



130 W Cochran St, Unit B
Simi Valley, CA 93065
Tel:818-701-4933

Process Change Notification

Sep-1st-2011

Title: MCC developed a new silicon wafer fab source for zeners

PCN#: 090111

Planned Effective Date Code :1151

Reliability Data: Available per individual request

Samples contact: Sales@mccsemi.com

For question concerning this notification: techsupport@mccsemi.com

Notification Type:

Final Process/Product Change Notification(FPCN)

Final change notification sent to customers. PCNs are issued at least 60 days prior to implementation of the change.

MCC will consider this change approved unless specific conditions of acceptance are provided in writing within 30 days of receipt of this notice. To do so, contact techsupport@mccsemi.com



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Description and purpose :

To enhance the supply chain and expand product offerings and capacity, MCC have developed a new silicon wafer fab source for zeners with zener voltage 6.2V and above.

Internal qualification process had been finished and the result showed that the parts with new die had the same performances as the parts we shipped before. To distinguish the different die source, MCC will add a dot or line code on body for the parts with new die.

For any concern about this PCN, pls feel free to contact your local sales representative or us directly via above E-mail address.

Qualification Data and summary:

Devices were randomly selected by different power ratings.

Qualification Test Result:

Test	Condition	Interval	Results
HTRB	Ta=125°C, Rated Vr,	1000 Hrs	0/22
OP	Ta=25°C, Rated IF	1000 Hrs	0/22
PCT	Ta=121°C, 100%RH, 15psig	96 Hrs	0/22
TC	-55°C~+150°C	1000 Cycles	0/22
Resistance to solder heat	260°C for 10s		0/10
Solderability	245°C for 5s		0/10

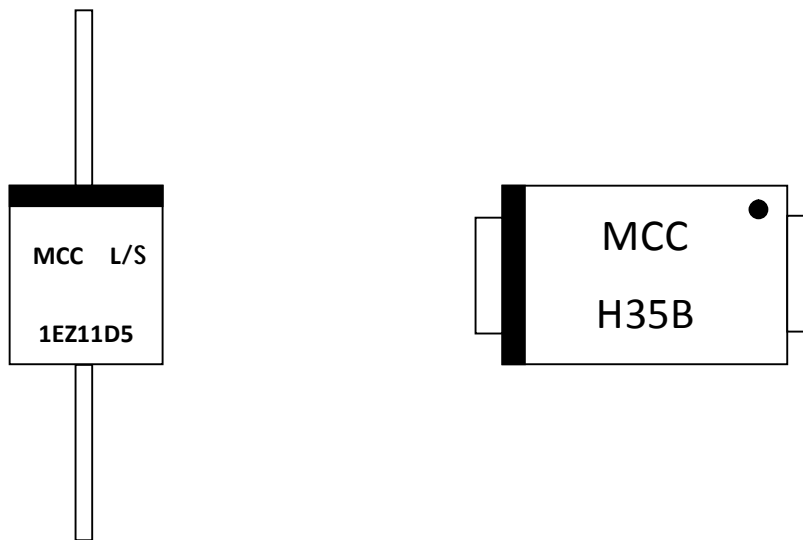


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Changed Part Identification:

Devices with new die , identified with dot on body for SMD laser marking type and line code for Axial ink marking, see below for example:



Affected Parts List:

1N5341B-TP(BP)	1N5351B-TP(BP)	1N5361B-TP(BP)	1N5371B-TP(BP)	1N5381B-TP(BP)	1N5922BP-TP(BP)
1N5342B-TP(BP)	1N5352B-TP(BP)	1N5362B-TP(BP)	1N5372B-TP(BP)	1N5382B-TP(BP)	1N5923BP-TP(BP)
1N5343B-TP(BP)	1N5353B-TP(BP)	1N5363B-TP(BP)	1N5373B-TP(BP)	1N5383B-TP(BP)	1N5924BP-TP(BP)
1N5344B-TP(BP)	1N5354B-TP(BP)	1N5364B-TP(BP)	1N5374B-TP(BP)	1N5384B-TP(BP)	1N5925BP-TP(BP)
1N5345B-TP(BP)	1N5355B-TP(BP)	1N5365B-TP(BP)	1N5375B-TP(BP)	1N5385B-TP(BP)	1N5926BP-TP(BP)
1N5346B-TP(BP)	1N5356B-TP(BP)	1N5366B-TP(BP)	1N5376B-TP(BP)	1N5386B-TP(BP)	1N5927BP-TP(BP)
1N5347B-TP(BP)	1N5357B-TP(BP)	1N5367B-TP(BP)	1N5377B-TP(BP)	1N5387B-TP(BP)	1N5928BP-TP(BP)
1N5348B-TP(BP)	1N5358B-TP(BP)	1N5368B-TP(BP)	1N5378B-TP(BP)	1N5388B-TP(BP)	1N5929BP-TP(BP)
1N5349B-TP(BP)	1N5359B-TP(BP)	1N5369B-TP(BP)	1N5379B-TP(BP)	1N5920BP-TP(BP)	1N5930BP-TP(BP)
1N5350B-TP(BP)	1N5360B-TP(BP)	1N5370B-TP(BP)	1N5380B-TP(BP)	1N5921BP-TP(BP)	1N5931BP-TP(BP)



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1N5932BP-TP(BP)	1N5926B3P-TP(BP)	1N5956B3P-TP(BP)	2EZ11D5-TP(BP)	3EZ10D5-TP(BP)	SMAZ9V1-TP
1N5933BP-TP(BP)	1N5927B3P-TP(BP)	1EZ6.2D5-TP(BP)	2EZ12D5-TP(BP)	3EZ11D5-TP(BP)	SMAZ10-TP
1N5934BP-TP(BP)	1N5928B3P-TP(BP)	1EZ6.8D5-TP(BP)	2EZ13D5-TP(BP)	3EZ12D5-TP(BP)	SMAZ12-TP
1N5935BP-TP(BP)	1N5929B3P-TP(BP)	1EZ7.5D5-TP(BP)	2EZ14D5-TP(BP)	3EZ13D5-TP(BP)	SMAZ15-TP
1N5936BP-TP(BP)	1N5930B3P-TP(BP)	1EZ8.2D5-TP(BP)	2EZ15D5-TP(BP)	3EZ14D5-TP(BP)	SMAZ16-TP
1N5937BP-TP(BP)	1N5931B3P-TP(BP)	1EZ9.1D5-TP(BP)	2EZ16D5-TP(BP)	3EZ15D5-TP(BP)	SMAZ18-TP
1N5938BP-TP(BP)	1N5932B3P-TP(BP)	1EZ10D5-TP(BP)	2EZ17D5-TP(BP)	3EZ16D5-TP(BP)	SMAZ20-TP
1N5939BP-TP(BP)	1N5933B3P-TP(BP)	1EZ11D5-TP(BP)	2EZ18D5-TP(BP)	3EZ17D5-TP(BP)	SMAZ22-TP
1N5940BP-TP(BP)	1N5934B3P-TP(BP)	1EZ12D5-TP(BP)	2EZ19D5-TP(BP)	3EZ18D5-TP(BP)	SMAZ24-TP
1N5941BP-TP(BP)	1N5935B3P-TP(BP)	1EZ13D5-TP(BP)	2EZ20D5-TP(BP)	3EZ19D5-TP(BP)	SMAZ27-TP
1N5942BP-TP(BP)	1N5936B3P-TP(BP)	1EZ14D5-TP(BP)	2EZ22D5-TP(BP)	3EZ20D5-TP(BP)	SMAZ30-TP
1N5943BP-TP(BP)	1N5937B3P-TP(BP)	1EZ15D5-TP(BP)	2EZ24D5-TP(BP)	3EZ22D5-TP(BP)	SMAZ33-TP
1N5944BP-TP(BP)	1N5938B3P-TP(BP)	1EZ16D5-TP(BP)	2EZ27D5-TP(BP)	3EZ24D5-TP(BP)	SMAZ36-TP
1N5945BP-TP(BP)	1N5939B3P-TP(BP)	1EZ17D5-TP(BP)	2EZ28D5-TP(BP)	3EZ27D5-TP(BP)	SMAZ39-TP
1N5946BP-TP(BP)	1N5940B3P-TP(BP)	1EZ18D5-TP(BP)	2EZ30D5-TP(BP)	3EZ28D5-TP(BP)	SMA5C6V2-TP
1N5947BP-TP(BP)	1N5941B3P-TP(BP)	1EZ19D5-TP(BP)	2EZ33D5-TP(BP)	3EZ30D5-TP(BP)	SMA5C6V8-TP
1N5948BP-TP(BP)	1N5942B3P-TP(BP)	1EZ20D5-TP(BP)	2EZ36D5-TP(BP)	3EZ33D5-TP(BP)	SMA5C7V5-TP
1N5949BP-TP(BP)	1N5943B3P-TP(BP)	1EZ22D5-TP(BP)	2EZ39D5-TP(BP)	3EZ36D5-TP(BP)	SMA5C8V2-TP
1N5950BP-TP(BP)	1N5944B3P-TP(BP)	1EZ24D5-TP(BP)	2EZ43D5-TP(BP)	3EZ39D5-TP(BP)	SMA5C9V1-TP
1N5951BP-TP(BP)	1N5945B3P-TP(BP)	1EZ27D5-TP(BP)	2EZ47D5-TP(BP)	3EZ43D5-TP(BP)	SMA5C10-TP
1N5952BP-TP(BP)	1N5946B3P-TP(BP)	1EZ30D5-TP(BP)	2EZ51D5-TP(BP)	3EZ47D5-TP(BP)	SMA5C11-TP
1N5953BP-TP(BP)	1N5947B3P-TP(BP)	1EZ33D5-TP(BP)	2EZ56D5-TP(BP)	3EZ51D5-TP(BP)	SMA5C12-TP
1N5954BP-TP(BP)	1N5948B3P-TP(BP)	1EZ36D5-TP(BP)	2EZ62D5-TP(BP)	3EZ56D5-TP(BP)	SMA5C13-TP
1N5955BP-TP(BP)	1N5949B3P-TP(BP)	1EZ39D5-TP(BP)	2EZ68D5-TP(BP)	3EZ62D5-TP(BP)	SMA5C15-TP
1N5956BP-TP(BP)	1N5950B3P-TP(BP)	2EZ6.2D5-TP(BP)	2EZ75D5-TP(BP)	3EZ68D5-TP(BP)	SMA5C16-TP
1N5920B3P-TP(BP)	1N5951B3P-TP(BP)	2EZ6.8D5-TP(BP)	3EZ6.2D5-TP(BP)	3EZ75D5-TP(BP)	SMA5C18-TP
1N5921B3P-TP(BP)	1N5952B3P-TP(BP)	2EZ7.5D5-TP(BP)	3EZ6.8D5-TP(BP)	SMAZ6V2-TP	SMA5C20-TP
1N5922B3P-TP(BP)	1N5953B3P-TP(BP)	2EZ8.2D5-TP(BP)	3EZ7.5D5-TP(BP)	SMAZ6V8-TP	SMA5C22-TP
1N5924B3P-TP(BP)	1N5954B3P-TP(BP)	2EZ9.1D5-TP(BP)	3EZ8.2D5-TP(BP)	SMAZ7V5-TP	SMA5C24-TP
1N5925B3P-TP(BP)	1N5955B3P-TP(BP)	2EZ10D5-TP(BP)	3EZ9.1D5-TP(BP)	SMAZ8V2-TP	SMA5C27-TP



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SMA5C30-TP	SMA2EZ18D5-TP	SMAJ4747A-TP	SMAJ5932B-TP	3SMAJ5925B-TP	3SMAJ5955B-TP
SMA5C33-TP	SMA2EZ19D5-TP	SMAJ4748A-TP	SMAJ5933B-TP	3SMAJ5926B-TP	3SMAJ5956B-TP
SMA5C36-TP	SMA2EZ20D5-TP	SMAJ4749A-TP	SMAJ5934B-TP	3SMAJ5927B-TP	SMB2EZ6.2D5-TP
SMA5C39-TP	SMA2EZ22D5-TP	SMAJ4750A-TP	SMAJ5935B-TP	3SMAJ5928B-TP	SMB2EZ6.8D5-TP
SMA1EZ110D5-TP	SMA2EZ24D5-TP	SMAJ4751A-TP	SMAJ5936B-TP	3SMAJ5929B-TP	SMB2EZ7.5D5-TP
SMA1EZ120D5-TP	SMA2EZ27D5-TP	SMAJ4752A-TP	SMAJ5937B-TP	3SMAJ5930B-TP	SMB2EZ8.2D5-TP
SMA1EZ130D5-TP	SMA2EZ28D5-TP	SMAJ4753A-TP	SMAJ5938B-TP	3SMAJ5931B-TP	SMB2EZ9.1D5-TP
SMA1EZ150D5-TP	SMA2EZ30D5-TP	SMAJ4754A-TP	SMAJ5939B-TP	3SMAJ5932B-TP	SMB2EZ10D5-TP
SMA1EZ160D5-TP	SMA2EZ33D5-TP	SMAJ4755A-TP	SMAJ5940B-TP	3SMAJ5933B-TP	SMB2EZ11D5-TP
SMA1EZ180D5-TP	SMA2EZ36D5-TP	SMAJ4756A-TP	SMAJ5941B-TP	3SMAJ5934B-TP	SMB2EZ12D5-TP
SMA1EZ200D5-TP	SMA2EZ39D5-TP	SMAJ4757A-TP	SMAJ5942B-TP	3SMAJ5935B-TP	SMB2EZ13D5-TP
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SMA2EZ17D5-TP	SMAJ4746A-TP	SMAJ5931B-TP	3SMAJ5924B-TP	3SMAJ5954B-TP	SMB2EZ56D5-TP



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SMB2EZ62D5-TP	SMBJ5359B-TP	SMBJ5380B-TP	SMBJ5932B-TP	SMBJ5953B-TP	3SMBJ5937B-TP
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