0
BIASED MOISTURE	1907	MAX20003TPB/V+CP 7	130C, 85% R.H.	96	HRS	80	0
BIASED MOISTURE	1908	MAX20021ATIA/V+	130C, 85% R.H.	96	HRS	40	0
BIASED MOISTURE	1908	MAX16984RATI/V+	130C, 85% R.H.	96	HRS	24	0
BIASED MOISTURE	1911	MAX14808ETK+	130C, 85% R.H.	96	HRS	80	0
BIASED MOISTURE	1912	MAX96912EGTM/VY +	130C, 85% R.H.	96	HRS	80	0
BIASED MOISTURE	1912	MAX96912EGTM/VY +	130C, 85% R.H.	96	HRS	80	0
BIASED MOISTURE	1912	MAX96912EGTM/VY +	130C, 85% R.H.	96	HRS	80	0
Total:						0	0

UNBIASED MOISTURE RESISTANCE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
MOISTURE SOAK	1805	MAX9288GTM/V+	130C, 85% R.H.	96	HRS	80	0
MOISTURE SOAK	1820	MAX2771ETI+	130C, 85% R.H.	96	HRS	80	0
MOISTURE SOAK	1821	MAX16984RATI/V+	130C, 85% R.H.	96	HRS	80	0
MOISTURE SOAK	1824	MAX20021ATIA/V+	130C, 85% R.H.	96	HRS	80	0
MOISTURE SOAK	1842	MAX9288GTM/V+	130C, 85% R.H.	96	HRS	80	0
MOISTURE SOAK	1842	MAX9288GTM/V+	130C, 85% R.H.	96	HRS	80	0

MOISTURE SOAK	1842	MAX9288GTM/V+	130C, 85% R.H.	96	HRS	80	0
MOISTURE SOAK	1842	MAX5487ETE+T	130C, 85% R.H.	96	HRS	80	0
MOISTURE SOAK	1846	MAX2172ETL/V+	130C, 85% R.H.	96	HRS	80	0
MOISTURE SOAK	1901	MAX16826ATJ+	130C, 85% R.H.	96	HRS	80	0
MOISTURE SOAK	1902	MAX11128ATI/V+	130C, 85% R.H.	96	HRS	80	0
MOISTURE SOAK	1902	MAX11128ATI/V+	130C, 85% R.H.	96	HRS	80	0
MOISTURE SOAK	1902	MAX11128ATI/V+	130C, 85% R.H.	96	HRS	80	0
MOISTURE SOAK	1907	MAX5550ETE+	130C, 85% R.H.	500	HRS	80	0
MOISTURE SOAK	1907	MAX2136AETJ/V+	130C, 85% R.H.	96	HRS	80	0
MOISTURE SOAK	1910	MAX96706GTJ/V+T	130C, 85% R.H.	96	HRS	80	0
MOISTURE SOAK	1912	MAX96912EGTM/VY +	130C, 85% R.H.	96	HRS	80	0
MOISTURE SOAK	1912	MAX96912EGTM/VY +	130C, 85% R.H.	96	HRS	79	0
MOISTURE SOAK	1912	MAX96912EGTM/VY +	130C, 85% R.H.	96	HRS	80	0
Total:						0	

Assembly Information:

Package Type: TQFN-CU (Pb-Free)

Date Code Range: 1739 to 1913

OPERATING LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
HIGH TEMP OP LIFE		MAX17662AATE+	125°C	192	HRS	95	0
HIGH TEMP OP LIFE	1739	MAX20030BATMA/V +	125°C	1000	HRS	50	0
HIGH TEMP OP LIFE	1740	MAX15069ATP+	125°C	192	HRS	80	0
HIGH TEMP OP LIFE	1743	MAX20003DATPB/V Y+	125°C	1400	HRS	10	0
HIGH TEMP OP LIFE	1747	MAX3523ETP+	125°C	500	HRS	79	0
HIGH TEMP OP LIFE	1802	MAX20003DATPB/V Y+	125°C	192	HRS	18	0
HIGH TEMP OP LIFE	1808	MAX22195ATJ+	125°C	192	HRS	80	0
HIGH TEMP OP LIFE	1812	87-32660+G00	125°C	1000	HRS	77	0
HIGH TEMP OP LIFE	1814	MAX20444ATG/V+	125°C	192	HRS	80	0
HIGH TEMP OP LIFE	1816	MAX20084ATEA/VY+	125°C	192	HRS	80	0
HIGH TEMP OP LIFE	1817	MAX20069GTL/V+	125°C	192	HRS	80	0
HIGH TEMP OP LIFE	1820	MAX20412ATJA/V+	125°C	192	HRS	79	0
HIGH TEMP OP LIFE	1834	MAX20069GTL/V+	125°C	1000	HRS	80	0
HIGH TEMP OP LIFE	1834	MAX20069GTL/V+	125°C	1000	HRS	80	0
HIGH TEMP OP LIFE	1835	MAX20418ATGB/V+	125°C	312	HRS	225	0
HIGH TEMP OP LIFE	1835	MAX20418ATGB/V+	125°C	240	HRS	236	0

HIGH TEMP OP LIFE	1837	MAX20046GTC/V+ 125°C		1000	HRS	80	0
HIGH TEMP OP LIFE	1840	MAX20040BATPA/VY 125°C +		1000	HRS	43	0
HIGH TEMP OP LIFE	1840	MAX20040BATPA/VY 125°C +		1000	HRS	36	0
HIGH TEMP OP LIFE	1842	MAX20026SATIE/V+ 125°C		192	HRS	80	0
HIGH TEMP OP LIFE	1849	MAX20002ATPB/V+ 125°C		1000	HRS	80	0
HIGH TEMP OP LIFE	1850	MAX20428ATIA/VY+ 125°C		1000	HRS	78	0
HIGH TEMP OP LIFE	1851	MAX20030BATMK/V 125°C +		192	HRS	80	0
HIGH TEMP OP LIFE	1851	MAX20030BATMK/V 125°C +		192	HRS	78	0
HIGH TEMP OP LIFE	1908	MAX20040BATPA/VY 125°C +		1000	HRS	80	0
HIGH TEMP OP LIFE	1909	MAX16610 125°C		192	HRS	48	0
HIGH TEMP OP LIFE	1909	MAX16610 125°C		382	HRS	45	0
HIGH TEMP OP LIFE	1909	MAX16610 125°C		382	HRS	45	0
HIGH TEMP OP LIFE	1909	MAX16610 125°C		383	HRS	45	0
HIGH TEMP OP LIFE	1911	MAX17662AATE+ 125°C		192	HRS	95	0
HIGH TEMP OP LIFE	1911	MAX17662AATE+ 125°C		192	HRS	96	0
HIGH TEMP OP LIFE	1911	MAX17662AATE+ 125°C		192	HRS	80	0
HIGH TEMP OP LIFE	1912	MAX20428ATIA/VY+ 125°C		192	HRS	80	0
Total:						0	0

PACKAGE TESTS

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
CONVECTION REFLOW		MAX17662AATE+	260C +0/-5C	3	PASS	500	0
CONVECTION REFLOW	1802	MAX20003DATPB/V Y+	260C +0/-5C	3	PASS	18	0
CSAM	1810	MAX20049ATEA/VY+				22	0
CSAM	1810	MAX20049ATEA/VY+				22	0
CSAM	1811	MAX20049ATEA/VY+				22	0
CSAM	1811	MAX20049ATEA/VY+				22	0
CSAM	1811	MAX20049ATEA/VY+				22	0
CONVECTION REFLOW	1812	87-32660+G00	260C +0/-5C	3	PASS	350	0
CSAM	1812	MAX20049ATEA/VY+				22	0
CSAM	1812	MAX20049ATEA/VY+				22	0
CONVECTION REFLOW	1813	87-32660+G00	260C +0/-5C	3	PASS	350	0
CONVECTION REFLOW	1813	87-32660+G00	260C +0/-5C	3	PASS	350	0
CSAM	1832	MAX20049ATEB/VY+				22	0
CSAM	1832	MAX20049ATEB/VY+				22	0
CSAM	1850	MAX20428ATIA/VY+				22	0

CSAM	1850	MAX20428ATIA/VY+				22	0
CSAM	1850	MAX20428ATIA/VY+				22	0
CSAM	1851	MAX20030BATMK/V +				25	0
CONVECTION REFLOW	1851	MAX20030BATMK/V	260C +/-5C	3	PASS	484	0
		+					
CSAM	1851	MAX20030BATMK/V +				25	0
CONVECTION REFLOW	1851	MAX20030BATMK/V	260C +/-5C	3	PASS	468	0
		+					
CSAM	1851	MAX20030BATMK/V +				25	0
CONVECTION REFLOW	1851	MAX20030BATMK/V	260C +/-5C	3	PASS	500	0
		+					
CONVECTION REFLOW	1909	MAX16610	260C +/-5C	3	PASS	400	0
CONVECTION REFLOW	1909	MAX16610	260C +/-5C	3	PASS	400	0
CONVECTION REFLOW	1909	MAX16610	260C +/-5C	3	PASS	399	0
CONVECTION REFLOW	1910	MAX20098ATEG/VY+	260C +/-5C	3	PASS	70	0
CONVECTION REFLOW	1911	MAX17662AATE+	260C +/-5C	3	PASS	499	0
CONVECTION REFLOW	1911	MAX17662AATE+	260C +/-5C	3	PASS	499	0
Total:							0

STORAGE LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
STORAGE LIFE	1743	MAX20003DATPB/V Y+	150°C	1000 HRS	29	0	
STORAGE LIFE	1849	MAX20002ATPB/V+	150°C	1000 HRS	80	0	
STORAGE LIFE	1850	MAX20428ATIA/VY+	150°C	2000 HRS	77	0	
STORAGE LIFE	1909	MAX16610	150°C	1000 HRS	80	0	
STORAGE LIFE	1909	MAX16610	150°C	1000 HRS	80	0	
STORAGE LIFE	1909	MAX16610	150°C	1000 HRS	80	0	
STORAGE LIFE	1911	MAX17662AATE+	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	1843	MAX17662AATE+	-65C TO +150C (Condition C)	1000 CYS	79	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1843	MAX20084ATEA/VY+	-65C TO +150C (Condition C)	1000 CYS	90	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1848	MAX20084ATEA/VY+	-65C TO +150C (Condition C)	1000 CYS	90	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1848	MAX20084ATEA/VY+	-65C TO +150C (Condition C)	1000 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1848	MAX20084ATEA/VY+	-65C TO +150C (Condition C)	1000 CYS	90	0	

TEMP CYCLE, 5' RAMP, 10' DWELL	1849	MAX20002ATPB/V+	-65C TO +150C (Condition C)	1000	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1849	MAX20084ATEA/VY+	-65C TO +150C (Condition C)	1000	CYS	90	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1849	MAX20084ATEA/VY+	-65C TO +150C (Condition C)	1000	CYS	90	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1850	MAX20428ATIA/VY+	-65C TO +150C (Condition C)	1000	CYS	22	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1850	MAX20428ATIA/VY+	-65C TO +150C (Condition C)	1000	CYS	76	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1850	MAX20428ATIA/VY+	-65C TO +150C (Condition C)	1000	CYS	22	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1850	MAX20428ATIA/VY+	-65C TO +150C (Condition C)	1000	CYS	79	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1909	MAX16610	-65C TO +150C (Condition C)	1000	CYS	100	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1911	MAX17662AATE+	-65C TO +150C (Condition C)	1000	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1911	MAX17662AATE+	-65C TO +150C (Condition C)	500	CYS	80	0
Total:						0	0

TEMPERATURE HUMIDITY BIAS

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
BIASED MOISTURE		MAX17662AATE+	130C, 85% R.H.	96	HRS	78	0
BIASED MOISTURE	1810	MAX20049ATEA/VY+	130C, 85% R.H.	192	HRS	68	0
BIASED MOISTURE	1811	MAX20049ATEA/VY+	130C, 85% R.H.	192	HRS	72	0
BIASED MOISTURE	1812	MAX20049ATEA/VY+	130C, 85% R.H.	96	HRS	77	0
BIASED MOISTURE	1832	MAX20049ATEB/VY+	130C, 85% R.H.	192	HRS	78	0
BIASED MOISTURE	1832	MAX20049ATEB/VY+	130C, 85% R.H.	192	HRS	33	0
BIASED MOISTURE	1832	MAX20049ATEB/VY+	130C, 85% R.H.	192	HRS	78	0
BIASED MOISTURE	1843	MAX20084ATEA/VY+	130C, 85% R.H.	96	HRS	40	0
BIASED MOISTURE	1843	MAX20084ATEA/VY+	130C, 85% R.H.	96	HRS	36	0
BIASED MOISTURE	1848	MAX20084ATEA/VY+	130C, 85% R.H.	96	HRS	39	0
BIASED MOISTURE	1848	MAX20084ATEA/VY+	130C, 85% R.H.	96	HRS	40	0
BIASED MOISTURE	1848	MAX20084ATEA/VY+	130C, 85% R.H.	96	HRS	40	0
BIASED MOISTURE	1849	MAX20084ATEA/VY+	130C, 85% R.H.	96	HRS	40	0
BIASED MOISTURE	1849	MAX20084ATEA/VY+	130C, 85% R.H.	96	HRS	40	0
BIASED MOISTURE	1849	MAX20084ATEA/VY+	130C, 85% R.H.	96	HRS	40	0
BIASED MOISTURE	1850	MAX20428ATIA/VY+	130C, 85% R.H.	96	HRS	22	0
BIASED MOISTURE	1850	MAX20428ATIA/VY+	130C, 85% R.H.	192	HRS	70	0
BIASED MOISTURE	1850	MAX20428ATIA/VY+	130C, 85% R.H.	96	HRS	22	0
BIASED MOISTURE	1850	MAX20428ATIA/VY+	130C, 85% R.H.	200	HRS	22	0
BIASED MOISTURE	1850	MAX20428ATIA/VY+	130C, 85% R.H.	192	HRS	70	0
BIASED MOISTURE	1850	MAX20428ATIA/VY+	130C, 85% R.H.	96	HRS	22	0

BIASED MOISTURE	1850	MAX20428ATIA/VY+	130C, 85% R.H.	200	HRS	22	0
BIASED MOISTURE	1850	MAX20428ATIA/VY+	130C, 85% R.H.	192	HRS	70	0
BIASED MOISTURE	1851	MAX20030BATMK/V +	130C, 85% R.H.	96	HRS	34	0
BIASED MOISTURE	1851	MAX20030BATMK/V +	130C, 85% R.H.	96	HRS	40	0
BIASED MOISTURE	1851	MAX20030BATMK/V +	130C, 85% R.H.	96	HRS	80	0
BIASED MOISTURE	1851	MAX20030BATMK/V +	130C, 85% R.H.	96	HRS	80	0
BIASED MOISTURE	1909	MAX16610	130C, 85% R.H.	96	HRS	80	0
BIASED MOISTURE	1909	MAX16610	130C, 85% R.H.	96	HRS	80	0
BIASED MOISTURE	1909	MAX16610	130C, 85% R.H.	96	HRS	80	0
BIASED MOISTURE	1911	MAX17662AATE+	130C, 85% R.H.	96	HRS	79	0
BIASED MOISTURE	1911	MAX17662AATE+	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		MAX17662AATE+	130C, 85% R.H.	96	HRS	80	0
MOISTURE SOAK	1851	MAX20030BATMK/V +	130C, 85% R.H.	96	HRS	80	0
MOISTURE SOAK	1851	MAX20030BATMK/V +	130C, 85% R.H.	96	HRS	80	0
MOISTURE SOAK	1851	MAX20030BATMK/V +	130C, 85% R.H.	96	HRS	80	0
MOISTURE SOAK	1909	MAX16610	130C, 85% R.H.	96	HRS	80	0
MOISTURE SOAK	1909	MAX16610	130C, 85% R.H.	96	HRS	80	0
MOISTURE SOAK	1909	MAX16610	130C, 85% R.H.	96	HRS	80	0
MOISTURE SOAK	1911	MAX17662AATE+	130C, 85% R.H.	96	HRS	80	0
MOISTURE SOAK	1911	MAX17662AATE+	130C, 85% R.H.	96	HRS	80	0
MOISTURE SOAK	1913	MAX20038ATIC/VY+	130C, 85% R.H.	96	HRS	24	0
Total:							0

FAILURE RATE: MTTF (YRS): ##### FITS: 0.1

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