



1/25/2008

**RELIABILITY MONITOR REPORT  
FOR**

**PLCC 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
ATP (Amkor, PI)	44 PLCC

The calculated failure rate for this assembly is:

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  
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**Assembly Information:**

Package Type:                      PLCC  
Flammability:                      UL 94-V0  
Date Code Range:                      0642      to      0642

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**TEMPERATURE HUMIDITY BIAS**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
HAST	0642	DS87C520	130C, 85%R.H.,5.5V	96	HRS	117	0
			130C, 85%R.H.,5.5V	96	HRS	117	0
HAST	0642	DS87C520	130C, 85%R.H.,5.5V	96	HRS	117	0
			130C, 85%R.H.,5.5V	96	HRS	117	0
<b>Total:</b>						<b>0</b>	