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# Product Change Notification



Product Group: SIL/Mon Oct 23, 2023/PCN-SIL-000416-2023-REV-0

## Clip Design Update for Siliconix IC SIC820, SIC830, SIC840, SIC836ED and SIC837ED

For further information, please contact your regional Vishay office.

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**Description of Change:** Change Clip landing from flat type to angle type.

**Reason for Change:** Improve the joint of solder and Clip at lead post side.

**Expected Influence on Quality/Reliability/Performance:** There will be no effect on performance, but higher quality and reliability

**Part Numbers/Series/Families Affected:** Please see materials list on the succeeding page.

**Vishay Brand(S):** Vishay Siliconix

#### Time Schedule:

Start Shipment Date: Mon Dec 25, 2023

**Sample Availability:** Samples are available now

**Product Identification:** Lot Number and Date code

**Qualification Data:** See attached PDF

**This PCN is considered approved, without further notification, unless we receive specific customer concerns before Fri Nov 24, 2023 or as specified by contract.**

**Issued By:** Lisette Saba, malinalisette.saba@vishay.com



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SIC820ED-T1-GE3	SIC840AED-T1-GE3	SIC840ED-T1-GE3	SIC830AED-T1-GE3	SIC830AED-T3-GE3
SIC830ED-T1-GE3	SIC836ED-GE3-U-Y	SIC837ED-T1-GE3		



PCN-SIL-000416-2023 QUALIFICATION DATA

# **Clip Design Update for Siliconix IC SIC820, SIC830, SIC840, SIC836ED and SIC837ED**

## **Qualification Data**

**October 2023**


**TEST RESULT DATA:**
Table 1 Validation lot result

EBR#		EBR1228	EBR1226	EBR1227
P/N		SiC822	SiC830	SiC830
Lot ID		S10V054.60	R19V056.41	R19V056.42
<b>Final Test(T0)</b>	In	3908	3902	3895
	Out	3881	3859	3793
	Reject	27	43	102
	Yield	99.3%	99.3%	97.6%
<b>3xReflow</b>	In	3758	3795	3726
	Out	3758	3795	3726
	Reject	0	0	0
	Yield	100.0%	100.00%	100.00%
<b>TC250</b>	In	3751	3784	3694
	Out	3751	3784	3694
	Reject	0	0	0
	Yield	100.0%	100.00%	100.00%