



Product Change Notification



Product Group: Diodes Division / October 9, 2020 / PCN-DD-016-2020 Rev 0

Solder Wire Change

DESCRIPTION OF CHANGE: Vishay Semiconductors announces the solder wire change from Pb90In5Ag5 to Pb92.5Sn5Ag2.5 on TO-263 and TO-262 Part Numbers.

CLASSIFICATION OF CHANGE: Assembly Process/Structure

REASON FOR CHANGE: Material consolidation

EXPECTED INFLUENCE ON QUALITY/RELIABILITY/PERFORMANCE: There will be no effect on quality, reliability or electrical performance.

PRODUCT CATEGORY: Diodes

PART NUMBERS/SERIES/FAMILIES AFFECTED:

PACKAGE	FAMILY	PRODUCT
TO-263	FRED	VS-15ETH03SHM3
TO-263	FRED	VS-15ETH03STRLHM3
TO-263	FRED	VS-15ETH03STRRHM3
TO-262	FRED	VS-20CTH03-1HM3
TO-263	FRED	VS-20CTH03SHM3
TO-263	FRED	VS-20CTH03STRLHM3
TO-263	FRED	VS-20CTH03STRRHM3
TO-263	FRED	VS-30CTH02SHM3
TO-263	FRED	VS-30CTH02STRLHM3
TO-263	FRED	VS-30CTH02STRRHM3
TO-262	FRED	VS-8ETH03-1HM3
TO-263	FRED	VS-8ETH03SHM3
TO-263	FRED	VS-8ETH03STRLHM3
TO-263	FRED	VS-8ETH03STRRHM3
TO-262	FRED	VS-8ETH06-1HM3
TO-263	FRED	VS-8ETH06SHM3
TO-263	FRED	VS-8ETH06STRLHM3
TO-263	FRED	VS-8ETH06STRRHM3
TO-263	FRED	VS-8ETL06SHM3
TO-263	FRED	VS-8ETL06SL-M-S1
TO-263	FRED	VS-8ETL06STRLHM3
TO-263	FRED	VS-8ETL06STRRHM3
TO-262	FRED	VS-8ETU04-1HM3
TO-263	FRED	VS-8ETU04SHM3
TO-263	FRED	VS-8ETU04STRLHM3
TO-263	FRED	VS-8ETU04STRRHM3
TO-262	FRED	VS-ETH1506-1HM3

PACKAGE	FAMILY	PRODUCT
TO-263	FRED	VS-ETH1506SHM3
TO-263	FRED	VS-ETH1506STRLHM3
TO-263	FRED	VS-ETH1506STRRHM3
TO-262	FRED	VS-ETH3006-1HM3
TO-263	FRED	VS-ETH3006SHM3
TO-263	FRED	VS-ETH3006STRLHM3
TO-263	FRED	VS-ETH3006STRRHM3
TO-262	FRED	VS-ETL1506-1HM3
TO-263	FRED	VS-ETL1506SHM3
TO-263	FRED	VS-ETL1506STRLHM3
TO-263	FRED	VS-ETL1506STRRHM3
TO-262	FRED	VS-ETU1506-1HM3
TO-263	FRED	VS-ETU1506SHM3
TO-263	FRED	VS-ETU1506STRLHM3
TO-263	FRED	VS-ETU1506STRRHM3
TO-262	FRED	VS-ETU3006-1HM3
TO-263	FRED	VS-ETU3006SHM3
TO-263	FRED	VS-ETU3006STRLHM3
TO-263	FRED	VS-ETU3006STRRHM3
TO-262	FRED	VS-MURB1020CT-1HM3
TO-263	FRED	VS-MURB1020CTHM3
TO-263	FRED	VS-MURB1020CTLHM3
TO-263	FRED	VS-MURB1020CTRHM3
TO-262	FRED	VS-MURB1620CT-1HM3
TO-263	FRED	VS-MURB1620CTHM3
TO-263	FRED	VS-MURB1620CTLHM3
TO-263	FRED	VS-MURB1620CTRHM3
TO-262	FRED	VS-MURB2020CT-1HM3
TO-263	FRED	VS-MURB2020CTHM3
TO-263	FRED	VS-MURB2020CTLHM3
TO-263	FRED	VS-MURB2020CTRHM3
TO-262	FRED	VS-MURB820-1HM3
TO-263	FRED	VS-MURB820HM3
TO-263	FRED	VS-MURB820TRLHM3
TO-263	FRED	VS-MURB820TRRHM3
TO-263	HEXFRED	VS-HFA06TB120SLHMH
TO-263	HEXFRED	VS-HFA16TB120SHM3
TO-263	HEXFRED	VS-HFA16TB120SLHM3
TO-263	HEXFRED	VS-HFA16TB120SRHM3
TO-263	HEXFRED	VS-HFA25TB60SHM3

PACKAGE	FAMILY	PRODUCT
TO-263	HEXFRED	VS-HFA25TB60STLHM3
TO-263	HEXFRED	VS-HFA25TB60STRHM3
TO-263	SCHOTTKY	VS-10TQ035SHM3
TO-263	SCHOTTKY	VS-10TQ035STRLHM3
TO-263	SCHOTTKY	VS-10TQ035STRRHM3
TO-263	SCHOTTKY	VS-10TQ045SHM3
TO-263	SCHOTTKY	VS-10TQ045STRLHM3
TO-263	SCHOTTKY	VS-10TQ045STRRHM3
TO-263	SCHOTTKY	VS-12TQ035SHM3
TO-263	SCHOTTKY	VS-12TQ035STRLHM3
TO-263	SCHOTTKY	VS-12TQ035STRRHM3
TO-263	SCHOTTKY	VS-12TQ040SHM3
TO-263	SCHOTTKY	VS-12TQ040STRLHM3
TO-263	SCHOTTKY	VS-12TQ040STRRHM3
TO-263	SCHOTTKY	VS-12TQ045SHM3
TO-263	SCHOTTKY	VS-12TQ045STRLHM3
TO-263	SCHOTTKY	VS-12TQ045STRRHM3
TO-263	SCHOTTKY	VS-15TQ060SHM3
TO-263	SCHOTTKY	VS-15TQ060STRLHM3
TO-263	SCHOTTKY	VS-15TQ060STRRHM3
TO-262	SCHOTTKY	VS-16CTQ060-1HM3
TO-263	SCHOTTKY	VS-16CTQ060SHM3
TO-263	SCHOTTKY	VS-16CTQ060STRLHM3
TO-263	SCHOTTKY	VS-16CTQ060STRRHM3
TO-262	SCHOTTKY	VS-16CTQ080-1HM3
TO-263	SCHOTTKY	VS-16CTQ080SHM3
TO-263	SCHOTTKY	VS-16CTQ080STRLHM3
TO-263	SCHOTTKY	VS-16CTQ080STRRHM3
TO-262	SCHOTTKY	VS-16CTQ100-1HM3
TO-263	SCHOTTKY	VS-16CTQ100SHM3
TO-263	SCHOTTKY	VS-16CTQ100STRLHM3
TO-263	SCHOTTKY	VS-16CTQ100STRRHM3
TO-263	SCHOTTKY	VS-18TQ035SHM3
TO-263	SCHOTTKY	VS-18TQ035STRLHM3
TO-263	SCHOTTKY	VS-18TQ035STRRHM3
TO-263	SCHOTTKY	VS-18TQ040SHM3
TO-263	SCHOTTKY	VS-18TQ040STRLHM3
TO-263	SCHOTTKY	VS-18TQ040STRRHM3
TO-263	SCHOTTKY	VS-18TQ045SHM3
TO-263	SCHOTTKY	VS-18TQ045STRLHM3

PACKAGE	FAMILY	PRODUCT
TO-263	SCHOTTKY	VS-18TQ045STRRH3
TO-262	SCHOTTKY	VS-20CTQ150-1HM3
TO-263	SCHOTTKY	VS-20CTQ150SHM3
TO-263	SCHOTTKY	VS-20CTQ150STRLHM3
TO-263	SCHOTTKY	VS-20CTQ150STRRH3
TO-263	SCHOTTKY	VS-20TQ035SHM3
TO-263	SCHOTTKY	VS-20TQ035STRLHM3
TO-263	SCHOTTKY	VS-20TQ035STRRH3
TO-263	SCHOTTKY	VS-20TQ040SHM3
TO-263	SCHOTTKY	VS-20TQ040STRLHM3
TO-263	SCHOTTKY	VS-20TQ040STRRH3
TO-263	SCHOTTKY	VS-20TQ045SHM3
TO-263	SCHOTTKY	VS-20TQ045STRLHM3
TO-263	SCHOTTKY	VS-20TQ045STRRH3
TO-262	SCHOTTKY	VS-30CTQ035-1HM3
TO-263	SCHOTTKY	VS-30CTQ035SHM3
TO-263	SCHOTTKY	VS-30CTQ035STRLHM3
TO-263	SCHOTTKY	VS-30CTQ035STRRH3
TO-262	SCHOTTKY	VS-30CTQ040-1HM3
TO-263	SCHOTTKY	VS-30CTQ040SHM3
TO-263	SCHOTTKY	VS-30CTQ040STRLHM3
TO-263	SCHOTTKY	VS-30CTQ040STRRH3
TO-262	SCHOTTKY	VS-30CTQ045-1HM3
TO-263	SCHOTTKY	VS-30CTQ045SHM3
TO-263	SCHOTTKY	VS-30CTQ045STRLHM3
TO-263	SCHOTTKY	VS-30CTQ045STRRH3
TO-262	SCHOTTKY	VS-32CTQ025-1HM3
TO-263	SCHOTTKY	VS-32CTQ025SHM3
TO-263	SCHOTTKY	VS-32CTQ025STRLHM3
TO-263	SCHOTTKY	VS-32CTQ025STRRH3
TO-262	SCHOTTKY	VS-32CTQ030-1HM3
TO-263	SCHOTTKY	VS-32CTQ030SHM3
TO-263	SCHOTTKY	VS-32CTQ030STRLHM3
TO-263	SCHOTTKY	VS-32CTQ030STRRH3
TO-263	SCHOTTKY	VS-40CTQ150S-M-S1
TO-263	SCHOTTKY	VS-40CTQ150STRLHM3
TO-263	SCHOTTKY	VS-40CTQ150STRRH3
TO-262	SCHOTTKY	VS-42CTQ030-1HM3
TO-263	SCHOTTKY	VS-42CTQ030SHM3
TO-263	SCHOTTKY	VS-42CTQ030STRLHM3

PACKAGE	FAMILY	PRODUCT
TO-263	SCHOTTKY	VS-42CTQ030STRRHM3
TO-262	SCHOTTKY	VS-43CTQ100-1HM3
TO-263	SCHOTTKY	VS-43CTQ100SHM3
TO-263	SCHOTTKY	VS-43CTQ100STRLHM3
TO-263	SCHOTTKY	VS-43CTQ100STRRHM3
TO-263	SCHOTTKY	VS-8TQ080SHM3
TO-263	SCHOTTKY	VS-8TQ080STRLHM3
TO-263	SCHOTTKY	VS-8TQ080STRRHM3
TO-263	SCHOTTKY	VS-8TQ100SHM3
TO-263	SCHOTTKY	VS-8TQ100SL-M3P
TO-263	SCHOTTKY	VS-8TQ100STRLHM3
TO-263	SCHOTTKY	VS-8TQ100STRRHM3
TO-262	SCHOTTKY	VS-MBR20100CT-1HM3
TO-262	SCHOTTKY	VS-MBR2080CT-1HM3
TO-262	SCHOTTKY	VS-MBR2090CT-1HM3
TO-263	SCHOTTKY	VS-MBRB1035HM3
TO-263	SCHOTTKY	VS-MBRB1035TRLHM3
TO-263	SCHOTTKY	VS-MBRB1035TRRHM3
TO-263	SCHOTTKY	VS-MBRB1045HM3
TO-263	SCHOTTKY	VS-MBRB1045TRLHM3
TO-263	SCHOTTKY	VS-MBRB1045TRRHM3
TO-263	SCHOTTKY	VS-MBRB20100CTHM3
TO-263	SCHOTTKY	VS-MBRB20100CTLHM3
TO-263	SCHOTTKY	VS-MBRB20100CTRHM3
TO-263	SCHOTTKY	VS-MBRB2080CTHM3
TO-263	SCHOTTKY	VS-MBRB2080CTLHM3
TO-263	SCHOTTKY	VS-MBRB2080CTRHM3
TO-263	SCHOTTKY	VS-MBRB2090CTHM3
TO-263	SCHOTTKY	VS-MBRB2090CTLHM3
TO-263	SCHOTTKY	VS-MBRB2090CTRHM3
TO-263	SCHOTTKY	VS-MBRB4045CTHM3
TO-263	SCHOTTKY	VS-MBRB4045CTLHM3
TO-263	SCHOTTKY	VS-MBRB4045CTRHM3
TO-263	SCHOTTKY	VS-S1504
TO-263	SCHOTTKY	VS-95-5243PBF
TO-263	SCHOTTKY	VS-95-9990PBF
TO-263	SCHOTTKY	VS-96-1036PBF
TO-263	SCHOTTKY	VS-96-1037PBF
TO-263	SCHOTTKY	VS-96-1039PBF
TO-262	SCHOTTKY	VS-96-1066PBF

PACKAGE	FAMILY	PRODUCT
TO-263	SCHOTTKY	VS-96-1078PBF
TO-263	SCHOTTKY	VS-96-1212PBF

VISHAY BRAND(s): Vishay Semiconductors

TIME SCHEDULE: Starting from January 12, 2021 Vishay will manufacture the products with the new Solder wire type.

SAMPLE AVAILABILITY: On customer request

PRODUCT IDENTIFICATION: N/A

QUALIFICATION DATA: See annex 1

This PCN is considered approved, without further notification, unless we receive specific customer written concerns before January 11, 2021 or as specified by contract

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ANNEX 1

VSI RELIABILITY LABORATORY			TR 2362		
PART NUMBER:		VS- MURB1020CT	D2PAK		
Test #	Test Description	Test Conditions	# Lot	# Tested	# Failed
7	TC	-55°C/150°C 1000 cycles	2	154	0
8	UHAST	130°C 85%RH 96hrs	2	154	0
9	H3TRB	85°C 85%HR @100V 1000hrs	2	154	0
10	IOL	DT=100°C 2'Ton/Toff 8572 cy	2	154	0
12	DPA	AEC Q101-004	1	2	0
20	RSH	JESD22 B-106	1	10	0
22	Rth	JESD-24-3, 24-4, 24-6	1	5	0
25	Die Shear	Mil Std 750 method 2017	1	5	0

VSI RELIABILITY LABORATORY			TR 2363		
PART NUMBER:		VS- 48CTQ060S	D2PAK		
Test #	Test Description	Test Conditions	# Lot	# Tested	# Failed
7	TC	-55°C/150°C 1000 cycles	2	154	0
8	UHAST	130°C 85%RH 96hrs	2	154	0
9	H3TRB	85°C 85%HR @48V 1000hrs	2	154	0
10	IOL	DT=100°C 2'Ton/Toff 8572 cy	2	154	0
12	DPA	AEC Q101-004	1	2	0
20	RSH	JESD22 B-106	1	10	0
22	Rth	JESD-24-3, 24-4, 24-6	1	5	0
25	Die Shear	Mil Std 750 method 2017	1	5	0