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**PCN #218**  
**Notification Date:**  
**June 2, 2021**

## Product / Process Change Notice

### **Parts Affected:**

The following NPN power transistors:

### **Part Numbers Affected:**

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

### **Extent of Change:**

Change in wafer fab, resulting in change in die size from 131 x 131 mils to 110 x 110 mils.

### **Reason for Change:**

As part of Central Semiconductor's supply chain risk mitigation initiative, and in an effort to ensure an undisrupted supply of product, a change in wafer fabrication site is being made for the products referenced above. Product specifications, quality and reliability are not impacted by this change.

### **Effect of Change:**

This change does not affect electrical device characteristics.

### **Earliest Effective Date of Change:**

August 17, 2021

### **Inventory Availability**

Existing inventory will be shipped until depleted.



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**Qualification:**

Test	Condition	Duration	Failure rate
High Temperature Storage Life	Ta=150°C	1000 Hours	0/77
Thermal Shock	dwel time = 5 min, -65°C to +150°C, max transfer time = 20 sec.	100 Cycles	0/77
High Temperature Reverse Bias	Ta=125°C, Bias conditions per device datasheet.	1000 Hours	0/77
Solderability	Steam Age: T=93°C +3/-5°C. Non Pb-free Dip: T=215°C +/-5°C, Pb-free Dip: T=245°C +/-5°C, Dwell time = 5+/-0.5sec	1 Cycle	0/15
Temperature Cycling	Dwell time = 15 min Ta = -65°C to +150°C Transfer time less than 1min.	1000 Cycles	0/77

**Sample Availability:**

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

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:	