



# Product Change Notification



Product Group: SIL/Thu Dec 8, 2022/PCN-SIL-013-2022-REV-0

## Vishay Siliconix Announces New Material of Solder Paste for Commercial Power MOSFET in PowerPAK 1212 Packages

**DESCRIPTION OF CHANGE:** To continue the supply of target commercial power MOSFETs, Vishay Siliconix announces the new solder paste, Pb95Sn5, is adopted in PowerPAK 1212 package to replace the original material, Pb88Sn10Ag2, for the yield improvement.

**REASON FOR CHANGE:** Yield Improvement

**EXPECTED INFLUENCE ON QUALITY/RELIABILITY/PERFORMANCE:** There will be no effect on quality, reliability, performance, and the minimum/maximum values in the datasheet. The material composition of Die-Attach will be changed accordingly as shown in the following page.

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

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

**TIME SCHEDULE:**

Start Shipment Date: Mon Feb 13, 2023

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

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

**QUALIFICATION DATA:** Available upon the completion of transfer qualification testing.

**This PCN is considered approved, without further notification, unless we receive specific customer concerns before Wed Feb 8, 2023 or as specified by contract.**

**ISSUED BY:** Andrew Tsai, [andrew.tsai@vishay.com](mailto:andrew.tsai@vishay.com)

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

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?SI7615DN-T1-GE3	SIS126DN-T1-GE3	SI7129DN-T1-GE3	SIS892ADN-T1-GE3	SIS443DN-T1-GE3
SI7625DN-T1-GE3	SI7617DN-T1-GE3	SIS402DN-T1-GE3	SIS434DN-T1-GE3	SI7615ADN-T1-GE3
SIS128LDN-T1-GE3	SIS178LDN-T1-GE3	SIS606BDN-T1-GE3	SISA72ADN-T1-GE3	SIS862DN-T1-GE3
SIS862ADN-T1-GE3	SI7101DN-T1-GE3	SI7613DN-T1-GE3	SI7108DN-T1-E3	SIS427EDN-T1-GE3
SISA12ADN-T1-GE3	SIS890DN-T1-GE3	SIS468DN-T1-GE3	SISB46DN-T1-GE3	SI7110DN-T1-E3
SISA18ADN-T1-GE3	SI7232DN-T1-GE3	SI7114DN-T1-E3-Z	SI7116DN-T1-E3	SISA88DN-T1-GE3
SISA72DN-T1-GE3	SI7112DN-T1-E3	SISA40DN-T1-GE3	V30429-T1-GE3	SIS488DN-T1-GE3
SIS990DN-T1-GE3	SIS892DN-T1-GE3	SISA01DN-T1-GE3	SISA04DN-T1-GE3	SIS407DN-T1-GE3
SI7112DN-T1-GE3	SIS410DN-T1-GE3	SISA12ADN-T1-GE3-G	SI7108DN-T1-GE3	SIS476DN-T1-GE3
SISA10DN-T1-GE3	SIS454DN-T1-GE3	SI7116DN-T1-GE3	SI7111EDN-T1-GE3	SI7623DN-T1-GE3
SI7106DN-T1-E3	SIS890ADN-T1-GE3	SISA14DN-T1-GE3	SIS176LDN-T1-GE3	SI7615CDN-T1-GE3
SI7114ADN-T1-GE3	SI7114DN-T1-E3	SISC06DN-T1-GE3	SIS184LDN-T1-GE3	SI7110DN-T1-GE3
SISA26DN-T1-GE3	SI7106DN-T1-GE3	SISA24DN-T1-GE3	SIS184DN-T1-GE3	SIS472BDN-T1-GE3
SIS444DN-T1-GE3	SI7629DN-T1-GE3	SIS472DN-T1-GE3	SIS4604LDN-T1-GE3	SIS4604DN-T1-GE3
SIS4608LDN-T1-GE3	SI7114DN-T1-GE3	SIS4608DN-T1-GE3	SI7104DN-T1-E3	SI7104DN-T1-GE3
SI7106JN-T1-GE3	SI7129DN-T1-GE3-L	SI7328DN-T1-E3	SI7328DN-T1-GE3	SI7617DN-T1-GE3-H
SI7726DN-T1-GE3	SIS454DN-T1-GE3-H	SIS862DN-T1-GE3-N	SISA18ADN-T1-GE3-G	

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**EXPECTED INFLUENCE ON QUALITY/RELIABILITY/PERFORMANCE:** There will be no effect on quality, reliability, performance, and the minimum/maximum values in the datasheet.

The material composition of Die-Attach will be changed accordingly as shown below:

Substance	CAS Number	Before		After	
		Weight	% of Total Weight	Weight	% of Total Weight
Lead*	7439-92-1	0.88 mg	2.59 %	0.95 mg	2.79 %
Tin	7440-31-5	0.10 mg	0.29 %	0.05 mg	0.15 %
Silver	7440-22-4	0.02 mg	0.06 %	0.00 mg	0.00 %

\*ROHS Exemptions Used: 7(a)

For further information, please contact your regional Vishay office.

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Procedure #