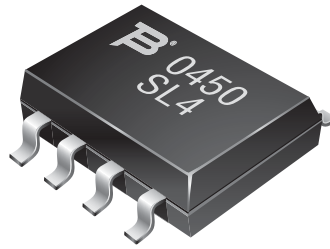


Product Change Notification

DIODES



March, 2012

Additional Assembly/Test Location for TVS Diode NSOIC 8L Package

In order to support our fast growing demand, secure continuity of supply and provide maximum flexibility to our customers, Bourns is adding an additional assembly/test location in China for the assembly/test of the NSOIC - 8L package for our TVS diode products.

Below is the affected Bourns® part number using the NSOIC - 8L package:

[CDNBS08-SLVU2.8-4](#)

Qualification:

Below are the *Qualification Information & Results* for the NSOIC - 8L package at the new assembly/test location.

Qualification Information:

All Products	
Die Technology	TVS Diode Products
Product Name	CDNBS08-SLVU2.8-4
Top Metal	Al
Back Metal	AlNiAu
Assembly Site	China
Pins/Package	NSOIC 8L
Mold Compound	CEL9220HF10
Die Attach	Sumitomo 84-3J
Bond Wire	Multiple 1 Mil Au
L/F Material	Copper
Marking	Laser
Termination Finish	Matte Sn (Pb Free)

Qualification Results:

Test Plan					
					Lot 1
					CDNBS08-SLVU2.8-4
Stress Test	Conditions	Standard	Method	SS/Acc	SS/fail
Moisture Induced Stress Sensitivity		J-STD-020	-	Level 1	154/0
HTRB	125 °C, 1000 h	MIL STD 750	1048	22/0	22/0
HTSL	150 °C, 1000 h	J-STD-22	A103	22/0	22/0
PCT	85 °C / 85 % RH, 1000 h	J-STD-22	A102	22/0	22/0
TCT	65 / +150 °C, 1000 cs	J-STD-22	A104	22/0	22/0
Solderability	8 h Steam	JESD22-	B102E	5/0	5/0
Lead Fatigue	-	MIL STD 883	2004	22/0	8/0
Lead Pull	-	MIL STD 883	2004	22/0	8/0
Lead Adhesion	-	MIL STD 883	2025	15/0	8/0
Dimensions	Data Sheet	MIL STD 883	2025	5/0	5
Flammability	3 mm	UL94-V0			
W/Bond Pull Strength	-	MIL STD 883	2011	76/0	76/0
Die Shear	-	MIL STD 883	2019	5/0	5/0
X-Ray	-	MIL STD 883	2012	5/0	5/0

Samples subjected are preconditioned according to JESD22-A113 (260 °C).

Product Labeling:

Product marking is unchanged except for country code information. Labels will show the country of origin code.

Identification of the Changed Product:

Bourns maintains traceability back to the source wafer lots and assembly sites for all products.

First Date Code from New Site: 1235

Impact on Form, Fit, Function and Reliability:

The package outline dimensions will continue to meet the current Bourns data sheet. Product ratings and electrical characteristics are unaffected by the change. There is no impact on form, fit, function or reliability.

Last Date of Manufacture of Existing Product:

Bourns has no plans to discontinue assembly & test of products at its existing subcontract sites.

Implementation Date:

Deliveries to customers from the new site may occur from September 2012 onward.

If you have any questions, please contact our [customer service](#) teams in your region.