

10/27/2014



RELIABILITY MONITOR REPORT
FOR

iButton 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
Batangas Assembly	2	iButton IM (Pb-Free)

Note: Due to the nature of the construction on this assembly, there is no operating life data collected.

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 10/1/2013 and 9/30/2014

Assembly Information:

Package Type: iButton IM (Pb-Free)
 Flammability: UL 94-V0
 Date Code Range: 1337 to 1339

STORAGE LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
STORAGE LIFE	1337	DS1922L	85°C	1048 HRS	77	0	
STORAGE LIFE	1338	DS1922L	85°C	1048 HRS	77	0	
STORAGE LIFE	1339	DS1922L	85°C	1000 HRS	77	0	
Total:						0	

TEMPERATURE CYCLE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
TEMP CYCLE, 5' RAMP, 10' DWELL	1337	DS1922L	-40C TO +85C (Condition N)	1100 CYS	77	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1338	DS1922L	-40C TO +85C (Condition N)	1100 CYS	77	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1339	DS1922L	-40C TO +85C (Condition N)	1100 CYS	77	0	
Total:						0	

UNBIASED MOISTURE RESISTANCE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
MOISTURE SOAK STORAGE LIFE	1337	DS1922L	60C/90% R.H., BATTERY BIAS 60°C	1000 HRS 1004 HRS	77 77	0 0	
MOISTURE SOAK STORAGE LIFE	1338	DS1922L	60C/90% R.H., BATTERY BIAS 60°C	1000 HRS 1004 HRS	77 73	0 0	
MOISTURE SOAK STORAGE LIFE	1339	DS1922L	60C/90% R.H., BATTERY BIAS 60°C	1000 HRS 1004 HRS	77 77	0 0	
Total:						0	