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New Manufacturing Location of GBL Bridge Rectifier

For further information, please contact your regional Vishay office.

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Description of Change: Diodes Division is introducing a new manufacturing site of GBL Bridge Rectifier product at existing subcontractor in Sichuan China. This subcontractor is already manufacturing Vishay GBU and GSIB5S products for many years.

Detail package comparison table of an old version vs. new version is as illustrated in annex 1.

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: Discontinuation of existing supplier

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: Wed Aug 2, 2023

Sample Availability: Available upon request

Product Identification: Product manufactured at new location will be marked "L" next to the date code (xxxxL) of device marking for identification.

Qualification Data: Available upon request

This PCN is considered approved, without further notification, unless we receive specific customer concerns before Mon Oct 2, 2023 or as specified by contract.

Issued By: Jill Li, Jill.Li@Vishay.com



Product Change Notification



Product Group: DD/Wed Aug 2, 2023/PCN-DD-021-2023-REV-0

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GBL005-E3/45	GBL005-E3/51	GBL005-M3/45	GBL005-M3/51	GBL01-E3/45
GBL01-E3/51	GBL01-M3/45	GBL01-M3/51	GBL02-E3/45	GBL02-E3/51
GBL02-M3/45	GBL02-M3/51	GBL04-E3/45	GBL04-E3/51	GBL04-M3/45
GBL04-M3/51	GBL06-E3/45	GBL06-E3/51	GBL06-E3D/P	GBL06-M3/45
GBL06-M3/51	GBL08-01M3/P	GBL08-E3/45	GBL08-E3/51	GBL08-E3D/P
GBL08-M3/45	GBL08-M3/51	GBL08-M3D/P	GBL10-01M3/P	GBL10-E3/45
GBL10-E3/51	GBL10-M3/45	GBL10-M3/51	GBLA005-E3/45	GBLA005-E3/51
GBLA005-M3/45	GBLA005-M3/51	GBLA01-E3/45	GBLA01-E3/51	GBLA01-M3/45
GBLA01-M3/51	GBLA02-E3/45	GBLA02-E3/51	GBLA02-M3/45	GBLA02-M3/51
GBLA04-E3/45	GBLA04-E3/51	GBLA04-M3/45	GBLA04-M3/51	GBLA06-E3/45
GBLA06-E3/51	GBLA06-E3D/P	GBLA06-M3/45	GBLA06-M3/51	GBLA08-E3/45
GBLA08-E3/51	GBLA08-M3/45	GBLA08-M3/51	GBLA10-E3/45	GBLA10-E3/51
GBLA10-E3D/P	GBLA10-M3/45	GBLA10-M3/51		

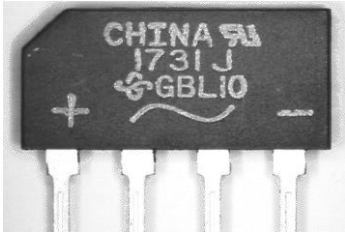

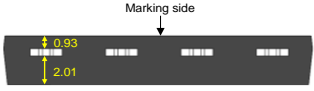
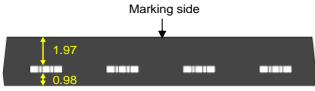
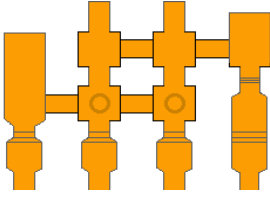
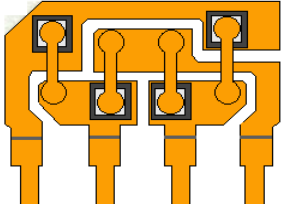


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Annex 1

All involved changes are summarized in below table:

Description	Old version GBL	New version GBL
Assembly method	Manual	Automatic
Encapsulation Compound	UL File# E223871 meet 94-V0	UL File# E302746 meet 94-V0
Marking Method	UV Ink 	Laser 
Package Outline (Lead to the back side body distance change)		
Lead Frame Structure		



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Part Number List

Existing Part Number	Replacement Part Number	Existing Part Number	Replacement Part Number
GBL005-E3/45	GBL005E-E3/P	GBL10-M3/51	GBL10E-E3/A
GBL005-E3/51	GBL005E-E3/A	GBLA005-E3/45	GBL005E-E3/P
GBL005-M3/45	GBL005E-E3/P	GBLA005-E3/51	GBL005E-E3/A
GBL005-M3/51	GBL005E-E3/A	GBLA005-M3/45	GBL005E-E3/P
GBL01-E3/45	GBL01E-E3/P	GBLA005-M3/51	GBL005E-E3/A
GBL01-E3/51	GBL01E-E3/A	GBLA01-E3/45	GBL01E-E3/P
GBL01-M3/45	GBL01E-E3/P	GBLA01-E3/51	GBL01E-E3/A
GBL01-M3/51	GBL01E-E3/A	GBLA01-M3/45	GBL01E-E3/P
GBL02-E3/45	GBL02E-E3/P	GBLA01-M3/51	GBL01E-E3/A
GBL02-E3/51	GBL02E-E3/A	GBLA02-E3/45	GBL02E-E3/P
GBL02-M3/45	GBL02E-E3/P	GBLA02-E3/51	GBL02E-E3/A
GBL02-M3/51	GBL02E-E3/A	GBLA02-M3/45	GBL02E-E3/P
GBL04-E3/45	GBL04E-E3/P	GBLA02-M3/51	GBL02E-E3/A
GBL04-E3/51	GBL04E-E3/A	GBLA04-E3/45	GBL04E-E3/P
GBL04-M3/45	GBL04E-E3/P	GBLA04-E3/51	GBL04E-E3/A
GBL04-M3/51	GBL04E-E3/A	GBLA04-M3/45	GBL04E-E3/P
GBL06-E3/45	GBL06E-E3/P	GBLA04-M3/51	GBL04E-E3/A
GBL06-E3/51	GBL06E-E3/A	GBLA06-E3/45	GBL06E-E3/P
GBL06-E3D/P	GBL06E-E3D/P	GBLA06-E3/51	GBL06E-E3/A
GBL06-M3/45	GBL06E-E3/P	GBLA06-E3D/P	GBL06E-E3D/P
GBL06-M3/51	GBL06E-E3/A	GBLA06-M3/45	GBL06E-E3/P
GBL08-01M3/P	GBL08E-01E3/P	GBLA06-M3/51	GBL06E-E3/A
GBL08-E3/45	GBL08E-E3/P	GBLA08-E3/45	GBL08E-E3/P
GBL08-E3/51	GBL08E-E3/A	GBLA08-E3/51	GBL08E-E3/A
GBL08-E3D/P	GBL08E-E3D/P	GBLA08-M3/45	GBL08E-E3/P
GBL08-M3/45	GBL08E-E3/P	GBLA08-M3/51	GBL08E-E3/A
GBL08-M3/51	GBL08E-E3/A	GBLA10-E3/45	GBL10E-E3/P
GBL08-M3D/P	GBL08E-E3D/P	GBLA10-E3/51	GBL10E-E3/A
GBL10-01M3/P	GBL10E-01E3/P	GBLA10-E3D/P	GBL10E-E3D/P
GBL10-E3/45	GBL10E-E3/P	GBLA10-M3/45	GBL10E-E3/P
GBL10-E3/51	GBL10E-E3/A	GBLA10-M3/51	GBL10E-E3/A
GBL10-M3/45	GBL10E-E3/P		