

RELIABILITY REPORT  
FOR

**DS9092L**

**Dallas Semiconductor**

4401 South Beltwood Parkway  
Dallas, TX 75244-3292

Prepared by:

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**Conclusion:**

The following qualification successfully meets the quality and reliability standards required of all Dallas Semiconductor products and processes:

DS9092L

In addition, Dallas Semiconductor's continuous reliability monitor program ensures that all outgoing product will continue to meet Maxim's quality and reliability standards. The current status of the reliability monitor program can be viewed at <http://www.maxim-ic.com/TechSupport/dsreliability.html>.

**Device Description:**

A description of this assembly can be found in the product data sheet. You can find the product data sheet at [http://dbserv.maxim-ic.com/l\\_datasheet3.cfm](http://dbserv.maxim-ic.com/l_datasheet3.cfm).

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

The reliability data follows. Some of the data in this report may be generic. A 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. If there are additional assemblies used as part of this report, a description of each will follow which includes the respective reliability data for that assembly. The reliability data section includes the latest data available.

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**Assembly Information:**

Assembly Site: BTW China  
Pin Count: 2  
Package Type: Dongle/Fob  
Body Size: 0  
Mold Compound: ?  
Lead Frame: ?  
Lead Finsh:  
Die Attach: ?  
Bond Wire / Size: /  
Flammability: UL 94-V0  
Moisture Sensitivity  
(JEDEC J-STD20A)  
Date Code Range: 9849 to 9849

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**TEMPERATURE HUMIDITY BIAS**

DESCRIPTION	DATE CODE	CONDITION	READPOINT	QUANTITY	FAILS
BIASED MOISTURE	9849	85/85, 5.5 VOLTS	274 HRS	50	0
			<b>Total:</b>		<b>0</b>

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**Assembly Information:**

Assembly Site: Dallas  
Pin Count: 2  
Package Type: Dongle/Fob  
Body Size: 0  
Mold Compound: ?  
Lead Frame: ?  
Lead Finsh:  
Die Attach: ?  
Bond Wire / Size: /  
Flammability: UL 94-V0  
Moisture Sensitivity  
(JEDEC J-STD20A)  
Date Code Range: 0328 to 0328

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**MECHANICAL LIFE**

DESCRIPTION	DATE CODE	CONDITION	READPOINT	QUANTITY	FAILS
MECHANICAL SHOCK	0328	200G, 1/2 SINE, 6 MS	30 CYS	50	0
VIBRATION, VARIABLE F	0328	10g or 0.06", 5Hz-2KHz, X Y Z axis	9 HRS	50	0
<b>Total:</b>					<b>0</b>

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**STORAGE LIFE**

DESCRIPTION	DATE CODE	CONDITION	READPOINT	QUANTITY	FAILS
STORAGE LIFE	0328	85 C	1000 HRS	50	0
<b>Total:</b>					<b>0</b>

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**TEMPERATURE CYCLE**

DESCRIPTION	DATE CODE	CONDITION	READPOINT	QUANTITY	FAILS
TEMP CYCLE	0328	-40 TO 85C	1000 CYS	50	0
<b>Total:</b>					<b>0</b>

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**UNBIASED MOISTURE RESISTANCE**

DESCRIPTION	DATE CODE	CONDITION	READPOINT	QUANTITY	FAILS
MOISTURE SOAK	0328	60C/90% R.H.	1000 HRS	50	0
<b>Total:</b>					<b>0</b>