

PCN # 195
Notification Date:
September 30, 2020

Product / Process Change Notice

Parts Affected:

Silicon controlled rectifiers (SCRs) manufactured in the TO-39 Case.

Extent of Change:

Additional assembly site.

Reason for Change:

As part of Central Semiconductor's supply chain risk mitigation initiative, in an effort to ensure an undisrupted supply of product, an additional assembly site is being added for the referenced product family. Product specifications, quality and reliability are not impacted by this addition.

Effect of Change:

This addition does not affect the fit, form or function of the devices.

Qualification:

Test	Condition	Duration	Failure rate
Temperature Cycling (T.C.)	TA= -55°C to +175°C Dwell time = 15 min. JESD22-A104 & MIL-STD-750 TM1051	1000 Cycles	0/77
High Temp. Storage Life (H.T.S.L.)	TA= +150°C (-0/+10°C) JESD22-A103	1000 Hours	0/77
High Temp. Reverse Bias (H.T.R.B.)	T=+125°C Bias conditions per Data Sheet JESD22-A108	1000 Hours	0/77
Resistance to Solder Heat (R.S.H.)	Pb free: T =270°C ±5°C, Dwell=7s +2/-0 Thru-hole devices submerge to case JESD22-B106	1 Cycle	0/5
Thermal Shock Test (T.S.T.)	T=-65°C to +150°C Dwell time = 5 min. Max Transfer time 20 sec. JESD22-A106	100 Cycles	0/77
Solderability (SD)	Steam Age: T=93°C +3/-5°C. Pb-free Dip: T=245°C +/-5°C Dwell time = 5+/-0.5sec MIL-STD-750 TM2026	1 Cycle	0/15



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Effective Date of Change:

Existing inventory will be shipped until depleted.

Sample Availability:

Please contact your salesperson or manufacturer’s representative for samples.

Part Numbers Affected

CS39-2A	2N1595	2N2322
CS39-2B	2N1595A	2N2323
CS39-2D	2N1596	2N2324
CS39-4B	2N1596A	2N2325
CS39-4D	2N1597	2N2326
CS39-4M	2N1597A	2N2326A
CS39-4N	2N1598	2N2327
	2N1598A	2N2328
	2N1599	2N2329
	2N1599A	

As per JEDEC standard JESD46, Customer Notification of Product/Process Changes by Solid-State Suppliers, a lack of acknowledgement of a PCN within thirty (30) days constitutes acceptance of the change.

The undersigned acknowledges and accepts Central Semiconductor’s Product/Process Change Notification (PCN).

Company Name:	
Address:	
Printed Name:	
Title:	
Signature:	
Date:	