

RELIABILITY MONITOR REPORT  
FOR

**Module Package**

**Dallas Semiconductor**

4401 South Beltwood Parkway  
Dallas, TX 75244-3292

This Report was prepared by  
Dallas Semiconductor 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	28	Module F-Clip Hi Density SMT (Pb-Free)

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:                      Module (Pb-Free)  
Flammability:                      UL 94-V0  
Date Code Range:                      0714      to      0714

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**STORAGE LIFE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
VISUAL INSPECTION	0714	DS1643	WHISKERS < 50uM		76	0	
STORAGE LIFE			85 C	1000 HRS	77	0	
				<b>Total:</b>		<b>0</b>	

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**TEMPERATURE CYCLE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
VISUAL INSPECTION	0714	DS1643	WHISKERS < 50uM		77	0	
TEMP CYCLE			-40 TO 85C	1000 CYS	77	0	
				<b>Total:</b>		<b>0</b>	

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**TEMPERATURE HUMIDITY BIAS**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
VISUAL INSPECTION	0714	DS1643	WHISKERS < 50uM		77	0	
BIASED MOISTURE			85/85, 5.5 VOLTS	1000 HRS	77	0	
				<b>Total:</b>		<b>0</b>	