

**10/27/2017**



**RELIABILITY MONITOR REPORT  
FOR**

**LCCC 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
Microchip	28 LCC

The calculated failure rate for this assembly is:

**FAILURE RATE: MTTF (YRS): 15309 FITS: 7.5**

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 7/1/2017 and 9/30/2017.

**Assembly Information:**

Package Type: LCC  
Date Code Range: 1631 to 1631

**OPERATING LIFE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
HIGH TEMP OP LIFE	1631	DG406AZ/883B	135°C	500 HRS	78	0	
HIGH TEMP OP LIFE	1631	DG406AZ/883B	135°C	500 HRS	80	0	
<b>Total:</b>						<b>0</b>	

**STORAGE LIFE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
STORAGE LIFE	1631	DG406AZ/883B	150°C	1000 HRS	80	0	
STORAGE LIFE	1631	DG406AZ/883B	150°C	1000 HRS	80	0	
STORAGE LIFE	1631	DG406AZ/883B	150°C	1000 HRS	80	0	
<b>Total:</b>						<b>0</b>	

**TEMPERATURE CYCLE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
TEMP CYCLE, 5' RAMP, 10' DWELL	1631	DG406AZ/883B	-65C TO +150C (Condition C)	1000 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1631	DG406AZ/883B	-65C TO +150C (Condition C)	1000 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1631	DG406AZ/883B	-65C TO +150C (Condition C)	1000 CYS	80	0	
<b>Total:</b>						<b>0</b>	

**FAILURE RATE: MTTF (YRS): 15309 FITS: 7.5**