



4/8/2009

RELIABILITY MONITOR REPORT  
FOR

**MQFP 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	SCS (StatsChipPac Si	80 MQFP (Pb-Free)
ATP (Amkor, PI)	80	MQFP (Pb-Free)		

The calculated failure rate for this assembly is:

**FAILURE RATE: MTTF (YRS): 18096 FITS: 6.3**

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 7/1/2007 and 6/30/2008.

**Assembly Information:**

Package Type: MQFP (Pb-Free)

Date Code Range: 0802 to 0805

**OPERATING LIFE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
HIGH TEMP OP LIFE	0802	DS5230	125C, 5.5 VOLTS	1000 HRS	77	0	
HIGH TEMP OP LIFE	0805	DS5003	125C, 5.5 VOLTS	1000 HRS	77	0	
<b>Total:</b>						<b>0</b>	

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