

**PCN #198**  
**Notification Date:**  
**September 28, 2020**

## Product / Process Change Notice

**Parts Affected:**

The 2N6059 NPN power darlington transistor wafer process.

**Extent of Change:**

Change in wafer fab, resulting in change in die size. The die size changed from 162 x 162 mils to 131 x 131 mils.

**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, a change in wafer fabrication site is being made for the referenced products. Product specifications, quality and reliability are not impacted by this change.

**Effect of Change:**

This change does not affect electrical device characteristics.

**Qualification:**

Test	Condition	Duration	Failure rate
High Temperature Storage Life	Ta=150°C	168 Hours	0/22
Low Temperature Storage Life	Ta=-65°C	168 Hours	0/22
High Temperature Reverse Bias	Ta=150°C, 80% Rated Voltage	168 Hours	0/22
Operating Life	Ta=-65°C, Tc=110°C	168 Hours	0/22
Pressure Cooker	Ta=119.6°C, P=2atm	144 Hours	0/22
Temperature Cycling (Air-to-Air)	Ta= -65 30min Ta= +150 30min Transfer time less than 1min.	50 Cycles	0/22

**Effective Date of Change:**

Existing inventory will be shipped until depleted.



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<mailto:processchange@centrialsemi.com>

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

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**Sample Availability:**

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

**Part Numbers Affected:**

BDX85	MJ1000	SE9303
BDX85A	MJ1001	SE9304
BDX85B	MJ3000	SE9305
BDX85C	MJ3001	2N6055
BDX87	PMD10K40	2N6056
BDX87A	PMD10K60	2N6057
BDX87B	PMD10K80	2N6058
BDX87C	PMD10K100	2N6059
CEN1092	PMD12K40	2N6383
CEN1391	PMD12K60	2N6384
CEN992	PMD12K80	2N6385
	PMD12K100	

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:	