



1/25/2008

RELIABILITY MONITOR REPORT
FOR

TQFP Package

MAXIM Integrated Products

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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		
UNK	32	TQFP	UNK	48 TQFP
UNK	80	TQFP	UNK	100 TQFP

The calculated failure rate for this assembly is:

FAILURE RATE: MTTF (YRS): 148824 FITS: 0.8

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 and

Assembly Information:

Package Type: TQFP
Flammability: UL 94-V0
Date Code Range: 0538 to 0624

OPERATING LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
HIGH TEMP OP LIFE	0538	MAX9972BCCS	135C, 5.25V	1000 HRS	48	0	
HIGH TEMP OP LIFE	0540	MAX9772BCCS	135C, 5.25V	1000 HRS	45	0	
		MAX9972BCCS	135C, 5.25V	1000 HRS	45	0	
HIGH TEMP OP LIFE	0543	MAX1437ECQ_	135C, 5.25V	1000 HRS	32	0	
		MAX1437ECQ+	135C, 5.25V	1000 HRS	32	0	
			135C, 5.25V	1000 HRS	32	0	
HIGH TEMP OP LIFE	0546	806-0632-20	135C, 5.25V	1000 HRS	45	0	
HIGH TEMP OP LIFE	0548	MAX1802EHJ+	135C, 5.25V	1000 HRS	45	0	
			135C, 5.25V	1000 HRS	45	0	
			135C, 5.25V	1000 HRS	45	0	
HIGH TEMP OP LIFE	0550	MAX2360ECM+	135C, 5.25V	1000 HRS	42	0	
		MAX3780CCQ+	135C, 5.25V	1000 HRS	42	0	
			135C, 5.25V	1000 HRS	42	0	
			135C, 5.25V	1000 HRS	42	0	
		MAX2360ECM+	135C, 5.25V	1000 HRS	42	0	
HIGH TEMP OP LIFE	0621	MAX9972BCCS	135C, 5.25V	1000 HRS	48	0	
HIGH TEMP OP LIFE	0623	MAX9972BCCS	135C, 5.25V	1000 HRS	48	0	
HIGH TEMP OP LIFE	0624	MAX9972BCCS	135C, 5.25V	1000 HRS	48	0	

Total: 0

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