



145 Adams Avenue, Hauppauge, NY 11788, USA
Tel: 1.631.435.1110 Fax: 1.631.435.1824
www.centra-semi.com

<mailto:processchange@centra-semi.com>

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

PCN #207
Notification Date:
March 2, 2021

Product / Process Change Notice

Parts Affected:

The following SOT-223 transistors are affected:

CBCP69

CEN1220

CZT3019

Extent of Change:

The die attach method used in the assembly process is changing from eutectic to soft solder.

Reason for Change:

The soft solder die attach method is better suited for devices of larger die size.

Effect of Change:

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

Qualification:

| Test | Condition | Duration | Failure rate |
|---|--|-------------|--------------|
| Temperature Cycling (T.C.) | 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 |
| Resistance to Solder Heat (R.S.H.) | T =260°C ±5°C Dwell time = 10 sec. | 1 Cycle | 0/5 |
| Thermal Shock Test (T.S.T.) | TA=0°C (5 min) ~ +100°C (5 min) | 100 Cycles | 0/77 |

Effective Date of Change:

Existing inventory will be shipped until depleted.

Sample Availability:

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



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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: | |