



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 SMA&SMB&SMC Packages

**PCN#:** 080115-3

**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 SMA&SMB&SMC 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 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=100°C and 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

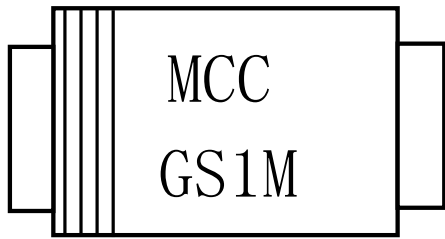


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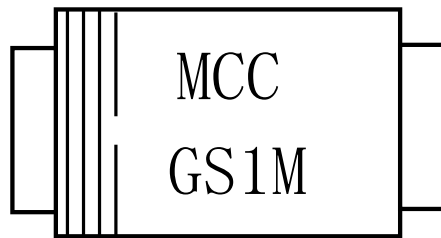
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**Changed Part Identification:**

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



Old



New

**Affected Parts List:**

ER1A-LTP	FR1M-LTP	GS2K-LTP	S8KL-TP	SK42L-TP	SMLJ60S4-TP
ER1B-LTP	FR2A-LTP	GS2M-LTP	S8ML-TP	SK43BL-TP	SMLJ60S6-TP
ER1D-LTP	FR2B-LTP	S10AL-TP	SK110-LTP	SK43L-TP	SMLJ60S8-TP
ER1G-LTP	FR2D-LTP	S10BL-TP	SK110-LTPS01	SK44BL-TP	SS110-LTP
ER1J-LTP	FR2G-LTP	S10DL-TP	SK1150-LTP	SK44L-TP	SS1150-LTP
ER1Q-LTP	FR2J-LTP	S10GL-TP	SK1200-LTP	SK510A-LTP	SS1200-LTP
ER2A-LTP	FR2K-LTP	S10JL-TP	SK12-LTP	SK510B-LTP	SS12-LTP
ER2B-LTP	FR2M-LTP	S10KL-TP	SK13-LTP	SK510L-TP	SS13-LTP
ER2D-LTP	FR3AB-TP	S10ML-TP	SK14-LTP	SK5150B-LTP	SS14-LTP
ER2G-LTP	FR3A-TP	S1A-LTP	SK15-LTP	SK5150L-TP	SS15-LTP
ER2J-LTP	FR3BB-TP	S1B-LTP	SK16-LTP	SK5200L-TP	SS16-LTP
ER3AB-TP	FR3B-TP	S1D-LTP	SK18-LTP	SK520B-LTP	SS18-LTP
ER3A-TP	FR3DB-TP	S1G-LTP	SK210-LTP	SK52A-LTP	SS210-LTP
ER3BB-TP	FR3D-TP	S1J-LTP	SK2150-LTP	SK52B-LTP	SS2150-LTP
ER3B-TP	FR3GB-TP	S1K-LTP	SK220-LTP	SK52L-TP	SS220-LTP



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**Affected Parts List(Cont'd):**

ER3CB-TP	FR3G-TP	S1M-LTP	SK22-LTP	SK53A-LTP	SS22-LTP
ER3C-TP	FR3JB-TP	S2A-LTP	SK23-LTP	SK53B-LTP	SS23-LTP
ER3DB-TP	FR3J-TP	S2B-LTP	SK24-LTP	SK53L-TP	SS24-LTP
ER3D-TP	FR3KB-TP	S2D-LTP	SK25-LTP	SK54A-LTP	SS24-LTPS05
ER3GB-TP	FR3K-TP	S2G-LTP	SK26-LTP	SK54B-LTP	SS25-LTP
ER3G-TP	FR3MB-TP	S2J-LTP	SK28-LTP	SK54L-TP	SS26-LTP
ER3JB-TP	FR3M-TP	S2K-LTP	SK310A-LTP	SK55A-LTP	SS28-LTP
ER3J-TP	FS1A-LTP	S2M-LTP	SK310B-LTP	SK55B-LTP	UF1A-TP
ER3KB-TP	FS1B-LTP	S3AB-TP	SK310-TP	SK55L-TP	UF1B-TP
ER3K-TP	FS1D-LTP	S3A-TP	SK3150A-LTP	SK56A-LTP	UF1D-TP
ER3MB-TP	FS1G-LTP	S3BB-TP	SK3150B-LTP	SK56B-LTP	UF1G-TP
ER3M-TP	FS1J-LTP	S3B-TP	SK3150-TP	SK56L-TP	UF1J-TP
ER5A-TP	FS1K-LTP	S3DB-TP	SK3200B-LTP	SK58A-LTP	UF1K-TP
ER5B-TP	FS1M-LTP	S3D-TP	SK3200-TP	SK58B-LTP	UF1M-TP
ER5C-TP	FS2A-LTP	S3GB-TP	SK32A-LTP	SK58L-TP	US1A-TP
ER5D-TP	FS2B-LTP	S3G-TP	SK32B-LTP	SK610L-TP	US1B-TP
ER5G-TP	FS2D-LTP	S3JB-TP	SK32-TP	SK62L-TP	US1C-TP
ER5J-TP	FS2G-LTP	S3J-TP	SK33A-LTP	SK63L-TP	US1D-TP
ES1A-LTP	FS2J-LTP	S3KB-TP	SK33B-LTP	SK645L-TP	US1G-TP
ES1B-LTP	FS2K-LTP	S3K-TP	SK33-TP	SK64L-TP	US1J-TP
ES1D-LTP	FS2M-LTP	S3K-TPS01	SK34A-LTP	SK65L-TP	US1K-TP
ES1G-LTP	GS1A-LTP	S3MB-TP	SK34AL-TPS02	SK66L-TP	US1M-TP
ES1J-LTP	GS1B-LTP	S3M-TP	SK34B-LTP	SK68L-TP	US1M-TPS02
ES2A-LTP	GS1D-LTP	S5AL-TP	SK34-TP	SK810L-TP	US2AA-TP
ES2B-LTP	GS1G-LTP	S5BL-TP	SK35A-LTP	SK82L-TP	US2A-TP
ES2C-LTP	GS1G-LTPS01	S5DL-TP	SK35B-LTP	SK835L-TP	US2BA-TP



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**Affected Parts List(Cont'd):**

ES2D-LTP	GS1J-LTP	S5GL-TP	SK35-TP	SK83L-TP	US2B-TP
ES2G-LTP	GS1K-LTP	S5JL-TP	SK36A-LTP	SK845L-TP	US2CA-TP
ES2J-LTP	GS1M-LTP	S5KL-TP	SK36B-LTP	SK84L-TP	US2C-TP
FR1A-LTP	GS1Y-LTP	S5ML-TP	SK36-TP	SK86L-TP	US2DA-TP
FR1B-LTP	GS2A-LTP	S8AL-TP	SK38A-LTP	SK88L-TP	US2D-TP
FR1D-LTP	GS2B-LTP	S8BL-TP	SK38B-LTP	SMLJ60S05-TP	US2GA-TP
FR1G-LTP	GS2D-LTP	S8DL-TP	SK38-TP	SMLJ60S10-TP	US2G-TP
FR1J-LTP	GS2G-LTP	S8GL-TP	SK4200L-TP	SMLJ60S1-TP	US2JA-TP
FR1K-LTP	GS2J-LTP	S8JL-TP	SK42BL-TP	SMLJ60S2-TP	US2J-TP
					US2KA-TP
					US2K-TP
					US2MA-TP
					US2M-TP

Some special house pn# with TPS0X(X=1,2,3,4,....etc) suffix are not listed ,  
but also have been affected.