



7/19/2012

**RELIABILITY MONITOR REPORT
FOR**

iButton 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		
Batangas Assembly	2	iButton WB (Pb-Free)	Cirtek	2 iButton WB (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 7/1/2011 and 6/30/2012

Assembly Information:

Package Type: iButton WB (Pb-Free)
 Flammability: UL 94-V0
 Date Code Range: 1133 to 1215

STORAGE LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
STORAGE LIFE	1133	DS1922S	85 C	1000 HRS	77	0	
STORAGE LIFE	1134	DS1922S	85 C	1000 HRS	77	0	
STORAGE LIFE	1134	DS1922S	85 C	1000 HRS	77	0	
STORAGE LIFE	1214	DS1992	85 C	1000 HRS	77	0	
STORAGE LIFE	1214	DS1992	85 C	1000 HRS	77	0	
STORAGE LIFE	1215	DS1992	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	1133	DS1922S	-40 TO 85C	1000 CYS	77	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1134	DS1922S	-40 TO 85C	1000 CYS	77	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1134	DS1922S	-40 TO 85C	1000 CYS	77	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1214	DS1992	-40 TO 85C	1000 CYS	77	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1214	DS1992	-40 TO 85C	1000 CYS	77	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1215	DS1992	-40 TO 85C	1000 CYS	77	0	
Total:						0	

UNBIASED MOISTURE RESISTANCE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
MOISTURE SOAK	1133	DS1922S	60C/90% R.H., BATTERY BIAS	1000 HRS	51	0	

MOISTURE SOAK	1134	DS1922S	60C/90% R.H., BATTERY BIAS	1000 HRS	77	0
MOISTURE SOAK	1134	DS1922S	60C/90% R.H., BATTERY BIAS	1000 HRS	77	0
MOISTURE SOAK	1214	DS1992	60C/90% R.H.	1000 HRS	77	0
MOISTURE SOAK	1214	DS1992	60C/90% R.H.	1000 HRS	77	0
MOISTURE SOAK	1215	DS1992	60C/90% R.H.	1000 HRS	77	0
				Total:		0