

**PACKAGE RELIABILITY REPORT  
FOR**

**DS9098P**

**Dallas Semiconductor**

**4401 South Beltwood Parkway  
Dallas, TX 75244-3292**

**Prepared by:**

*Ken Wendel*

**Ken Wendel  
Reliability Engineering Manager  
Dallas Semiconductor  
4401 South Beltwood Pkwy.  
Dallas, TX 75244-3292  
Email : ken.wendel@dalsemi.com  
ph: 972-371-3726  
fax: 972-371-6016  
mbl: 214-435-6610**

**Conclusion:**

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

DS9098P

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>.

**Package 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. 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. 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. Where appropriate, preconditioning is performed before all stresses and the bond crater test unless otherwise noted. The reliability data section includes the latest data available.

---

**Assembly Information:**

Assembly Site:	AK Stamp
Pin Count:	2
Package Type:	BRICK
Body Size:	0
Mold Compound:	Vectra E130i
Lead Frame:	?
Lead Finish:	
Die Attach:	?
Bond Wire / Size:	/
Flammability:	UL 94-V0
Theta JA:	
Theta JC:	
Moisture Sensitivity (JEDEC J-STD20A)	Level 1
Date Code Range:	0440 to 0440

---

**MOISTURE SENSITIVITY LEVEL 1**

DESCRIPTION	DATE CODE	CONDITION	READPOINT	QTY	FAILS	FA#
STORAGE LIFE	0440	125C	24 HRS	10		
MOISTURE SOAK		85 C/85% R.H.	168 HRS	10		
CONVECTION REFLOW		220C +5/-0C	3 PASS	10		
EXTERNAL VISUAL		J-STD-020, 6.1a		10	1	No FA
Total:					1	

---

**MOISTURE SENSITIVITY LEVEL 3**

DESCRIPTION	DATE CODE	CONDITION	READPOINT	QTY	FAILS	FA#
STORAGE LIFE	0440	125C	24 HRS	10		
MOISTURE SOAK		30C/60% R.H.	192 HRS	10		
CONVECTION REFLOW		220C +5/-0C	3 PASS	10		
EXTERNAL VISUAL		J-STD-020, 6.1a		10	0	

STORAGE LIFE	0440	125C	24	HRS	18	
MOISTURE SOAK		30C/60% R.H.	192	HRS	18	
CONVECTION REFLOW		260C +/-5C	3	PASS	18	
EXTERNAL VISUAL		J-STD-020, 6.1a			18	0
<b>Total:</b>						<b>0</b>