

RELIABILITY MONITOR REPORT  
FOR

**Power Cap 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	34 Power Cap (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 and

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**Assembly Information:**

Package Type: Power Cap (Pb-Free)  
Flammability: UL 94-V0  
Date Code Range: 0715 to 0718

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**STORAGE LIFE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
STORAGE LIFE	0715	DS1744	85 C	1000 HRS	77	0	
STORAGE LIFE	0718	DS1744	85 C	1000 HRS	77	0	
STORAGE LIFE	0718	DS1744	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
TEMP CYCLE	0715	DS1744	-40 TO 85C	1000 CYS	77	0	
TEMP CYCLE	0718	DS1744	-40 TO 85C	1000 CYS	77	0	
TEMP CYCLE	0718	DS1744	-40 TO 85C	1000 CYS	77	0	
<b>Total:</b>						<b>0</b>	

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**UNBIASED MOISTURE RESISTANCE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
MOISTURE SOAK	0715	DS1744	60C/90% R.H.	1000 HRS	77	0	
MOISTURE SOAK	0718	DS1744	60C/90% R.H.	1000 HRS	77	0	
MOISTURE SOAK	0718	DS1744	60C/90% R.H.	1000 HRS	77	0	
<b>Total:</b>						<b>0</b>	