

PCN #209
Notification Date:
March 2, 2021

Product / Process Change Notice

Parts Affected:

All devices manufactured in the SOD-923 case.

Extent of Change:

Additional assembly location.

Reason for Change:

As part of Central Semiconductor’s supply chain risk mitigation initiative, and in an effort to ensure an uninterrupted supply of product, an additional assembly location is being added for the referenced product types. Device specifications, quality, and reliability are not impacted by this addition.

Effect of Change:

This change does not affect the fit, form or function of the device.

Qualification:

Test	Condition	Duration	Failure rate
High Temperature Storage Life	Ta=125°C	1000 Hours	0/77
Continuous Forward Operating Life	Ta=25°C, I=IO +/- 10% DC supply	168 Hours	0/77
High Temperature Reverse Bias	Ta=100°C, VR=80% Rated Voltage	1000 Hours	0/77
High Humidity	Ta=85°C, RH=85%	1000 Hours	0/77
Soldering Heat Resistance Test	Tsolder=260°C, 10 Seconds	1 Cycle	0/30
Pressure Cooker	Ta=121°C, P=29.7psia, RH=100%	96 Hours	0/77
Temperature Cycling	Ta= -55 10min Ta= +150 10min Transfer time less than 1min.	1000 Cycles	0/77
Thermal Shock	0°C to +100°C, dwell time = 5 min, max transfer time = 10 sec.	100 Cycles	0/77
Intermittent Forward Operating Life	I=1.0 x IO DC supply, On / Off Time=120s	15,000 Cycles	0/77
Solderability	Pb-free Dip: T=245°C +/-5°C, Dwell time = 5+/-0.5sec	1 Cycle	0/10



145 Adams Avenue, Hauppauge, NY 11788 USA
Tel: (631) 435-1110 • Fax: (631) 435-1824

www.centralemi.com

<mailto:processchange@centralemi.com>

<https://www.centralemi.com/process-change-notice>

<p>PCN #209 Notification Date: March 2, 2021</p>

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:

- CMAD4448
- CMAD6001
- CMAD6263
- CMASH-4
- CMATVS3V3
- CMATVS5V0

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:	