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<https://www.centrasemi.com/process-change-notices>

**PCN #194**  
**Notification Date:**  
**July 29, 2020**

## Product / Process Change Notice

**Parts Affected:**

Transient voltage suppressors (TVS) manufactured in the SMAFL case.

**Extent of Change:**

Additional wafer fab 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 wafer fabrication 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
<b>Temperature Cycling (T.C.)</b>	TA= -55+0°C/-10°C 15min(Min) TA= +150+15°C/-0°C 15min(Min) Transfer time less than 1min. The load should reach temp. within 15min	1000 Cycles	0/77
<b>High Temperature Reverse Bias (HTRB)</b>	TA=140°C, VR=100%VB DC supply	168 Hours	0/77
<b>Resistance to Solder Heat (R.S.H.)</b>	T =260°C ±5°C Dwell time = 10 sec.	1 Cycle	0/30
<b>High Temp. Storage Life (H.T.S.L.)</b>	TA= +150°C	1000 Hours	0/77 3 Lots
<b>Thermal Shock Test (T.S.T.)</b>	TA=0°C (5 min) ~ +100°C (5 min)	100 Cycles	0/77 3 Lots
<b>High Humidity High Temperature Reverse Bias (H3TRB)</b>	TA=85°C+/-2°C RH=85%+/-5% VR=80%VB DC Supply	1000 Hours	0/77



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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:**

C4SMAFL13A	C4SMAFL24A	C4SMAFL45A	C4SMAFL75A	C4SMAFL150A
C4SMAFL14A	C4SMAFL26A	C4SMAFL48A	C4SMAFL78A	C4SMAFL160A
C4SMAFL15A	C4SMAFL28A	C4SMAFL51A	C4SMAFL85A	C4SMAFL170A
C4SMAFL16A	C4SMAFL30A	C4SMAFL54A	C4SMAFL90A	
C4SMAFL17A	C4SMAFL33A	C4SMAFL58A	C4SMAFL100A	
C4SMAFL18A	C4SMAFL36A	C4SMAFL60A	C4SMAFL110A	
C4SMAFL20A	C4SMAFL40A	C4SMAFL64A	C4SMAFL120A	
C4SMAFL22A	C4SMAFL43A	C4SMAFL70A	C4SMAFL130A	

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:	