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PCN # 174_Rev 1

Revision Notification Date: 27 Sept. 2019

Original Notification Date: 13 Aug. 2019

Product / Process Change Notice

Parts Affected:

Chip process CP210, N-Channel JFETs, wafers and bare die

Extent of Change:

The CP210 wafer process has been discontinued and replaced with the CP232V wafer process. See figures 1 and 2 for details.

Reason for Change:

The CP210 wafer process has been replaced by the CP232V wafer process in order to enhance the manufacturing process controls and performance. In addition, this change is being made to ensure undisrupted supply of product, moving forward.

Revision 1 September 27, 2019: Issued to include additional devices not on the initial PCN release. Newly added devices are shown in the "Part Numbers Affected" section on page 3 marked with *.

Effect of Change:

The wafer process meets all electrical specifications of the individual devices listed on the following page.

Qualification:

No.		Test	Conditions (Reference standards are in bold)	Qty	Pass/Fail	Test Results
1		Device Life Tests				
	а	High Temperature Gate Bias (HTGB)	T=125°C, t = 1000 hours 100%, VGS=35V, Source and Drain Shorted JESD22-A108	77	Pass	77/77
	b	High Temperature Storage Life (HTSL)	T=150°C, t = 1000 hours JESD22-A103	77	Pass	77/77
	с	Thermal Shock	100 cycles, dwell time = 5 min, -65°C to +150°C, max transfer time = 20 sec. JESD22-A106	77	Pass	77/77
	D	Temperature Cycling (TC)	-65°C to +150°C, Tdwell = 15min, 1000 cycles	77	Pass	77/77

P/N: CP232V Chip Process

Package: TO-72



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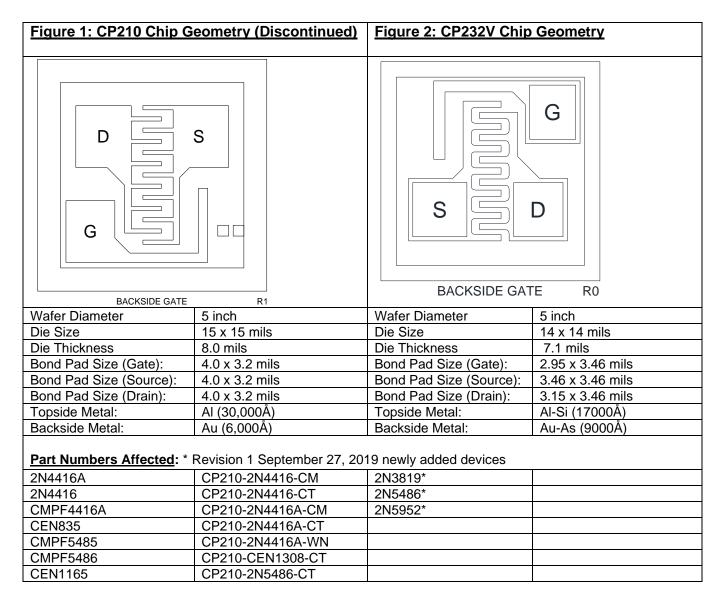
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Effective Date of Change:

Existing Inventory of chip process CP210 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:	