



10/8/2010

**RELIABILITY MONITOR REPORT
FOR**

QFN Package

MAXIM Integrated Products

**120 San Gabriel Dr.
Sunnyvale, CA 94086**

**This Report was prepared by
Maxim 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		
ASAT-DongGuan (C	40	TQFN (Pb-Free)	ASAT-DongGuan (C	12 TQFN (Pb-Free)
ASAT-DongGuan (C	16	TQFN (Pb-Free)	ASAT-DongGuan (C	20 TQFN (Pb-Free)
ASAT-DongGuan (C	24	TQFN (Pb-Free)	ASAT-DongGuan (C	32 TQFN (Pb-Free)
ASAT-DongGuan (C	40	TQFN (Pb-Free)	ASAT-DongGuan (C	44 TQFN (Pb-Free)
ASAT-DongGuan (C	56	TQFN (Pb-Free)	ASE Chung-Li	12 TQFN (Pb-Free)
ASE Chung-Li	48	TQFN (Pb-Free)	ASE Chung-Li	68 TQFN (Pb-Free)
Carsem-S	23	QFN (Pb-Free)	Hana AYUTHAYA	8 TDFN
Hana AYUTHAYA	20	TQFN (Pb-Free)	Hana AYUTHAYA	36 TQFN (Pb-Free)
Hana AYUTHAYA	40	TQFN (Pb-Free)	Hana AYUTHAYA	48 TQFN (Pb-Free)
Hana AYUTHAYA	6	uDFN (Pb-Free)	ISPL (ATEC, PI)	8 TDFN
UDG (formerly ASA	16	TQFN (Pb-Free)	UTACDG	8 TDFN
UTACDG	24	TQFN (Pb-Free)	UTACDG	32 TQFN (Pb-Free)
UTACDG	48	TQFN (Pb-Free)	UTL (NSEB) UTAC	8 TDFN
UTL (NSEB) UTAC	10	TDFN	UTL (NSEB) UTAC	14 TDFN
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	28	TQFN (Pb-Free)	UTL (NSEB) UTAC	36 TQFN (Pb-Free)
UTL (NSEB) UTAC	38	TQFN (Pb-Free)	UTL (NSEB) UTAC	40 TQFN (Pb-Free)
UTL (NSEB) UTAC	42	TQFN (Pb-Free)	UTL (NSEB) UTAC	44 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	8 uDFN (Pb-Free)

The calculated failure rate for this assembly is:

FAILURE RATE: MTTF (YRS): 570776 FITS: 0.2

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 10/1/2009 and 9/30/2010.

Assembly Information:

Package Type: QFN (Pb-Free)
 Date Code Range: 1009 to 1009

STORAGE LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
STORAGE LIFE	1009	MAX17492EGD+	150C	1000 HRS	77	0	
STORAGE LIFE	1009	MAX17492EGD+	150C	1000 HRS	76	0	
STORAGE LIFE	1009	MAX17492EGD+	150C	1000 HRS	77	0	
Total:						0	

TEMPERATURE CYCLE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
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TEMP CYCLE, 5' RAMP, 10' DWELL	1009	MAX17492EGD+	-65C TO 150C	500	CYS	77	0
						Total:	0

Assembly Information:

Package Type: TDFN
 Date Code Range: 0749 to 1025

OPERATING LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
HIGH TEMP OP LIFE	0937	MAX9830AETA+T	135C	1000 HRS	80	0	
HIGH TEMP OP LIFE	0938	MAX9830AETA+T	135C	1000 HRS	80	0	
HIGH TEMP OP LIFE	0939	MAX9830AETA+T	135C	1000 HRS	80	0	
HIGH TEMP OP LIFE	0940	MAX14550AEETB+	135C	281 HRS	48	0	
HIGH TEMP OP LIFE	0941	MAX14545ETA+	135C	281 HRS	50	0	
HIGH TEMP OP LIFE	0943	MAX31190	125C, 3.6 VOLTS	192 HRS	45	0	
HIGH TEMP OP LIFE	1003	MAX17042	125C, 5.5 VOLTS	192 HRS	45	0	
HIGH TEMP OP LIFE	1003	MAX31C80	125C, 3.6 VOLTS	192 HRS	45	0	
HIGH TEMP OP LIFE	1004	MAX9830AETA+T	135C	1000 HRS	80	0	
HIGH TEMP OP LIFE	1010	MAX9830AETA+T	135C	1000 HRS	80	0	
HIGH TEMP OP LIFE	1017	MAX9633ATA+T	135C	500 HRS	80		
HIGH TEMP OP LIFE	1017	MAX9633ATA+T	135C	1000 HRS	78	0	
HIGH TEMP OP LIFE	1020	MAX9633ATA+T	135C	1000 HRS	78	0	
HIGH TEMP OP LIFE	1020	MAX9830AETA+	135C	1000 HRS	80	0	
HIGH TEMP OP LIFE	1021	MAX9633ATA+T	135C	1000 HRS	79	0	
HIGH TEMP OP LIFE	1025	MAX9830AETA+	135C	1000 HRS	80	0	
						Total:	0

STORAGE LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
STORAGE LIFE	1004	MAX9830AETA+T	150C	1000 HRS	80	0	
STORAGE LIFE	1010	MAX9830AETA+T	150C	1000 HRS	80	0	
STORAGE LIFE	1017	MAX9633ATA+T	150C	1000 HRS	77	0	
STORAGE LIFE	1020	MAX9633ATA+T	150C	1000 HRS	75	0	
STORAGE LIFE	1020	MAX9830AETA+	150C	1000 HRS	80	0	
STORAGE LIFE	1021	MAX9633ATA+T	150C	1000 HRS	66	0	
STORAGE LIFE	1021	MAX9633ATA+	150C	1000 HRS	80	0	
STORAGE LIFE	1025	MAX9830AETA+	150C	1000 HRS	80	0	
						Total:	0

TEMPERATURE CYCLE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
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TEMP CYCLE, 5' RAMP, 10' DWELL	0749	MAX6628MTA+	-65C TO 150C	1000	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	0850	MAX6902ETA+T	-65C TO 150C	1000	CYS	78	0
TEMP CYCLE, 5' RAMP, 10' DWELL	0937	MAX9830AETA+T	-65C TO 150C	500	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	0938	MAX9830AETA+T	-65C TO 150C	500	CYS	350	0
TEMP CYCLE, 5' RAMP, 10' DWELL	0939	MAX9830AETA+T	-65C TO 150C	500	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	0939	MAX8922LETB+T	-65C TO 150C	1000	CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	0945	MAX8922LETB+T	-65C TO 150C	1000	CYS	75	0
TEMP CYCLE, 5' RAMP, 10' DWELL	0945	MAX8922LETB+T	-65C TO 150C	1000	CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1004	MAX9830AETA+T	-65C TO 150C	500	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1010	MAX9830AETA+T	-65C TO 150C	500	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1017	MAX9633ATA+T	-65C TO 150C	200	CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1017	MAX9633ATA+T	-65C TO 150C	1000	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1020	MAX9633ATA+T	-65C TO 150C	1000	CYS	75	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1020	MAX9633ATA+T	-65C TO 150C	500	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1020	MAX9633ATA+T	-65C TO 150C	500	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1020	MAX9830AETA+	-65C TO 150C	500	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1021	MAX9633ATA+T	-65C TO 150C	1000	CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1025	MAX9830AETA+	-65C TO 150C	1000	CYS	80	0
Total:						0	0

Assembly Information:

Package Type: TQFN (Pb-Free)
Date Code Range: 0817 to 1031

OPERATING LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
HIGH TEMP OP LIFE	0817	MAX11046ETN+	135C	211 HRS	50	0	
HIGH TEMP OP LIFE	0823	MAX3540CUPETM+	135C	1500 HRS	80	0	
HIGH TEMP OP LIFE	0842	MAX2140ETH+	135C	192 HRS	143	0	
HIGH TEMP OP LIFE	0846	MAX5134AETE+	135C	1000 HRS	45	0	
HIGH TEMP OP LIFE	0846	MAX5134AETE+	135C	1000 HRS	45	0	
HIGH TEMP OP LIFE	0848	MAX14502AETL+	135C	192 HRS	25	0	

HIGH TEMP OP LIFE	0912	MAX3806GTC+	135C	240	HRS	50	0
HIGH TEMP OP LIFE	0916	MAX3600CTL+	135C	1000	HRS	23	0
HIGH TEMP OP LIFE	0917	MAX17020ETJ+	135C	1000	HRS	32	0
HIGH TEMP OP LIFE	0917	MAX17020ETJ+	135C	1000	HRS	48	0
HIGH TEMP OP LIFE	0919	MAX3799ETJ+	135C	192	HRS	48	0
HIGH TEMP OP LIFE	0921	MAX17017GTM+	135C	1000	HRS	75	0
HIGH TEMP OP LIFE	0924	MAX17017GTM+	135C	1000	HRS	75	0
HIGH TEMP OP LIFE	0924	MAX17017GTM+	135C	1000	HRS	76	0
HIGH TEMP OP LIFE	0925	MAX4951AECTP+	135C	192	HRS	50	0
HIGH TEMP OP LIFE	0927	MAX3639ETM+	135C	192	HRS	48	0
HIGH TEMP OP LIFE	0927	MAX3639ETM+	135C	192	HRS	48	0
HIGH TEMP OP LIFE	0929	MAX97200AETE+	135C	192	HRS	48	0
HIGH TEMP OP LIFE	0929	MAX17079GTL+	135C	1000	HRS	48	0
HIGH TEMP OP LIFE	0929	MAX17079GTL+	135C	500	HRS	48	0
HIGH TEMP OP LIFE	0929	MAX17079GTL+	135C	1000	HRS	48	0
HIGH TEMP OP LIFE	0931	MAX2135ETN/V+	135C	192	HRS	48	0
HIGH TEMP OP LIFE	0932	MAXQ314	125C, 3.6 VOLTS	192	HRS	45	0
HIGH TEMP OP LIFE	0932	MAX1781ETM+	135C	1000	HRS	45	0
HIGH TEMP OP LIFE	0932	MAX1781ETM+	135C	500	HRS	45	0
HIGH TEMP OP LIFE	0934	MAX3543CTL+	135C	192	HRS	48	0
HIGH TEMP OP LIFE	0934	MAX3661ETE+	135C	192	HRS	48	0
HIGH TEMP OP LIFE	0936	MAX3987ETM+	135C	192	HRS	48	0
HIGH TEMP OP LIFE	0936	MAX17088ETX+	135C	1000	HRS	80	0
HIGH TEMP OP LIFE	0938	MAX14560ETE+	135C	215	HRS	50	0
HIGH TEMP OP LIFE	0938	MAX16922ATPF/V+	135C	700	HRS	80	0
HIGH TEMP OP LIFE	0939	MAX9776ETJ+	135C	138	HRS	80	0
HIGH TEMP OP LIFE	0940	MAX3945ETE+	135C	192	HRS	48	0
HIGH TEMP OP LIFE	0940	MAX3738BETG+	135C	1000	HRS	77	0
HIGH TEMP OP LIFE	0940	MAX3738BETG+	135C	1000	HRS	54	0
HIGH TEMP OP LIFE	0940	MAX3738BETG+	135C	1000	HRS	77	0
HIGH TEMP OP LIFE	0941	MAX8791BGTA+	135C	192	HRS	50	0
HIGH TEMP OP LIFE	0942	MAX4936CTN+	135C	1000	HRS	77	0
HIGH TEMP OP LIFE	0945	MAX4695ETC+	135C	1000	HRS	45	0
HIGH TEMP OP LIFE	0945	MAX4695ETC+	135C	500	HRS	45	0
HIGH TEMP OP LIFE	0945	MAX4695ETC+	135C	1000	HRS	45	0
HIGH TEMP OP LIFE	0946	DS1876	125C, 4.2 VOLTS	192	HRS	77	0
HIGH TEMP OP LIFE	0946	MAX4936CTN+	135C	1000	HRS	77	0
HIGH TEMP OP LIFE	0946	MAX1781ETM+	135C	1000	HRS	48	0

HIGH TEMP OP LIFE	0946	MAX1781ETM+	135C	1000	HRS	45	0
HIGH TEMP OP LIFE	0946	MAX1781ETM+	135C	1000	HRS	48	0
HIGH TEMP OP LIFE	0949	MAX2851ITK+	135C	192	HRS	48	0
HIGH TEMP OP LIFE	0951	DS1877	125C, 4.2 VOLTS	192	HRS	77	0
HIGH TEMP OP LIFE	0951	MAXQ61C	125C, 3.6 VOLTS	192	HRS	45	0
HIGH TEMP OP LIFE	0952	MAX3600CTL+	135C	1000	HRS	64	
HIGH TEMP OP LIFE	1001	MAX19710ETN+	135C	138	HRS	26	0
HIGH TEMP OP LIFE	1002	MAX2842ETN+	135C	192	HRS	46	0
HIGH TEMP OP LIFE	1003	MAX17491GTA+T	135C	548	HRS	80	0
HIGH TEMP OP LIFE	1006	MAXQ1004	125C, 3.6V (PSA) & 5.0V (PSB)	192	HRS	45	0
HIGH TEMP OP LIFE	1012	MAX9832ETG+	135C	1000	HRS	79	0
HIGH TEMP OP LIFE	1013	MAX17491GTA+T	135C	1000	HRS	79	0
HIGH TEMP OP LIFE	1013	MAX8798ETX+	135C	1000	HRS	45	0
HIGH TEMP OP LIFE	1013	MAX8798ETX+	135C	1000	HRS	45	0
HIGH TEMP OP LIFE	1013	MAX8798ETX+	135C	1000	HRS	45	0
HIGH TEMP OP LIFE	1014	MAXEXP6ETE+	135C	1000	HRS	80	0
HIGH TEMP OP LIFE	1014	MAXEXP6ETE+	135C	1000	HRS	80	0
HIGH TEMP OP LIFE	1015	MAX17491GTA+	135C	500	HRS	78	0
HIGH TEMP OP LIFE	1016	MAX2842ETN+	135C	192	HRS	46	0
HIGH TEMP OP LIFE	1017	MAX9832ETG+	135C	1000	HRS	78	0
HIGH TEMP OP LIFE	1017	MAXEXP6ETE+	135C	1000	HRS	80	0
HIGH TEMP OP LIFE	1018	MAX9832ETG+	135C	1000	HRS	80	0
HIGH TEMP OP LIFE	1019	MAX2821ETM+	135C	1000	HRS	45	
HIGH TEMP OP LIFE	1020	MAX2832ETM+	135C	192	HRS	48	0
HIGH TEMP OP LIFE	1021	MAX9832ETG+	135C	1000	HRS	80	0
HIGH TEMP OP LIFE	1021	MAX2388ETC+	135C	500	HRS	45	0
HIGH TEMP OP LIFE	1021	MAX2388ETC+	135C	500	HRS	45	0
HIGH TEMP OP LIFE	1022	MAX9832ETG+	135C	1000	HRS	79	0
HIGH TEMP OP LIFE	1022	MAX3802UTK+	135C	500	HRS	45	0
HIGH TEMP OP LIFE	1024	MAXQ1010	125C, 5.5V (PS1) & 3.6V (PS2)	192	HRS	45	0
HIGH TEMP OP LIFE	1027	MAX2116UTL+	135C	500	HRS	80	0
Total:						0	0

PACKAGE TESTS

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
BOND CRATER	1028	MAX2831ETM+	AQUA REGIA		227	0	
Total:						0	0

STORAGE LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
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STORAGE LIFE	0904	MAX17410GTM+	150C	1000	HRS	79	0
STORAGE LIFE	0904	MAX17410GTM+	150C	1000	HRS	80	0
STORAGE LIFE	0914	MAX3600CTL+	150C	1000	HRS	80	0
STORAGE LIFE	0916	MAX3600CTL+	150C	1000	HRS	80	0
STORAGE LIFE	0916	MAX3600CTL+	150C	1000	HRS	80	0
STORAGE LIFE	0921	MAX17017GTM+	150C	500	HRS	80	0
STORAGE LIFE	0924	MAX17017GTM+	150C	1000	HRS	80	0
STORAGE LIFE	0924	MAX17017GTM+	150C	1000	HRS	80	0
STORAGE LIFE	0930	MAX16804ATP+	150C	500	HRS	48	0
STORAGE LIFE	0932	MAX1781ETM+	150C	1000	HRS	77	0
STORAGE LIFE	0932	MAX1781ETM+	150C	1000	HRS	76	
STORAGE LIFE	0934	MAX5489ETE+	150C	500	HRS	80	0
STORAGE LIFE	0936	MAX17088ETX+	150C	1000	HRS	80	0
STORAGE LIFE	0937	MAX1781ETM+	150C	1000	HRS	77	0
STORAGE LIFE	0937	MAX1781ETM+	150C	1000	HRS	77	0
STORAGE LIFE	0937	MAX1781ETM+	150C	1000	HRS	77	0
STORAGE LIFE	0940	MAX3738BETG+	150C	1000	HRS	80	0
STORAGE LIFE	0940	MAX3738BETG+	150C	1000	HRS	80	0
STORAGE LIFE	0940	MAX3738BETG+	150C	1000	HRS	80	0
STORAGE LIFE	0942	MAX4936CTN+	150C	1000	HRS	80	0
STORAGE LIFE	0943	MAX14998ETO+	150C	1000	HRS	77	0
STORAGE LIFE	0943	MAX14998ETO+	150C	1000	HRS	77	0
STORAGE LIFE	0943	MAX14998ETO+	150C	1000	HRS	77	0
STORAGE LIFE	0945	MAX4695ETC+	150C	1000	HRS	77	0
STORAGE LIFE	0945	MAX4695ETC+	150C	1000	HRS	77	0
STORAGE LIFE	0945	MAX4695ETC+	150C	1000	HRS	77	0
STORAGE LIFE	0946	MAX4936CTN+	150C	1000	HRS	80	0
STORAGE LIFE	0946	MAX1781ETM+	150C	1000	HRS	79	0
STORAGE LIFE	0946	MAX1781ETM	150C	1000	HRS	80	
STORAGE LIFE	0946	MAX4936CTN+	150C	500	HRS	77	0
STORAGE LIFE	0946	MAX4936CTN+	150C	1000	HRS	77	0
STORAGE LIFE	0946	MAX4936CTN+	150C	1000	HRS	77	0
STORAGE LIFE	0946	MAX4936CTN+	150C	1000	HRS	77	0
STORAGE LIFE	1003	MAX17491GTA+T	150C	1000	HRS	80	0
STORAGE LIFE	1005	MAX2839ETN+	150C	1000	HRS	76	0
STORAGE LIFE	1012	MAX9832ETG+	150C	1000	HRS	80	0
STORAGE LIFE	1013	MAX17491GTA+T	150C	1000	HRS	80	0

STORAGE LIFE	1013	MAX11014BGTM+	150C	1000	HRS	77	0
STORAGE LIFE	1013	MAX11014BGTM+	150C	500	HRS	77	0
STORAGE LIFE	1013	MAX11014BGTM+	150C	1000	HRS	77	0
STORAGE LIFE	1013	MAX8798ETX+	150C	500	HRS	77	0
STORAGE LIFE	1013	MAX8798ETX+	150C	1000	HRS	77	0
STORAGE LIFE	1014	MAXEXP6ETE+	150C	1000	HRS	80	0
STORAGE LIFE	1014	MAXEXP6ETE+	150C	1000	HRS	80	0
STORAGE LIFE	1015	MAX17491GTA+	150C	1000	HRS	80	0
STORAGE LIFE	1017	MAX9832ETG+	150C	1000	HRS	80	0
STORAGE LIFE	1017	MAXEXP6ETE+	150C	1000	HRS	80	0
STORAGE LIFE	1018	MAX9832ETG+	150C	1000	HRS	80	0
STORAGE LIFE	1019	MAX2821ETM+	150C	500	HRS	77	0
STORAGE LIFE	1019	MAX2821ETM+	150C	500	HRS	77	0
STORAGE LIFE	1021	MAX9832ETG+	150C	1000	HRS	80	0
STORAGE LIFE	1021	MAX2388ETC+	150C	1000	HRS	77	0
STORAGE LIFE	1021	MAX2388ETC+	150C	1000	HRS	77	0
STORAGE LIFE	1022	MAX9832ETG+	150C	1000	HRS	80	0
STORAGE LIFE	1022	MAX3802UTK+	150C	500	HRS	77	0
STORAGE LIFE	1022	MAX3802UTK+	150C	500	HRS	77	0
STORAGE LIFE	1022	MAX17100ETM+C8 W	150C	1000	HRS	77	0
STORAGE LIFE	1023	MAX17100ETM+C8 W	150C	1000	HRS	77	0
STORAGE LIFE	1023	MAX17100ETM+C8 W	150C	1000	HRS	77	0
STORAGE LIFE	1024	MAX17114ETM+CB2	150C	500	HRS	77	0
STORAGE LIFE	1025	MAX17094ETM+	150C	500	HRS	77	0
STORAGE LIFE	1025	MAX17094ETM+	150C	500	HRS	77	0
STORAGE LIFE	1025	MAX17115ETJ+	150C	500	HRS	77	0
STORAGE LIFE	1026	MAX16814ATP/V+	150C	1000	HRS	50	0
STORAGE LIFE	1030	MAX9668ETP+	150C	500	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	0904	MAX17410GTM+	-65C TO 150C	1000	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	0904	MAX17410GTM+	-65C TO 150C	1000	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	0904	MAX17410GTM+	-65C TO 150C	1000	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	0904	MAX17410GTM+	-65C TO 150C	1000	CYS	78	0

TEMP CYCLE, 5' RAMP, 10' DWELL	0914	MAX3600CTL+	-65C TO 150C	500	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	0916	MAX3600CTL+	-65C TO 150C	500	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	0916	MAX3600CTL+	-65C TO 150C	500	CYS	79	0
TEMP CYCLE, 5' RAMP, 10' DWELL	0920	MAX2163AETL+T	-65C TO 150C	1000	CYS	1612	0
TEMP CYCLE, 5' RAMP, 10' DWELL	0921	MAX17017GTM+	-65C TO 150C	1000	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	0924	MAX17017GTM+	-65C TO 150C	1000	CYS	80	1
TEMP CYCLE, 5' RAMP, 10' DWELL	0924	MAX17017GTM+	-65C TO 150C	1000	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	0929	MAX17079GTL+	-65C TO 150C	1000	CYS	78	0
TEMP CYCLE, 5' RAMP, 10' DWELL	0929	MAX17079GTL+	-65C TO 150C	500	CYS	78	0
TEMP CYCLE, 5' RAMP, 10' DWELL	0929	MAX17079GTL+	-65C TO 150C	1000	CYS	78	0
TEMP CYCLE, 5' RAMP, 10' DWELL	0935	MAX17030GTL+	-65C TO 150C	1000	CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	0935	MAX17030GTL+	-65C TO 150C	1000	CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	0935	MAX17030GTL+	-65C TO 150C	1000	CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	0936	MAX17088ETX+	-65C TO 150C	500	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	0936	MAX9730ETI+	-65C TO 150C	1000	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	0937	MAX1781ETM+	-65C TO 150C	1000	CYS	77	
TEMP CYCLE, 5' RAMP, 10' DWELL	0937	MAX1781ETM+	-65C TO 150C	1000	CYS	77	
TEMP CYCLE, 5' RAMP, 10' DWELL	0937	MAX1781ETM+	-65C TO 150C	1000	CYS	77	
TEMP CYCLE, 5' RAMP, 10' DWELL	0940	MAX3738BETG+	-65C TO 150C	500	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	0940	MAX3738BETG+	-65C TO 150C	500	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	0940	MAX3738BETG+	-65C TO 150C	500	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	0942	MAX4936CTN+	-65C TO 150C	1000	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	0943	MAX14998ETO+	-65C TO 150C	500	CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	0943	MAX14998ETO+	-65C TO 150C	500	CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	0943	MAX14998ETO+	-65C TO 150C	500	CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	0945	MAX4695ETC+	-65C TO 150C	1000	CYS	77	0

TEMP CYCLE, 5' RAMP, 10' DWELL	0945	MAX4695ETC+	-65C TO 150C	1000 CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	0945	MAX4695ETC+	-65C TO 150C	1000 CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	0946	MAX4936CTN+	-65C TO 150C	1000 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	0946	MAX1781ETM+	-65C TO 150C	1000 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	0946	MAX1781ETM+	-65C TO 150C	1000 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	0946	MAX1781ETM+	-65C TO 150C	1000 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	0946	MAX4936CTN+	-65C TO 150C	500 CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	0946	MAX4936CTN+	-65C TO 150C	500 CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1003	MAX17491GTA+T	-65C TO 150C	500 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1006	MAX2839ETN+	-65C TO 150C	500 CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1012	MAX9832ETG+	-65C TO 150C	500 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1013	MAX17491GTA+T	-65C TO 150C	500 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1013	MAX11014BGTM+	-65C TO 150C	1000 CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1013	MAX11014BGTM+	-65C TO 150C	1000 CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1013	MAX11014BGTM+	-65C TO 150C	1000 CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1013	MAX8798ETX+	-65C TO 150C	500 CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1013	MAX8798ETX+	-65C TO 150C	500 CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1013	MAX8798ETX+	-65C TO 150C	500 CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1014	MAXEXP6ETE+	-65C TO 150C	500 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1014	MAXEXP6ETE+	-65C TO 150C	500 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1014	MAX98400AETX+	-65C TO 150C	200 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1015	MAX17491GTA+	-65C TO 150C	500 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1017	MAXEXP6ETE+	-65C TO 150C	500 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1018	MAX9832ETG+	-65C TO 150C	500 CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1019	MAX2821ETM+	-65C TO 150C	1000 CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1019	MAX2821ETM+	-65C TO 150C	1000 CYS	77	0

TEMP CYCLE, 5' RAMP, 10' DWELL	1021	MAX9832ETG+	-65C TO 150C	500	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1021	MAX2388ETC+	-65C TO 150C	1000	CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1021	MAX2388ETC+	-65C TO 150C	1000	CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1022	MAX9832ETG+	-65C TO 150C	200	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1022	MAX3802UTK+	-65C TO 150C	500	CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1022	MAX3802UTK+	-65C TO 150C	500	CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1022	MAX17100ETM+C8 W	-65C TO 150C	1000	CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1023	MAX17100ETM+C8 W	-65C TO 150C	1000	CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1023	MAX17100ETM+C8 W	-65C TO 150C	1000	CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1025	MAX17094ETM+	-65C TO 150C	500	CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1025	MQX17094ETM+	-65C TO 150C	500	CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1025	MAX17094ETM+	-65C TO 150C	500	CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1027	MAX9590ETU+	-65C TO 150C	200	CYS	63	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1027	MAX9590ETU+	-65C TO 150C	200	CYS	17	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1027	MAX9590ETU+	-65C TO 150C	200	CYS	100	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1030	MAX9668ETP+	-65C TO 150C	224	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1031	MAX5621UTK+	-65C TO 150C	500	CYS	77	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1031	MAX5621UTK+	-65C TO 150C	500	CYS	77	0
Total:							1

TEMPERATURE HUMIDITY BIAS

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
BIASED MOISTURE	0944	MAX9979KCTK+	130C, 85% R.H.	41	HRS	41	0
Total:							0

UNBIASED MOISTURE RESISTANCE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
MOISTURE SOAK	1021	MAX2388ETC+	85 C/85% R.H.	1000	HRS	45	0
MOISTURE SOAK	1021	MAX2388ETC+	85 C/85% R.H.	1000	HRS	45	0
Total:							0

Assembly Information:

Package Type: uDFN (Pb-Free)

Date Code Range: 0913 to 1005

OPERATING LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
HIGH TEMP OP LIFE	1005	MAX4166ELA+T	135C	1000 HRS	48	0	
HIGH TEMP OP LIFE	1005	MAX4166ELA+T	135C	1000 HRS	48	0	
HIGH TEMP OP LIFE	1005	MAX4166ELA+T	135C	1000 HRS	48	0	
					Total:	0	

STORAGE LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
STORAGE LIFE	1005	MAX4166ELA+T	150C	1000 HRS	80	0	
STORAGE LIFE	1005	MAX4166ELA+T	150C	1000 HRS	80	0	
STORAGE LIFE	1005	MAX4166ELA+T	150C	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	0913	MAX8840ELT40+T	-65C TO 150C	1000 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1005	MAX4166ELA+T	-65C TO 150C	1000 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1005	MAX4166ELA+T	-65C TO 150C	1000 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1005	MAX4166ELA+T	-65C TO 150C	1000 CYS	80	0	
					Total:	0	

FAILURE RATE: MTTF (YRS): ##### FITS: 0.2