



Process Change Notification

Feb-25-2020

Title: MCC will update 0.5A voltage regulator wafer process

PCN#: 022520-1

Planned Effective Date :May-25-2020

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



Description and purpose :

As the wafer fabrication technology improved, MCC will update the wafer process of our 0.5A voltage regulator, the parts with new technology wafer still meet our specification exactly. Internal qualification process had been finished and the report is available by individual request. To identify the parts with new chip inside, MCC will assign a new code on body(see next page for details).
 For any concern about this PCN, please feel free to contact your local sales representative or us directly via above E-mail address.

Qualification Test Results:

Test	Condition	Interval	Results
BURN-IN	Rated Pd, Ta=25°C	1000 Hrs	0/77
HTST	Ta=150°C, 15psig	1000 Hrs	0/77
PCT	Ta=121°C, 100%RH, 15psig	96 Hrs	0/77
TC	-55°C~+150°C	1000 Cycles	0/77
Resistance to solder heat	260°C for 10s		0/10
Solderability	245°C for 5s		0/10



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Changed Part Identification Example:



Old



New

Affected pn#s List:

MC78M05CDT-TP

MC78M06CDT-TP

MC78M08CDT-TP

MC78M12CDT-TP

MC78M15CDT-TP

MC78M05CDT-TP-HF

MC78M06CDT-TP-HF

MC78M08CDT-TP-HF

MC78M12CDT-TP-HF

MC78M15CDT-TP-HF