



# Product Change Notification



Product Group: SIL/Thu Jul 1, 2021/PCN-SIL-021-2021-REV-0

## Vishay Siliconix Announces New Material of Conductive Die Attach Film (CDAF) for SC89-6L Dual package for Commercial Power MOSFETs

**DESCRIPTION OF CHANGE:** Vishay Siliconix announces new material of conductive die attach for SC89-6L Dual package for Low Voltage Commercial power MOSFETs i.e. New Material for die attach (Conductive Die attach Film) for SC89-6L Dual package. This change is from eutectic to CDAF (Conductive Die Attach Film) for the Die Attach process, the wafer back metal material changes from CrAu to TiNiAg as required to support the CDAF process. CDAF provides consistent bond line thickness without die tilt, low bleed, low fillet height and full coverage.

The SC89-6L Dual package physical dimension and electrical characterization in application will be no changes.

**REASON FOR CHANGE:** Part of continued quality improvement program

**EXPECTED INFLUENCE ON QUALITY/RELIABILITY/PERFORMANCE:** Enhancement to long-term product reliability

**PART NUMBERS/SERIES/FAMILIES AFFECTED:** Please see materials list on the succeeding page.

**VISHAY BRAND(s):** Vishay Siliconix

**TIME SCHEDULE:**

Start Shipment Date: Fri Oct 1, 2021

**SAMPLE AVAILABILITY:** Please contact your regional Vishay Sales office for sample availability

**PRODUCT IDENTIFICATION:** There will be no change to part numbering

**QUALIFICATION DATA:** Qualification results are available upon request

**This PCN is considered approved, without further notification, unless we receive specific customer concerns before Thu Sep 30, 2021 or as specified by contract.**

**ISSUED BY:** Michael Hsieh, Michael.Hsieh@vishay.com

**For further information, please contact your regional Vishay office.**

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SI1016X-T1-GE3	SI1016CX-T1-GE3	SI1023X-T1-GE3	SI1023CX-T1-GE3	SI1024X-T1-GE3
SI1025X-T1-GE3	SI1026X-T1-GE3	SI1029X-T1-GE3	SI1034X-T1-GE3	SI1034CX-T1-GE3
SI1035X-T1-GE3	SI1036X-T1-GE3	SI1040X-T1-GE3		

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Product Group: Vishay Siliconix / July 1<sup>st</sup>, 2021 / PCN-SIL-021-2021 Rev 0

## Vishay Siliconix Announces New Material of Conductive Die Attach Film (CDAF) for SC89-6L Dual package for Commercial Power MOSFETs

**DESCRIPTION OF CHANGE:** Vishay Siliconix announces new material of conductive die attach for SC89-6L Dual package for Low Voltage Commercial power MOSFETs i.e. New Material for die attach (Conductive Die attach Film) for SC89-6L Dual package. This change is from eutectic to CDAF (Conductive Die Attach Film) for the Die Attach process, the wafer back metal material changes from CrAu to TiNiAg as required to support the CDAF process. CDAF provides consistent bond line thickness without die tilt, low bleed, low fillet height and full coverage.

The SC89-6L Dual package physical dimension and electrical characterization in application will be no changes.

**CLASSIFICATION OF CHANGE:** Direct Materials (Major).

**REASON FOR CHANGE:** Part of continued quality improvement program

**EXPECTED INFLUENCE ON QUALITY/RELIABILITY/PERFORMANCE:** Enhancement to long-term product reliability

**PRODUCT CATEGORY:** Low Voltage Commercial Power MOSFET

**PART NUMBERS/SERIES/FAMILIES AFFECTED:**

**SC89-6L Dual parts as mentioned on Page 2**

**VISHAY BRAND(s):** Vishay-Siliconix

**TIME SCHEDULE:** Shipments can begin on October 1<sup>st</sup>, 2021

**SAMPLE AVAILABILITY:** Please contact your regional Vishay Sales office for sample availability

**QUALIFICATION DATA:** Qualification results are available upon request

**PRODUCT IDENTIFICATION:** There will be no change to part numbering

This PCN is considered approved, without further notification, unless we receive specific customer concerns before September 30<sup>th</sup>, 2021 as specified by contract

**ISSUED BY:** Michael Hsieh, Vishay Siliconix, Product Marketing Manager  
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## PCN-SIL-021-2021 Affected Parts List:

SN	Affected Part Number
1	SI1016X-T1-GE3
2	SI1016CX-T1-GE3
3	SI1023X-T1-GE3
4	SI1023CX-T1-GE3
5	SI1024X-T1-GE3
6	SI1025X-T1-GE3
7	SI1026X-T1-GE3
8	SI1029X-T1-GE3
9	SI1034X-T1-GE3
10	SI1034CX-T1-GE3
11	SI1035X-T1-GE3
12	SI1036X-T1-GE3
13	SI1040X-T1-GE3

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