



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

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## Process Change Notification

Aug-1<sup>st</sup>-2015

**Title:** MCC Introduces Auto-Soldering Process For DB-1&SDB-1 Package

**PCN#:** 080115-2

**Planned Effective Date Code :**1536

**Reliability Data:** Available per individual request

**Samples contact:** [Sales@mccsemi.com](mailto:Sales@mccsemi.com)

**For question concerning this notification:** [techsupport@mccsemi.com](mailto:techsupport@mccsemi.com)

**Notification Type:**

Final Process/Product Change Notification(FPCN)

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](mailto:techsupport@mccsemi.com)



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**Description and purpose :**

To enhance the efficiency and yield of soldering process, MCC added auto soldering line for DB-1 and SDB-1 packages, die size and outline will keep the same.

Internal qualification process had been finished and the result showed that the parts with new auto soldering process had the same performances as the parts we shipped before. To better track the parts with auto soldering process, MCC will add one dot on body for the parts with new process.

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:**

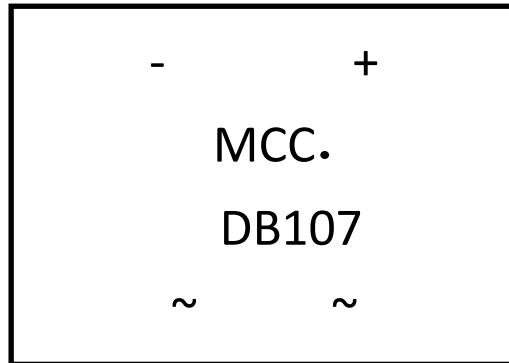
Test	Condition	Interval	Results
HTRB	Ta=125°C, Rated Vr,	1000 Hrs	0/22
OP	Ta=25°C, Rated IF	1000 Hrs	0/22
PCT	Ta=121°C, 100%RH, 15psig	96 Hrs	0/22
TC	-55°C~+150°C	1000 Cycles	0/22
Resistance to solder heat	260°C for 10s		0/10
Solderability	245°C for 5s		0/10



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**Auto Soldering Process Part Identification:**

Devices with new process , identified with one dot on body ,see below for example:



**Affected Parts List:**

DB101-BP	DB154-BP	SDB101-TP/BP	SDB155-TP/BP
DB102-BP	DB155-BP	SDB102-TP/BP	SDB156-TP/BP
DB103-BP	DB156-BP	SDB103-TP/BP	SDB157-TP/BP
DB104-BP	DB157-BP	SDB104-TP/BP	SDB201-TP/BP
DB105-BP	DB201-BP	SDB105-TP/BP	SDB202-TP/BP
DB106-BP	DB202-BP	SDB106-TP/BP	SDB203-TP/BP
DB107-BP	DB203-BP	SDB107-TP/BP	SDB204-TP/BP
DB107-BPS01	DB204-BP	SDB151-TP/BP	SDB205-TP/BP
DB151-BP	DB205-BP	SDB152-TP/BP	SDB206-TP/BP
DB152-BP	DB206-BP	SDB153-TP/BP	SDB207-TP/BP
DB153-BP	DB207-BP	SDB154-TP/BP	