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Product Change Notification



Product Group: DD/Tue Oct 1, 2024/PCN-DD-030-2024-REV-0

8 inch Wafer for TMBS Commercial Grade Products

For further information, please contact your regional Vishay office.

CONTACT INFORMATION

Americas

Vishay Semiconductors
One Greenwich Place
-
Shelton CT United States 06484
Phone: +1-402-563-6866
Fax: +1-402-563-6296
Diodes-Americas@vishay.com

Europe

Vishay Semiconductors
Theresienstrasse 2
-
Heilbronn Germany D-74072
Phone: +49 7131 7498 656 (715)
Fax: +49 7131 67 2938
Diodes-Europe@vishay.com

Asia

Vishay Semiconductors
37A Tampines Street 92 #07-01
-
Singapore 528886
Phone: +65 6788 6668
Fax: +65 6788 988
Diodes-Asia@vishay.com

Description of Change: In addition to the existing 6-inch wafer source, Vishay Diodes Division will incorporate an 8-inch wafer in-house production line within the same manufacturing plant located in Taiwan. This consolidation is aimed at expanding our capacity in producing commercial grade TMBS (Trench MOS Barrier Schottky) products. As part of this integration, the top metal of the TMBS 8-inch solderable wafer will utilize Ti/Ni/Ag, aligning with the top metal used in the planar Schottky wafers. Additionally, the polyimide coating process on the 8-inch wafer platform will follow the same procedure as that of 8-inch planar Schottky wafer to consolidate the manufacturing process.

Meanwhile, TMBS in SMB & SMC package will also follow the changes communicated in PCN-DD-002-2022 and PCN-DD-007-2022 to introduce an additional in-house backend manufacturing site in Kaohsiung, Taiwan.

The TMBS rectifiers on 8 inch in-house wafer platform have been qualified to meet our specification and performance standards. There will be no change in form, fit and function on all affected products.

Upon the approval of this PCN, all future and customized part number for related product in the same package will adopt the same change.

Reason for Change: Capacity expansion and process consolidation

Expected Influence on Quality/Reliability/Performance: No changes in quality and reliability performance

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

Vishay Brand(S): Vishay General Semiconductor

Time Schedule:

Start Shipment Date: Mon Dec 2, 2024

Sample Availability: Available upon request

Product Identification: Wafer source traceability is done through Lot Number. The new manufacturing code "K" will be marked next to the date code of device marking for identification, for example, "49K" (4 - 2024, 9 – September, K – Kaohsiung, Taiwan)

Qualification Data: Available upon request

This PCN is considered approved, without further notification, unless we receive specific customer concerns before Sat Nov 30, 2024 or as specified by contract.

Issued By: Eddie Hwang, Product Marketing Director – Schottky Rectifier

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MBR10100-E3/4W	MBR10100-M3/4W	MBR10100CT-E3/4W	MBR10100CT-M3/4W	MBR1090-E3/4W
MBR1090-M3/4W	MBR1090CT-E3/4W	MBR1090CT-M3/4W	MBR20100CT-E3/4W	MBR20100CT-M3/4W
MBR2090CT-E3/4W	MBR2090CT-M3/4W	MBRB10100-E3/4W	MBRB10100-E3/8W	MBRB10100-M3/4W
MBRB10100-M3/8W	MBRB10100CT-E3/4W	MBRB10100CT-E3/8W	MBRB10100CT-M3/4W	MBRB10100CT-M3/8W
MBRB1090-E3/4W	MBRB1090-E3/8W	MBRB1090-M3/4W	MBRB1090-M3/8W	MBRB1090CT-E3/4W
MBRB1090CT-E3/8W	MBRB20100CT-E3/4W	MBRB20100CT-E3/8W	MBRB20100CT-M3/4W	MBRB20100CT-M3/8W
MBRB2090CT-E3/4W	MBRB2090CT-E3/8W	MBRB2090CT-M3/4W	MBRB2090CT-M3/8W	MBRF10100-E3/4W
MBRF10100-M3/4W	MBRF10100CT-E3/4W	MBRF10100CT-M3/4W	MBRF1090-E3/4W	MBRF1090-M3/4W
MBRF1090CT-M3/4W	MBRF20100CT-E3/4W	MBRF20100CT-M3/4W	MBRF2090CT-E3/4W	MBRF2090CT-M3/4W
V10150C-E3/4W	V10150C-M3/4W	V10150S-E3/4W	V10150S-M3/4W	V10170C-M3/4W
V20100C-E3/4W	V20100C-M3/4W	V20100S-E3/4W	V20100S-M3/4W	V20100SG-E3/4W
V20100SG-M3/4W	V20120C-E3/4W	V20120C-M3/4W	V20120S-E3/4W	V20120S-M3/4W
V20120SG-E3/4W	V20120SG-M3/4W	V20150C-E3/4W	V20150C-M3/4W	V20150S-E3/4W
V20150S-M3/4W	V20150SG-E3/4W	V20150SG-M3/4W	V20M120C-M3/4W	V20M120M-E3/4W
V30100C-E3/4W	V30100C-M3/4W	V30100S-E3/4W	V30100S-M3/4W	V30100SG-E3/4W
V30100SG-M3/4W	V30120C-E3/4W	V30120C-M3/4W	V30120S-E3/4W	V30120S-M3/4W
V30120SG-E3/4W	V30120SG-M3/4W	V30150C-E3/4W	V30150C-M3/4W	V30200C-E3/4W
V30M100M-E3/4W	V30M120C-M3/4W	V30M120M-E3/4W	V40100C-E3D/P	V40100C-E3/4W
V40100C-M3D/P	V40100C-M3/4W	V40100G-E3/4W	V40100G-M3/4W	V40120C-E3/4W
V40120C-M3/4W	V40150C-E3/4W	V40150C-M3/4W	V40170C-M3/4W	V40M120C-M3/4W
V40M150C-M3/4W	V60100C-E3/4W	V60100C-M3D/P	V60100C-M3/4W	V60120C-E3/4W
V60120C-M3/4W	V60170G-M3/4W	V60M120C-M3/4W	VB10150C-E3/4W	VB10150C-E3/8W
VB10150C-M3/4W	VB10150C-M3/8W	VB10150S-E3/4W	VB10150S-E3/8W	VB10150S-M3/4W
VB10150S-M3/8W	VB10170C-E3/4W	VB10170C-E3/8W	VB10170C-M3/I	VB20100C-E3/4W
VB20100C-E3/8W	VB20100C-M3/4W	VB20100C-M3/8W	VB20100S-E3/4W	VB20100S-E3/8W
VB20100S-M3/4W	VB20100S-M3/8W	VB20100SG-E3/4W	VB20100SG-E3/8W	VB20120C-E3/4W
VB20120C-E3/8W	VB20120C-M3/4W	VB20120C-M3/8W	VB20120S-E3/4W	VB20120S-E3/8W
VB20120SG-E3/4W	VB20120SG-E3/8W	VB20120SG-M3/4W	VB20120SG-M3/8W	VB20150C-E3/4W
VB20150C-E3/8W	VB20150C-M3/4W	VB20150C-M3/8W	VB20150S-E3/4W	VB20150S-E3/8W
VB20150S-M3/4W	VB20150S-M3/8W	VB20150SG-E3/4W	VB20150SG-E3/8W	VB20M120C-E3/4W
VB20M120C-E3/8W	VB20M120C-M3/I	VB30100C-E3/4W	VB30100C-E3/8W	VB30100C-M3/4W
VB30100C-M3/8W	VB30100S-E3/4W	VB30100S-E3/8W	VB30100S-M3/4W	VB30100S-M3/8W
VB30100SG-E3/4W	VB30100SG-E3/8W	VB30100SG-M3/4W	VB30100SG-M3/8W	VB30120C-E3/4W
VB30120C-E3/8W	VB30120S-E3/4W	VB30120S-E3/8W	VB30120S-M3/4W	VB30120S-M3/8W
VB30120SG-E3/4W	VB30120SG-E3/8W	VB30150C-E3/4W	VB30150C-E3/8W	VB30150C-M3/4W
VB30150C-M3/8W	VB30200C-E3/4W	VB30200C-E3/8W	VB30M120C-E3/4W	VB30M120C-E3/8W
VB30M120C-M3/I	VB40100C-E3/4W	VB40100C-E3/8W	VB40100C-M3/4W	VB40100C-M3/8W
VB40100G-E3/4W	VB40100G-E3/8W	VB40120C-E3Z/I	VB40120C-E3/4W	VB40120C-E3/8W
VB40120C-M3/4W	VB40120C-M3/8W	VB40150C-E3/4W	VB40150C-E3/8W	VB40150C-M3/4W
VB40150C-M3/8W	VB40170C-E3/4W	VB40170C-E3/8W	VB40170C-M3/I	VB40M120C-E3/4W
VB40M120C-E3/8W	VB40M120C-M3/I	VB60100C-E3/4W	VB60100C-E3/8W	VB60100C-M3/4W
VB60100C-M3/8W	VB60120C-E3/4W	VB60120C-E3/8W	VB60170G-E3/4W	VB60170G-E3/8W
VBT10200C-E3/4W	VBT10200C-E3/8W	VBT1060C-E3/4W	VBT1060C-E3/8W	VBT1060C-M3/4W
VBT1060C-M3/8W	VBT1080C-E3/4W	VBT1080C-E3/8W	VBT1080C-M3/4W	VBT1080C-M3/8W
VBT1080S-E3/4W	VBT1080S-E3/8W	VBT1080S-M3/4W	VBT1080S-M3/8W	VBT2060C-E3/4W
VBT2060C-E3/8W	VBT2060C-M3/4W	VBT2060C-M3/8W	VBT2060G-E3/4W	VBT2060G-E3/8W
VBT2080C-E3/4W	VBT2080C-E3/8W	VBT2080C-M3/4W	VBT2080C-M3/8W	VBT2080S-E3/4W
VBT2080S-E3/8W	VBT2080S-M3/4W	VBT2080S-M3/8W	VBT3060C-E3/4W	VBT3060C-E3/8W
VBT3060G-E3/4W	VBT3060G-E3/8W	VBT3080C-E3/4W	VBT3080C-E3/8W	VBT3080C-M3/4W
VBT3080C-M3/8W	VBT3080S-E3/4W	VBT3080S-E3/8W	VBT3080S-M3/4W	VBT3080S-M3/8W
VBT30L60C-E3/4W	VBT30L60C-E3/8W	VBT30L60C-M3/I	VBT4060C-E3/4W	VBT4060C-E3/8W
VBT4060C-M3/4W	VBT4060C-M3/8W	VBT5200-E3/4W	VBT5200-E3/8W	VBT760-E3/4W
VBT760-E3/8W	VF10150C-E3/4W	VF10150C-M3/4W	VF10150S-E3/4W	VF10150S-M3/4W
VF20100C-E3/4W	VF20100C-M3/4W	VF20100S-E3/4W	VF20100S-M3/4W	VF20100SG-E3/4W
VF20100SG-M3/4W	VF20120C-E3/4W	VF20120C-M3/4W	VF20120S-E3/4W	VF20120S-M3/4W
VF20120SG-E3/4W	VF20120SG-M3/4W	VF20150C-E3/4W	VF20150C-M3/4W	VF20150S-E3/4W



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VF20150S-M3/4W	VF20150SG-E3/4W	VF20150SG-M3/4W	VF20M120C-M3/4W	VF30100C-E3R/4W
VF30100C-E3/4W	VF30100C-M3/4W	VF30100S-E3/4W	VF30100S-M3/4W	VF30100SG-E3/4W
VF30100SG-M3/4W	VF30120C-E3/4W	VF30120C-M3/4W	VF30120S-E3/4W	VF30120S-M3/4W
VF30120SG-E3/4W	VF30120SG-M3/4W	VF30150C-E3/4W	VF30150C-M3/4W	VF30200C-E3/4W
VF30M120C-M3/4W	VF40100C-E3R/4W	VF40100C-E3/4W	VF40100C-M3R/4W	VF40100C-M3/4W
VF40100G-E3/4W	VF40100G-M3/4W	VF40120C-E3/4W	VF40120C-M3/4W	VF40150C-E3/4W
VF40150C-M3/4W	VF40M120C-M3/4W	VF60100C-M3R/4W	VF60100C-M3/4W	VF60120C-M3/4W
VFT10200C-E3/4W	VFT1060C-E3/4W	VFT1060C-M3/4W	VFT1080C-E3/4W	VFT1080C-M3/4W
VFT1080S-E3/4W	VFT1080S-M3/4W	VFT2060C-E3/4W	VFT2060C-M3/4W	VFT2060G-E3/4W
VFT2060G-M3/4W	VFT2080C-E3/4W	VFT2080C-M3R/4W	VFT2080C-M3/4W	VFT2080S-E3/4W
VFT2080S-M3/4W	VFT3060C-E3/4W	VFT3060C-M3/4W	VFT3060G-E3/4W	VFT3060G-M3/4W
VFT3080C-E3/4W	VFT3080C-M3/4W	VFT3080S-E3/4W	VFT3080S-M3/4W	VFT30L60C-E3/4W
VFT30L60C-M3/4W	VFT4060C-E3/4W	VFT4060C-M3/4W	VFT5200-E3/4W	VFT760-E3/4W
VFT760-M3/4W	VI10150C-E3/4W	VI10150C-M3/4W	VI10150S-E3/4W	VI10150S-M3/4W
VI20100C-E3/4W	VI20100C-M3/4W	VI20100S-E3/4W	VI20100S-M3/4W	VI20100SG-E3/4W
VI20100SG-M3/4W	VI20120C-E3/4W	VI20120C-M3/4W	VI20120S-E3/4W	VI20120S-M3/4W
VI20120SG-E3/4W	VI20120SG-M3/4W	VI20150C-E3/4W	VI20150C-M3/4W	VI20150S-E3/4W
VI20150S-M3/4W	VI20150SG-E3/4W	VI20150SG-M3/4W	VI20M120C-M3/4W	VI30100C-E3/4W
VI30100C-M3/4W	VI30100S-E3/4W	VI30100S-M3/4W	VI30100SG-E3/4W	VI30100SG-M3/4W
VI30120C-E3/4W	VI30120C-M3/4W	VI30120S-E3/4W	VI30120S-M3/4W	VI30120SG-E3/4W
VI30120SG-M3/4W	VI30150C-E3/4W	VI30150C-M3/4W	VI30200C-E3/4W	VI30M120C-M3/4W
VI40100C-E3D/P	VI40100C-E3/4W	VI40100C-M3D/P	VI40100C-M3/4W	VI40100G-E3/4W
VI40100G-M3/4W	VI40120C-E3/4W	VI40120C-M3/4W	VI40150C-E3/4W	VI40150C-M3/4W
VI40M120C-M3/4W	VI60100C-E3/P	VIT10200C-E3/4W	VIT1060C-E3/4W	VIT1060C-M3/4W
VIT1080C-E3/4W	VIT1080C-M3/4W	VIT1080S-E3/4W	VIT1080S-M3/4W	VIT2060C-E3/4W
VIT2060C-M3/4W	VIT2060G-E3/4W	VIT2060G-M3/4W	VIT2080C-E3/4W	VIT2080C-M3/4W
VIT2080S-E3/4W	VIT2080S-M3/4W	VIT3060C-E3/4W	VIT3060C-M3/4W	VIT3060G-E3/4W
VIT3060G-M3/4W	VIT3080C-E3/4W	VIT3080C-M3/4W	VIT3080S-E3/4W	VIT3080S-M3/4W
VIT30L60C-E3/4W	VIT30L60C-M3/4W	VIT4060C-E3/4W	VIT4060C-M3/4W	VIT5200-E3/4W
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VT2060C-E3/4W	VT2060C-M3/4W	VT2060G-E3/4W	VT2060G-M3/4W	VT2080C-E3/4W
VT2080C-M3/4W	VT2080S-E3/4W	VT2080S-M3/4W	VT3060C-E3/4W	VT3060C-M3/4W
VT3060G-E3/4W	VT3060G-M3/4W	VT3080C-E3/4W	VT3080C-M3/4W	VT3080S-E3/4W
VT3080S-M3/4W	VT30L60C-E3/4W	VT30L60C-M3/4W	VT4060C-E3/4W	VT4060C-M3/4W
VT5200-E3/4W	VT760-E3/4W	VT760-M3/4W	VX40100C-M3/P	VX40120C-M3/P
VX4060C-M3/P	VX40M100C-M3/P	VX40M120C-M3/P	VX40M60C-M3/P	VX60100C-M3/P
VX60100PW-M3/P	VX60120C-M3/P	VX6060C-M3/P	VX6060PW-M3/P	VX60M100C-M3/P
VX60M100PW-M3/P	VX60M120C-M3/P	VX60M60C-M3/P	VX60M60PW-M3/P	VX80100PW-M3/P
VX8060PW-M3/P	VX80M100PW-M3/P	VX80M60PW-M3/P	V20200C-E3/4W	V20200G-E3/4W
VB20200C-E3/4W	VB20200C-E3/8W	VB20200G-E3/4W	VB20200G-E3/8W	VF20200C-E3/4W
VF20200G-E3/4W	VI20200C-E3/4W	VI20200G-E3/4W	V10D100C-M3/I	V10D120C-M3/I
V10D60C-M3/I	V10DM100C-M3/I	V10DM150C-M3/I	V10DM60C-M3/I	V10K100C-M3/H
V10K100C-M3/I	V10K100DU-M3/H	V10K100DU-M3/I	V10K120C-M3/H	V10K120C-M3/I
V10K150C-M3/H	V10K150C-M3/I	V10K60C-M3/H	V10K60C-M3/I	V10K60DU-M3/H
V10K60DU-M3/I	V10KM100C-M3/H	V10KM100C-M3/I	V10KM120C-M3/H	V10KM120C-M3/I
V10KM120DU-M3/H	V10KM120DU-M3/I	V10KM150C-M3/H	V10KM150C-M3/I	V10KM60C-M3/H
V10KM60C-M3/I	V10P10-M3C/H	V10P10-M3/86A	V10P10-M3/87A	V10P12-M3/86A
V10P12-M3/87A	V10P15-M3/H	V10P15-M3/I	V10P6-M3/86A	V10P6-M3/87A
V10P8-M3/86A	V10P8-M3/87A	V10PM10-M3/H	V10PM10-M3/I	V10PM12-M3/86A
V10PM12-M3/87A	V10PM15-M3/H	V10PM15-M3/I	V10PM6-M3/H	V10PM6-M3/I
V10PW10-M3/I	V10PW10C-M3/I	V10PW12-M3/I	V10PW12C-M3/I	V10PW60-M3/I
V10PW60C-M3/I	V10PWM10-M3/I	V10PWM10C-M3/I	V10PWM12-M3/I	V10PWM12C-M3/I
V10PWM60-M3/I	V10PWM60C-M3/I	V12P10-M3/86A	V12P10-M3/87A	V12P12-M3/86A
V12P12-M3/87A	V12P15-M3/H	V12P15-M3/I	V12P6-M3/86A	V12P6-M3/87A
V12P8-M3/86A	V12P8-M3/87A	V12PM10-M3/H	V12PM10-M3/I	V12PM12-01M3P/86A



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V12PM12-M3/86A	V12PM12-M3/87A	V12PM15-M3/H	V12PM15-M3/I	V12PM6-M3/H
V12PM6-M3/I	V15K100C-M3/H	V15K100C-M3/I	V15K120C-M3/H	V15K120C-M3/I
V15K150C-M3/H	V15K150C-M3/I	V15K60C-M3/H	V15K60C-M3/I	V15KM100C-M3/H
V15KM100C-M3/I	V15KM120C-M3/H	V15KM120C-M3/I	V15KM150C-M3/H	V15KM150C-M3/I
V15KM60C-M3/H	V15KM60C-M3/I	V15P10-M3C/H	V15P10-M3C/I	V15P10-M3P/H
V15P10-M3/H	V15P10-M3/I	V15P12-M3/H	V15P12-M3/I	V15P15-M3C/H
V15P15-M3/H	V15P15-M3/I	V15P6-M3/86A	V15P6-M3/87A	V15P8-M3/86A
V15P8-M3/87A	V15PM10-M3/H	V15PM10-M3/I	V15PM12-M3P/H	V15PM12-M3/H
V15PM12-M3/I	V15PM15-M3/H	V15PM15-M3/I	V15PM6-M3/H	V15PM6-M3/I
V1P6-M3/H	V1PM10-M3/H	V1PM12-M3/H	V1PM15-M3/H	V20D100C-M3/I
V20D60C-M3/I	V20DM100C-M3/I	V20DM120-M3/I	V20DM120C-M3/I	V20DM150C-M3/I
V20DM60C-M3/I	V20K150-M3/H	V20K150-M3/I	V20K60-M3/H	V20K60-M3/I
V20KM100-M3/H	V20KM100-M3/I	V20KM120-M3/H	V20KM120-M3/I	V20KM60-M3/H
V20KM60-M3/I	V20PL60-M3/86A	V20PL60-M3/87A	V20PW10-M3/I	V20PW10C-M3/I
V20PW12-M3/I	V20PW12C-M3/I	V20PW15-M3/I	V20PW15C-M3/I	V20PW60-M3/I
V20PW60C-M3/I	V20PWM10-M3/I	V20PWM10C-M3/I	V20PWM12-M3/I	V20PWM12C-M3/I
V20PWM15-M3/I	V20PWM15C-M3/I	V20PWM60-M3/I	V20PWM60C-M3/I	V25PL60-M3/86A
V25PL60-M3/87A	V25PN60-M3/86A	V25PN60-M3/87A	V2P6-M3/H	V2P6L-M3/H
V2P6L-M3/I	V2PM10-M3/H	V2PM10L-M3/H	V2PM10L-M3/I	V2PM12-M3/H
V2PM12L-M3/H	V2PM12L-M3/I	V2PM15-M3/H	V2PM15L-M3/H	V2PM15L-M3/I
V2PM6L-M3/H	V2PM6L-M3/I	V30D100C-M3/I	V30D60C-M3/I	V30D60CL-M3/I
V30DM100C-M3/I	V30DM120-M3/I	V30DM120C-M3/I	V30DM150C-M3/I	V30DM60CL-M3/I
V30K150-01M3/IE	V30K150-M3/H	V30K150-M3/I	V30K60-M3/H	V30K60-M3/I
V30KM100-M3/H	V30KM100-M3/I	V30KM120-01M3/IE	V30KM120-M3/H	V30KM120-M3/I
V30KM60-M3/H	V30KM60-M3/I	V35DM120-M3/I	V35PW10-M3/I	V35PW12-M3/I
V35PW15-M3/I	V35PW60-M3/I	V35PWM10-M3/I	V35PWM12-M3/I	V35PWM15-M3/I
V35PWM60-M3/I	V3P6L-M3/H	V3P6L-M3/I	V3PM10-M3/H	V3PM10-M3/I
V3PM12-M3/H	V3PM12-M3/I	V3PM15-M3/H	V3PM15-M3/I	V3PM6-M3/H
V3PM6-M3/I	V40D100C-M3/I	V40D120C-M3/I	V40D60C-M3/I	V40DM100C-M3/I
V40DM120C-M3/I	V40DM150C-M3/I	V40DM60C-M3/I	V40PW10C-M3/I	V40PW12C-M3/I
V40PW15C-M3/I	V40PW60C-M3/I	V40PWM10C-M3/I	V40PWM12C-M3/I	V40PWM15C-M3/I
V40PWM60C-M3/I	V60D100C-M3/I	V60D120C-M3/I	V60D60C-M3/I	V60DM100C-M3/I
V60DM120C-M3/I	V60DM60C-M3/I	V6K100DU-M3/H	V6K100DU-M3/I	V6KM120DU-M3/H
V6KM120DU-M3/I	V6PW10-M3/I	V6PW10C-M3/I	V6PW12-M3/I	V6PW12C-M3/I
V6PW60-M3/I	V6PW60C-M3/I	V6PWM10-M3/I	V6PWM10C-M3/I	V6PWM12-M3/I
V6PWM12C-M3/I	V6PWM60-M3/I	V6PWM60C-M3/I	V8KM60DU-M3/H	V8KM60DU-M3/I
V8P12-M3/86A	V8P12-M3/87A	V8P15-M3/H	V8P15-M3/I	V8P6-M3C/H
V8P6-M3/86A	V8P6-M3/87A	V8P8-M3/86A	V8P8-M3/87A	V8PA10-M3/I
V8PA12-M3/I	V8PA15-M3/I	V8PA6-M3/I	V8PAM10-M3/I	V8PAM10S-M3/H
V8PAM10S-M3/I	V8PAM12-M3/I	V8PL6-M3P/H	V8PL6-M3P/I	V8PL6-M3/86A
V8PL6-M3/87A	V8PM10-M3/H	V8PM10-M3/I	V8PM10S-M3/H	V8PM10S-M3/I
V8PM15-M3/H	V8PM15-M3/I	V8PM6-M3/H	V8PM6-M3/I	VSS8D2M10-M3/H
VSS8D2M10-M3/I	VSS8D2M12-M3/H	VSS8D2M12-M3/I	VSS8D2M15-M3/H	VSS8D2M15-M3/I
VSS8D2M6-M3/H	VSS8D2M6-M3/I	VSS8D3M10-M3/H	VSS8D3M10-M3/I	VSS8D3M12-M3/H
VSS8D3M12-M3/I	VSS8D3M15-M3/H	VSS8D3M15-M3/I	VSS8D3M6-M3/H	VSS8D3M6-M3/I
VSS8D5M10-M3/H	VSS8D5M10-M3/I	VSS8D5M12-M3/H	VSS8D5M12-M3/I	VSS8D5M15-M3/H
VSS8D5M15-M3/I	VSS8D5M6-M3/H	VSS8D5M6-M3/I	VSSAF3M10-M3/H	VSSAF3M10-M3/I
VSSAF3M6-M3/H	VSSAF3M6-M3/I	VSSAF5M10-M3/H	VSSAF5M10-M3/I	VSSAF5M12-M3/H
VSSAF5M12-M3/I	VSSAF5M15-M3/H	VSSAF5M15-M3/I	VSSAF5M6-M3/H	VSSAF5M6-M3/I
V10P20-M3/86A	V10P20-M3/87A	V3P6-M3/84A	V3P6-M3/85A	V8P10-M3/86A
V8P10-M3/87A	V8P20-M3/86A	V8P20-M3/87A	V8PM12-M3/86A	V8PM12-M3/87A
VSSA210-E3/5AT	VSSA210-E3/61T	VSSA210-M3/5AT	VSSA210-M3/61T	VSSA310S-E3/5AT
VSSA310S-E3/61T	VSSA310S-M3/5AT	VSSA310S-M3/61T	VSSA36S-M3/5AT	VSSA36S-M3/61T
VSSA3L6S-M3/5AT	VSSA3L6S-M3/61T	VSSAF510-M3/H	VSSAF510-M3/I	VSSAF512-M3/H
VSSAF512-M3/I	VSSAF515-M3/H	VSSAF515-M3/I	VSSAF56-M3/6A	VSSAF56-M3/6B
VSSB310-E3/52T	VSSB310-E3/5BT	VSSB310-M3/52T	VSSB310-M3/5BT	VSSB3L6S-M3/52T



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Product Change Notification



Product Group: DD/Tue Oct 1, 2024/PCN-DD-030-2024-REV-0

VSSB3L6S-M3/5BT	VSSB410S-E3/52T	VSSB410S-E3/5BT	VSSB410S-M3Z/H	VSSB410S-M3/52T
VSSB410S-M3/5BT	VSSB420S-M3/52T	VSSB420S-M3/5BT	VSSC520S-M3/57T	VSSC520S-M3/9AT

Annex 1

1. Additional 8inch in-house wafer:

MBR10100-E3/4W	V20100C-E3/4W	V40M150C-M3/4W	VB20M120C-E3/8W	VB40M120C-E3/8W	VBT30L60C-E3/4W
MBR10100-M3/4W	V20100C-M3/4W	V60100C-E3/4W	VB20M120C-M3/I	VB40M120C-M3/I	VBT30L60C-E3/8W
MBR10100CT-E3/4W	V20100S-E3/4W	V60100C-M3D/P	VB30100C-E3/4W	VB60100C-E3/4W	VBT30L60C-M3/I
MBR10100CT-M3/4W	V20100S-M3/4W	V60100C-M3/4W	VB30100C-E3/8W	VB60100C-E3/8W	VBT4060C-E3/4W
MBR1090-E3/4W	V20100SG-E3/4W	V60120C-E3/4W	VB30100C-M3/4W	VB60100C-M3/4W	VBT4060C-E3/8W
MBR1090-M3/4W	V20100SG-M3/4W	V60120C-M3/4W	VB30100C-M3/8W	VB60100C-M3/8W	VBT4060C-M3/4W
MBR1090CT-E3/4W	V20120C-E3/4W	V60170G-M3/4W	VB30100S-E3/4W	VB60120C-E3/4W	VBT4060C-M3/8W
MBR1090CT-M3/4W	V20120C-M3/4W	V60M120C-M3/4W	VB30100S-E3/8W	VB60120C-E3/8W	VBT5200-E3/4W
MBR20100CT-E3/4W	V20120S-E3/4W	VB10150C-E3/4W	VB30100S-M3/4W	VB60170G-E3/4W	VBT5200-E3/8W
MBR20100CT-M3/4W	V20120S-M3/4W	VB10150C-E3/8W	VB30100S-M3/8W	VB60170G-E3/8W	VBT760-E3/4W
MBR2090CT-E3/4W	V20120SG-E3/4W	VB10150C-M3/4W	VB30100SG-E3/4W	VBT10200C-E3/4W	VBT760-E3/8W
MBR2090CT-M3/4W	V20120SG-M3/4W	VB10150C-M3/8W	VB30100SG-E3/8W	VBT10200C-E3/8W	VF10150C-E3/4W
MBRB10100-E3/4W	V20150C-E3/4W	VB10150S-E3/4W	VB30100SG-M3/4W	VBT1060C-E3/4W	VF10150C-M3/4W
MBRB10100-E3/8W	V20150C-M3/4W	VB10150S-E3/8W	VB30100SG-M3/8W	VBT1060C-E3/8W	VF10150S-E3/4W
MBRB10100-M3/4W	V20150S-E3/4W	VB10150S-M3/4W	VB30120C-E3/4W	VBT1060C-M3/4W	VF10150S-M3/4W
MBRB10100-M3/8W	V20150S-M3/4W	VB10150S-M3/8W	VB30120C-E3/8W	VBT1060C-M3/8W	VF20100C-E3/4W
MBRB10100CT-E3/4W	V20150SG-E3/4W	VB10170C-E3/4W	VB30120S-E3/4W	VBT1080C-E3/4W	VF20100C-M3/4W
MBRB10100CT-E3/8W	V20150SG-M3/4W	VB10170C-E3/8W	VB30120S-E3/8W	VBT1080C-E3/8W	VF20100S-E3/4W
MBRB10100CT-M3/4W	V20M120C-M3/4W	VB10170C-M3/I	VB30120S-M3/4W	VBT1080C-M3/4W	VF20100S-M3/4W
MBRB10100CT-M3/8W	V20M120M-E3/4W	VB20100C-E3/4W	VB30120S-M3/8W	VBT1080C-M3/8W	VF20100SG-E3/4W
MBRB1090-E3/4W	V30100C-E3/4W	VB20100C-E3/8W	VB30120SG-E3/4W	VBT1080S-E3/4W	VF20100SG-M3/4W
MBRB1090-E3/8W	V30100C-M3/4W	VB20100C-M3/4W	VB30120SG-E3/8W	VBT1080S-E3/8W	VF20120C-E3/4W
MBRB1090-M3/4W	V30100S-E3/4W	VB20100C-M3/8W	VB30150C-E3/4W	VBT1080S-M3/4W	VF20120C-M3/4W
MBRB1090-M3/8W	V30100S-M3/4W	VB20100S-E3/4W	VB30150C-E3/8W	VBT1080S-M3/8W	VF20120S-E3/4W
MBRB1090CT-E3/4W	V30100SG-E3/4W	VB20100S-E3/8W	VB30150C-M3/4W	VBT2060C-E3/4W	VF20120S-M3/4W
MBRB1090CT-E3/8W	V30100SG-M3/4W	VB20100S-M3/4W	VB30150C-M3/8W	VBT2060C-E3/8W	VF20120SG-E3/4W
MBRB20100CT-E3/4W	V30120C-E3/4W	VB20100S-M3/8W	VB30200C-E3/4W	VBT2060C-M3/4W	VF20120SG-M3/4W
MBRB20100CT-E3/8W	V30120C-M3/4W	VB20100SG-E3/4W	VB30200C-E3/8W	VBT2060C-M3/8W	VF20150C-E3/4W
MBRB20100CT-M3/4W	V30120S-E3/4W	VB20100SG-E3/8W	VB30M120C-E3/4W	VBT2060G-E3/4W	VF20150C-M3/4W
MBRB20100CT-M3/8W	V30120S-M3/4W	VB20120C-E3/4W	VB30M120C-E3/8W	VBT2060G-E3/8W	VF20150S-E3/4W
MBRB2090CT-E3/4W	V30120SG-E3/4W	VB20120C-E3/8W	VB30M120C-M3/I	VBT2080C-E3/4W	VF20150S-M3/4W
MBRB2090CT-E3/8W	V30120SG-M3/4W	VB20120C-M3/4W	VB40100C-E3/4W	VBT2080C-E3/8W	VF20150SG-E3/4W
MBRB2090CT-M3/4W	V30150C-E3/4W	VB20120C-M3/8W	VB40100C-E3/8W	VBT2080C-M3/4W	VF20150SG-M3/4W
MBRB2090CT-M3/8W	V30150C-M3/4W	VB20120S-E3/4W	VB40100C-M3/4W	VBT2080C-M3/8W	VF20M120C-M3/4W
MBRF10100-E3/4W	V30200C-E3/4W	VB20120S-E3/8W	VB40100C-M3/8W	VBT2080S-E3/4W	VF30100C-E3R/4W
MBRF10100-M3/4W	V30M100M-E3/4W	VB20120SG-E3/4W	VB40100G-E3/4W	VBT2080S-E3/8W	VF30100C-E3/4W
MBRF10100CT-E3/4W	V30M120C-M3/4W	VB20120SG-E3/8W	VB40100G-E3/8W	VBT2080S-M3/4W	VF30100C-M3/4W
MBRF10100CT-M3/4W	V30M120M-E3/4W	VB20120SG-M3/4W	VB40120C-E3Z/I	VBT2080S-M3/8W	VF30100S-E3/4W
MBRF1090-E3/4W	V40100C-E3D/P	VB20120SG-M3/8W	VB40120C-E3/4W	VBT3060C-E3/4W	VF30100S-M3/4W
MBRF1090-M3/4W	V40100C-E3/4W	VB20150C-E3/4W	VB40120C-E3/8W	VBT3060C-E3/8W	VF30100SG-E3/4W
MBRF1090CT-M3/4W	V40100C-M3D/P	VB20150C-E3/8W	VB40120C-M3/4W	VBT3060G-E3/4W	VF30100SG-M3/4W
MBRF20100CT-E3/4W	V40100C-M3/4W	VB20150C-M3/4W	VB40120C-M3/8W	VBT3060G-E3/8W	VF30120C-E3/4W
MBRF20100CT-M3/4W	V40100G-E3/4W	VB20150C-M3/8W	VB40150C-E3/4W	VBT3080C-E3/4W	VF30120C-M3/4W
MBRF2090CT-E3/4W	V40100G-M3/4W	VB20150S-E3/4W	VB40150C-E3/8W	VBT3080C-E3/8W	VF30120S-E3/4W
MBRF2090CT-M3/4W	V40120C-E3/4W	VB20150S-E3/8W	VB40150C-M3/4W	VBT3080C-M3/4W	VF30120S-M3/4W
V10150C-E3/4W	V40120C-M3/4W	VB20150S-M3/4W	VB40150C-M3/8W	VBT3080C-M3/8W	VF30120SG-E3/4W
V10150C-M3/4W	V40150C-E3/4W	VB20150S-M3/8W	VB40170C-E3/4W	VBT3080S-E3/4W	VF30120SG-M3/4W
V10150S-E3/4W	V40150C-M3/4W	VB20150SG-E3/4W	VB40170C-E3/8W	VBT3080S-E3/8W	VF30150C-E3/4W
V10150S-M3/4W	V40170C-M3/4W	VB20150SG-E3/8W	VB40170C-M3/I	VBT3080S-M3/4W	VF30150C-M3/4W
V10170C-M3/4W	V40M120C-M3/4W	VB20M120C-E3/4W	VB40M120C-E3/4W	VBT3080S-M3/8W	VF30200C-E3/4W



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VF30M120C-M3/4W	VFT3060C-M3/4W	VI20150S-E3/4W	VI60100C-E3/P	VT10200C-M3/4W	VX4060C-M3/P
VF40100C-E3R/4W	VFT3060G-E3/4W	VI20150S-M3/4W	VIT10200C-E3/4W	VT1060C-E3/4W	VX40M100C-M3/P
VF40100C-E3/4W	VFT3060G-M3/4W	VI20150SG-E3/4W	VIT1060C-E3/4W	VT1060C-M3/4W	VX40M120C-M3/P
VF40100C-M3R/4W	VFT3080C-E3/4W	VI20150SG-M3/4W	VIT1060C-M3/4W	VT1080C-E3/4W	VX40M60C-M3/P
VF40100C-M3/4W	VFT3080C-M3/4W	VI20M120C-M3/4W	VIT1080C-E3/4W	VT1080C-M3/4W	VX60100C-M3/P
VF40100G-E3/4W	VFT3080S-E3/4W	VI30100C-E3/4W	VIT1080C-M3/4W	VT1080S-E3/4W	VX60100PW-M3/P
VF40100G-M3/4W	VFT3080S-M3/4W	VI30100C-M3/4W	VIT1080S-E3/4W	VT1080S-M3/4W	VX60120C-M3/P
VF40120C-E3/4W	VFT30L60C-E3/4W	VI30100S-E3/4W	VIT1080S-M3/4W	VT2060C-E3/4W	VX6060C-M3/P
VF40120C-M3/4W	VFT30L60C-M3/4W	VI30100S-M3/4W	VIT2060C-E3/4W	VT2060C-M3/4W	VX6060PW-M3/P
VF40150C-E3/4W	VFT4060C-E3/4W	VI30100SG-E3/4W	VIT2060C-M3/4W	VT2060G-E3/4W	VX60M100C-M3/P
VF40150C-M3/4W	VFT4060C-M3/4W	VI30100SG-M3/4W	VIT2060G-E3/4W	VT2060G-M3/4W	VX60M100PW-M3/P
VF40M120C-M3/4W	VFT5200-E3/4W	VI30120C-E3/4W	VIT2060G-M3/4W	VT2080C-E3/4W	VX60M120C-M3/P
VF60100C-M3R/4W	VFT760-E3/4W	VI30120C-M3/4W	VIT2080C-E3/4W	VT2080C-M3/4W	VX60M60C-M3/P
VF60100C-M3/4W	VFT760-M3/4W	VI30120S-E3/4W	VIT2080C-M3/4W	VT2080S-E3/4W	VX60M60PW-M3/P
VF60120C-M3/4W	VI10150C-E3/4W	VI30120S-M3/4W	VIT2080S-E3/4W	VT2080S-M3/4W	VX80100PW-M3/P
VFT10200C-E3/4W	VI10150C-M3/4W	VI30120SG-E3/4W	VIT2080S-M3/4W	VT3060C-E3/4W	VX8060PW-M3/P
VFT1060C-E3/4W	VI10150S-E3/4W	VI30120SG-M3/4W	VIT3060C-E3/4W	VT3060C-M3/4W	VX80M100PW-M3/P
VFT1060C-M3/4W	VI10150S-M3/4W	VI30150C-E3/4W	VIT3060C-M3/4W	VT3060G-E3/4W	VX80M60PW-M3/P
VFT1080C-E3/4W	VI20100C-E3/4W	VI30150C-M3/4W	VIT3060G-E3/4W	VT3060G-M3/4W	V20200C-E3/4W
VFT1080C-M3/4W	VI20100C-M3/4W	VI30200C-E3/4W	VIT3060G-M3/4W	VT3080C-E3/4W	V20200G-E3/4W
VFT1080S-E3/4W	VI20100S-E3/4W	VI30M120C-M3/4W	VIT3080C-E3/4W	VT3080C-M3/4W	VB20200C-E3/4W
VFT1080S-M3/4W	VI20100S-M3/4W	VI40100C-E3D/P	VIT3080C-M3/4W	VT3080S-E3/4W	VB20200C-E3/8W
VFT2060C-E3/4W	VI20100SG-E3/4W	VI40100C-E3/4W	VIT3080S-E3/4W	VT3080S-M3/4W	VB20200G-E3/4W
VFT2060C-M3/4W	VI20100SG-M3/4W	VI40100C-M3D/P	VIT3080S-M3/4W	VT30L60C-E3/4W	VB20200G-E3/8W
VFT2060G-E3/4W	VI20120C-E3/4W	VI40100C-M3/4W	VIT30L60C-E3/4W	VT30L60C-M3/4W	VF20200C-E3/4W
VFT2060G-M3/4W	VI20120C-M3/4W	VI40100G-E3/4W	VIT30L60C-M3/4W	VT4060C-E3/4W	VF20200G-E3/4W
VFT2080C-E3/4W	VI20120S-E3/4W	VI40100G-M3/4W	VIT4060C-E3/4W	VT4060C-M3/4W	VI20200C-E3/4W
VFT2080C-M3R/4W	VI20120S-M3/4W	VI40120C-E3/4W	VIT4060C-M3/4W	VT5200-E3/4W	VI20200G-E3/4W
VFT2080C-M3/4W	VI20120SG-E3/4W	VI40120C-M3/4W	VIT5200-E3/4W	VT760-E3/4W	
VFT2080S-E3/4W	VI20120SG-M3/4W	VI40150C-E3/4W	VIT760-E3/4W	VT760-M3/4W	
VFT2080S-M3/4W	VI20150C-E3/4W	VI40150C-M3/4W	VIT760-M3/4W	VX40100C-M3/P	
VFT3060C-E3/4W	VI20150C-M3/4W	VI40M120C-M3/4W	VT10200C-E3/4W	VX40120C-M3/P	

2. Additional 8inch wafer + top metal change + polyimide coating method change:

V10P20-M3/86A	V8P10-M3/87A	VSSA210-E3/5AT	VSSA310S-E3/61T	VSSA3L6S-M3/5AT	VSSAF512-M3/I
V10P20-M3/87A	V8P20-M3/86A	VSSA210-E3/61T	VSSA310S-M3/5AT	VSSA3L6S-M3/61T	VSSAF515-M3/H
V3P6-M3/84A	V8P20-M3/87A	VSSA210-M3/5AT	VSSA310S-M3/61T	VSSAF510-M3/H	VSSAF515-M3/I
V3P6-M3/85A	V8PM12-M3/86A	VSSA210-M3/61T	VSSA36S-M3/5AT	VSSAF510-M3/I	VSSAF56-M3/6A
V8P10-M3/86A	V8PM12-M3/87A	VSSA310S-E3/5AT	VSSA36S-M3/61T	VSSAF512-M3/H	VSSAF56-M3/6B

3. Additional 8inch wafer + top metal change + polyimide coating method change + additional backend site:

VSSB310-E3/52T	VSSB310-M3/5BT	VSSB410S-E3/52T	VSSB410S-M3/52T	VSSB420S-M3/5BT
VSSB310-E3/5BT	VSSB3L6S-M3/52T	VSSB410S-E3/5BT	VSSB410S-M3/5BT	VSSC520S-M3/57T
VSSB310-M3/52T	VSSB3L6S-M3/5BT	VSSB410S-M3Z/H	VSSB420S-M3/52T	VSSC520S-M3/9AT



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4. Additional 8inch in-house wafer + top metal change:

V10D100C-M3/I	V10PWM10-M3/I	V15P8-M3/86A	V25PN60-M3/87A	V3PM6-M3/I	V8PAM10-M3/I
V10D120C-M3/I	V10PWM10C-M3/I	V15P8-M3/87A	V2P6-M3/H	V40D100C-M3/I	V8PAM10S-M3/H
V10D60C-M3/I	V10PWM12-M3/I	V15PM10-M3/H	V2P6L-M3/H	V40D120C-M3/I	V8PAM10S-M3/I
V10DM100C-M3/I	V10PWM12C-M3/I	V15PM10-M3/I	V2P6L-M3/I	V40D60C-M3/I	V8PAM12-M3/I
V10DM150C-M3/I	V10PWM60-M3/I	V15PM12-M3P/H	V2PM10-M3/H	V40DM100C-M3/I	V8PL6-M3P/H
V10DM60C-M3/I	V10PWM60C-M3/I	V15PM12-M3/H	V2PM10L-M3/H	V40DM120C-M3/I	V8PL6-M3P/I
V10K100C-M3/H	V12P10-M3/86A	V15PM12-M3/I	V2PM10L-M3/I	V40DM150C-M3/I	V8PL6-M3/86A
V10K100C-M3/I	V12P10-M3/87A	V15PM15-M3/H	V2PM12-M3/H	V40DM60C-M3/I	V8PL6-M3/87A
V10K100DU-M3/H	V12P12-M3/86A	V15PM15-M3/I	V2PM12L-M3/H	V40PW10C-M3/I	V8PM10-M3/H
V10K100DU-M3/I	V12P12-M3/87A	V15PM6-M3/H	V2PM12L-M3/I	V40PW12C-M3/I	V8PM10-M3/I
V10K120C-M3/H	V12P15-M3/H	V15PM6-M3/I	V2PM15-M3/H	V40PW15C-M3/I	V8PM10S-M3/H
V10K120C-M3/I	V12P15-M3/I	V1P6-M3/H	V2PM15L-M3/H	V40PW60C-M3/I	V8PM10S-M3/I
V10K150C-M3/H	V12P6-M3/86A	V1PM10-M3/H	V2PM15L-M3/I	V40PWM10C-M3/I	V8PM15-M3/H
V10K150C-M3/I	V12P6-M3/87A	V1PM12-M3/H	V2PM6L-M3/H	V40PWM12C-M3/I	V8PM15-M3/I
V10K60C-M3/H	V12P8-M3/86A	V1PM15-M3/H	V2PM6L-M3/I	V40PWM15C-M3/I	V8PM6-M3/H
V10K60C-M3/I	V12P8-M3/87A	V20D100C-M3/I	V30D100C-M3/I	V40PWM60C-M3/I	V8PM6-M3/I
V10K60DU-M3/H	V12PM10-M3/H	V20D60C-M3/I	V30D60C-M3/I	V60D100C-M3/I	VSS8D2M10-M3/H
V10K60DU-M3/I	V12PM10-M3/I	V20DM100C-M3/I	V30D60CL-M3/I	V60D120C-M3/I	VSS8D2M10-M3/I
V10KM100C-M3/H	V12PM12-01M3P/86A	V20DM120-M3/I	V30DM100C-M3/I	V60D60C-M3/I	VSS8D2M12-M3/H
V10KM100C-M3/I	V12PM12-M3/86A	V20DM120C-M3/I	V30DM120-M3/I	V60DM100C-M3/I	VSS8D2M12-M3/I
V10KM120C-M3/H	V12PM12-M3/87A	V20DM150C-M3/I	V30DM120C-M3/I	V60DM120C-M3/I	VSS8D2M15-M3/H
V10KM120C-M3/I	V12PM15-M3/H	V20DM60C-M3/I	V30DM150C-M3/I	V60DM60C-M3/I	VSS8D2M15-M3/I
V10KM120DU-M3/H	V12PM15-M3/I	V20K150-M3/H	V30DM60CL-M3/I	V6K100DU-M3/H	VSS8D2M6-M3/H
V10KM120DU-M3/I	V12PM6-M3/H	V20K150-M3/I	V30K150-01M3/IE	V6K100DU-M3/I	VSS8D2M6-M3/I
V10KM150C-M3/H	V12PM6-M3/I	V20K60-M3/H	V30K150-M3/H	V6KM120DU-M3/H	VSS8D3M10-M3/H
V10KM150C-M3/I	V15K100C-M3/H	V20K60-M3/I	V30K150-M3/I	V6KM120DU-M3/I	VSS8D3M10-M3/I
V10KM60C-M3/H	V15K100C-M3/I	V20KM100-M3/H	V30K60-M3/H	V6PW10-M3/I	VSS8D3M12-M3/H
V10KM60C-M3/I	V15K120C-M3/H	V20KM100-M3/I	V30K60-M3/I	V6PW10C-M3/I	VSS8D3M12-M3/I
V10P10-M3C/H	V15K120C-M3/I	V20KM120-M3/H	V30KM100-M3/H	V6PW12-M3/I	VSS8D3M15-M3/H
V10P10-M3/86A	V15K150C-M3/H	V20KM120-M3/I	V30KM100-M3/I	V6PW12C-M3/I	VSS8D3M15-M3/I
V10P10-M3/87A	V15K150C-M3/I	V20KM60-M3/H	V30KM120-01M3/IE	V6PW60-M3/I	VSS8D3M6-M3/H
V10P12-M3/86A	V15K60C-M3/H	V20KM60-M3/I	V30KM120-M3/H	V6PW60C-M3/I	VSS8D3M6-M3/I
V10P12-M3/87A	V15K60C-M3/I	V20PL60-M3/86A	V30KM120-M3/I	V6PWM10-M3/I	VSS8D5M10-M3/H
V10P15-M3/H	V15KM100C-M3/H	V20PL60-M3/87A	V30KM60-M3/H	V6PWM10C-M3/I	VSS8D5M10-M3/I
V10P15-M3/I	V15KM100C-M3/I	V20PW10-M3/I	V30KM60-M3/I	V6PWM12-M3/I	VSS8D5M12-M3/H
V10P6-M3/86A	V15KM120C-M3/H	V20PW10C-M3/I	V35DM120-M3/I	V6PWM12C-M3/I	VSS8D5M12-M3/I
V10P6-M3/87A	V15KM120C-M3/I	V20PW12-M3/I	V35PW10-M3/I	V6PWM60-M3/I	VSS8D5M15-M3/H
V10P8-M3/86A	V15KM150C-M3/H	V20PW12C-M3/I	V35PW12-M3/I	V6PWM60C-M3/I	VSS8D5M15-M3/I
V10P8-M3/87A	V15KM150C-M3/I	V20PW15-M3/I	V35PW15-M3/I	V8KM60DU-M3/H	VSS8D5M6-M3/H
V10PM10-M3/H	V15KM60C-M3/H	V20PW15C-M3/I	V35PW60-M3/I	V8KM60DU-M3/I	VSS8D5M6-M3/I
V10PM10-M3/I	V15KM60C-M3/I	V20PW60-M3/I	V35PWM10-M3/I	V8P12-M3/86A	VSSAF3M10-M3/H
V10PM12-M3/86A	V15P10-M3C/H	V20PW60C-M3/I	V35PWM12-M3/I	V8P12-M3/87A	VSSAF3M10-M3/I
V10PM12-M3/87A	V15P10-M3C/I	V20PWM10-M3/I	V35PWM15-M3/I	V8P15-M3/H	VSSAF3M6-M3/H
V10PM15-M3/H	V15P10-M3P/H	V20PWM10C-M3/I	V35PWM60-M3/I	V8P15-M3/I	VSSAF3M6-M3/I
V10PM15-M3/I	V15P10-M3/H	V20PWM12-M3/I	V3P6L-M3/H	V8P6-M3C/H	VSSAF5M10-M3/H
V10PM6-M3/H	V15P10-M3/I	V20PWM12C-M3/I	V3P6L-M3/I	V8P6-M3/86A	VSSAF5M10-M3/I
V10PM6-M3/I	V15P12-M3/H	V20PWM15-M3/I	V3PM10-M3/H	V8P6-M3/87A	VSSAF5M12-M3/H
V10PW10-M3/I	V15P12-M3/I	V20PWM15C-M3/I	V3PM10-M3/I	V8P8-M3/86A	VSSAF5M12-M3/I
V10PW10C-M3/I	V15P15-M3C/H	V20PWM60-M3/I	V3PM12-M3/H	V8P8-M3/87A	VSSAF5M15-M3/H
V10PW12-M3/I	V15P15-M3/H	V20PWM60C-M3/I	V3PM12-M3/I	V8PA10-M3/I	VSSAF5M15-M3/I
V10PW12C-M3/I	V15P15-M3/I	V25PL60-M3/86A	V3PM15-M3/H	V8PA12-M3/I	VSSAF5M6-M3/H
V10PW60-M3/I	V15P6-M3/86A	V25PL60-M3/87A	V3PM15-M3/I	V8PA15-M3/I	VSSAF5M6-M3/I
V10PW60C-M3/I	V15P6-M3/87A	V25PN60-M3/86A	V3PM6-M3/H	V8PA6-M3/I	