



Product Change Notification



Product Group: SIL/Wed Mar 24, 2021/PCN-SIL-004-2021-REV-0

New Material of Conductive Die Attach Film for Package SC89 6L Single for Commercial Power MOSFETs

DESCRIPTION OF CHANGE: Vishay Siliconix announces new material of conductive die attach for SC89 6L Single Package for Low Voltage Commercial power MOSFETs i.e. New Material for die attach (Conductive Die attach Film) for SC89 6L Single 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 Single package's physical dimension and electrical characterization in application will have no change

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: SI1050X-T1-GE3, SI1070X-T1-GE3, SI1077X-T1-GE3, SI1078X-T1-GE3, SI1079X-T1-GE3

VISHAY BRAND(s): Vishay Siliconix

TIME SCHEDULE:

Start Shipment Date: Wed Jun 23, 2021

SAMPLE AVAILABILITY: 6th April 2021

PRODUCT IDENTIFICATION: There will be no change to part numbering

QUALIFICATION DATA: Data is available upon request

This PCN is considered approved, without further notification, unless we receive specific customer concerns before Wed Jun 23, 2021 or as specified by contract.

ISSUED BY: Amit Gole3, Amit.Gole3@vishay.com

For further information, please contact your regional Vishay office.

CONTACT INFORMATION:

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ONE OF THE WORLD'S LARGEST MANUFACTURERS OF DISCRETE SEMICONDUCTORS AND PASSIVE COMPONENT



Product Change Notification



Product Group: Vishay Siliconix /March 24th, 2021 / PCN-SIL-0042021 Rev 0

Vishay Siliconix Announces New Material of Conductive Die Attach Film for Package SC89 6L Single for Commercial Power MOSFETs

DESCRIPTION OF CHANGE: Vishay Siliconix announces new material of conductive die attach for SC89 6L Single Package for Low Voltage Commercial power MOSFETs i.e. New Material for die attach (Conductive Die attach Film) for SC89 6L Single 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 Single package's physical dimension and electrical characterization in application will have no change

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-L Single parts as mentioned on Page 2

VISHAY BRAND(s): Vishay-Siliconix

TIME SCHEDULE: Shipments can begin on June 23rd, 2021.

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

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 June 23rd, 2021 as specified by contract

ISSUED BY: Amit Gole, Vishay Siliconix, Senior Manager-Product Marketing.

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ORIGINATOR: Zhenzhong Liu, Vishay Siliconix, Reliability

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For further information, please contact your regional Vishay office.

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Procedure #



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Affected Part List:

SN	Part
1	Si1050X-T1-GE3
2	SI1070X-T1-GE3
3	Si1077X-T1-GE3
4	SI1078X-T1-GE3
5	SI1079X-T1-GE3

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