



FINAL PRODUCT/PROCESS CHANGE NOTIFICATION # 20323

Generic Copy

Issue Date: 17-Dec-2013

TITLE: Qualification of Stars Microelectronics for Assembly/Test of XDFN/UDFN Packages

PROPOSED FIRST SHIP DATE: 17-Mar-2014

AFFECTED CHANGE CATEGORY(S): Assembly/Test Site

FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:

Contact your local ON Semiconductor Sales Office or <alan.garlington@onsemi.com>

SAMPLES: Contact your local ON Semiconductor Sales Office

ADDITIONAL RELIABILITY DATA: Available

Contact your local ON Semiconductor Sales Office or <tomas.vajter@onsemi.com>

NOTIFICATION TYPE:

Final Product/Process Change Notification (FPCN)

Final change notification sent to customers. FPCNs are issued at least 90 days prior to implementation of the change.

ON Semiconductor 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 <quality@onsemi.com>.

DESCRIPTION AND PURPOSE:

This notification is to announce ON Semiconductor is adding assembly and test manufacturing capacity for XDFN/UDFN products produced in STARS Microelectronics (Thailand) Public Company Limited. This change represents capacity expansion, and upon expiration of the PCN, product may be sourced from STARS Microelectronics (Thailand) Public Company Limited, or any of the previously approved assembly/test suppliers.

Stars Microelectronics (Thailand) Public Company Limited is certified to ISO: 9001/2008. ISO/TS 16949:2009, ISO 14001:2004 and OHASAS18001:2007

**FINAL PRODUCT/PROCESS CHANGE NOTIFICATION # 20323****RELIABILITY DATA SUMMARY:****Reliability Test Results:**

Generic Test results for CAT3210HU2-GT3
UDFN8 2 x 2 x .5 ON Semi Case 517AW

Test	Conditions	Units	Results
High Temp Storage	150C, 1008 Hr	160	Pass
Pre Conditioning	TC, Bake, Moisture IR Reflow	250	Pass
UHASt	130C/85% RH; 96 Hr	160	Pass
AutoClave	121C; 100% RH; 15 PSIG, 96 Hr	160	Pass
Temp Cycle	-65C to +150C, 1000 Cycle	160	Pass
HAST	130C, 85% RH, 96 Hr	160	Pass

ELECTRICAL CHARACTERISTIC SUMMARY:

There is no change in electrical characterization or performance due to an assembly location change. All product performance meets current data sheet specifications.

CHANGED PART IDENTIFICATION:

Parts which are assembled at Stars Microelectronics will have a unique one digit date code.



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List of affected General Parts:

NCP707AMX150TCG	NCP707CMX185TCG	NCP717BMX185TCG
NCP707AMX180TCG	NCP707CMX250TCG	NCP717BMX190TCG
NCP707AMX185TCG	NCP707CMX280TCG	NCP717BMX250TCG
NCP707AMX250TCG	NCP707CMX285TCG	NCP717BMX280TCG
NCP707AMX280TCG	NCP707CMX300TCG	NCP717BMX285TCG
NCP707AMX285TCG	NCP707CMX310TCG	NCP717BMX300TCG
NCP707AMX300TCG	NCP707CMX320TCG	NCP717BMX310TCG
NCP707AMX310TCG	NCP707CMX330TCG	NCP717BMX330TCG
NCP707AMX330TCG	NCP717AMX150TCG	NCP717CMX150TCG
NCP707BMX150TCG	NCP717AMX180TCG	NCP717CMX180TCG
NCP707BMX180TCG	NCP717AMX185TCG	NCP717CMX185TCG
NCP707BMX185TCG	NCP717AMX190TCG	NCP717CMX190TCG
NCP707BMX250TCG	NCP717AMX250TCG	NCP717CMX250TCG
NCP707BMX280TCG	NCP717AMX280TCG	NCP717CMX280TCG
NCP707BMX285TCG	NCP717AMX285TCG	NCP717CMX285TCG
NCP707BMX300TCG	NCP717AMX300TCG	NCP717CMX300TCG
NCP707BMX310TCG	NCP717AMX310TCG	NCP717CMX310TCG
NCP707BMX330TCG	NCP717AMX330TCG	NCP717CMX320TCG
NCP707CMX150TCG	NCP717BMX150TCG	NCP717CMX330TCG
NCP707CMX180TCG	NCP717BMX180TCG	