



FINAL PRODUCT/PROCESS CHANGE NOTIFICATION #20287Generic Copy

Issue Date: 04-Nov-2013

TITLE: Addition of FAB 10 (US) as qualified wafer source for Common Mode Filter devices in WDFN package

PROPOSED FIRST SHIP DATE: 04-Feb-2014 or earlier with customer approval

AFFECTED CHANGE CATEGORY(S): ON Semiconductor Fab

FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:

Contact your local ON Semiconductor Sales Office or Kai Loong Lai <ffyj9h@onsemi.com>

SAMPLES: Contact your local ON Semiconductor Sales Office

ADDITIONAL RELIABILITY DATA: Available

Contact your local ON Semiconductor Sales Office or Francis Lualhati <ffxczy@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:

Addition of wafer source

This is the final notification announcing that ON Semiconductor has added Fab 10 in Pocatello, Idaho as a CMF wafer source for its Common Mode Filter devices in WDFN package (please refer to the list of affected general parts section for complete device list). Fab 10 is an internal factory that is ISO/TS16949:2009 certified. This new die source is being added to ensure that manufacturing supply of these products are continuous and in the quantity needed to fulfill production orders.

There will be no change to electrical specifications or device physical parameters.

**FINAL PRODUCT/PROCESS CHANGE NOTIFICATION #20287****RELIABILITY DATA SUMMARY:**Package: **UDFN16**Qual Vehicles: **EMI4183MUTAG****Qualification Results and Analysis:**

Test:	Conditions:	Interval:	Results
HTRB	TA=85°C, 80% rated voltage	1008 hrs	0/240
HTSL	TA = 150°C	1008 hrs	0/240
TC-PC	Ta= -65 C to 150 C	1000 cyc	0/240
HAST-PC	Ta=130C RH=85%,	96 hrs	0/240
Autoclave-PC	Ta=121C RH=100% ~15 psig	96 hrs	0/240

Conclusion: All reliability requirements have been met.

ELECTRICAL CHARACTERISTIC SUMMARY:

No changes in electrical specifications; all product performance meets current datasheet specifications.

CHANGED PART IDENTIFICATION:

1. Devices with date code marking of WW03'2014 or later may be sourced from either ASMC or FAB 10.

List of affected General Parts:

Packages	Device	Wafer Source	
		ASMC	FAB 10
WDFN	EMI4182MTTAG	Existing	New
	EMI4183MTTAG	Existing	New
	EMI2121MTTAG	Existing	New
	EMI2124MTTAG	Existing	New

New - Additional FAB site upon FPCN expiry