



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

Process Change Notification

Jan-1st-2021

Title: MCC Introduces Auto-Assembly Process For SM4FXXA Series

PCN#: 010121-1

Planned Effective Date Code :2101

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)

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 efficiency and yield of soldering process, MCC added auto soldering line for SM4FXXA series, 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 revise the cathode band design 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:

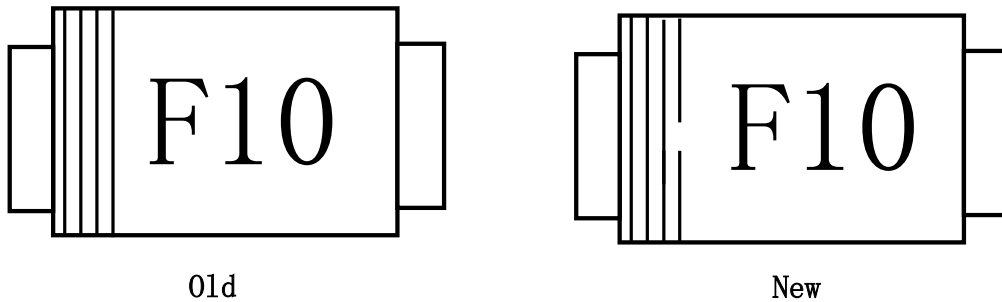
Devices were randomly selected by different power ratings.

Qualification Test Result:

Test	Condition	Interval	Results
HTRB	Ta=150°C, 80% Vbr,	1000 Hrs	0/22
VC	Ta=25°C, Rated IPP		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

Changed Part Identification:

Devices with new process , identified with cathode band new design,see below for example:



Affected Parts List:

SM4F5.0A-TP	SM4F6.0A-TP	SM4F6.5A-TP	SM4F7.0A-TP
SM4F7.5A-TP	SM4F8.0A-TP	SM4F8.5A-TP	SM4F9.0A-TP
SM4F10A-TP	SM4F11A-TP	SM4F12A-TP	SM4F13A-TP
SM4F14A-TP	SM4F15A-TP	SM4F16A-TP	SM4F17A-TP
SM4F18A-TP	SM4F19A-TP	SM4F20A-TP	SM4F22A-TP
SM4F24A-TP	SM4F26A-TP	SM4F28A-TP	SM4F30A-TP
SM4F33A-TP	SM4F36A-TP	SM4F40A-TP	SM4F43A-TP
SM4F45A-TP	SM4F48A-TP	SM4F51A-TP	SM4F54A-TP
SM4F58A-TP	SM4F60A-TP	SM4F64A-TP	SM4F70A-TP
SM4F75A-TP	SM4F78A-TP	SM4F85A-TP	