

Product Change Notification - JAON-14UQGL199

Date: 17 Dec 2014

Product Category: SMSC; Radio Frequency Devices

Notification subject: CCB 1498 Initial Notice - Additional Fabrication Site: Qualification of an additional fabrication site for all products from the 130nm technology at Global Foundries Singapore.

Notification text:

PCN Status:

Initial notification

Microchip Parts Affected:

See attachments of affected catalog part numbers (CPN) labeled as...

PcN_JAON-14UQGL199_Affected_CPN.xls

PcN_JAON-14UQGL199_Affected_CPN.pdf

Description of Change:

Qualification of an additional fabrication site for all products from the 130nm technology at Global Foundries Singapore.

Pre Change:

Fabricated at Fab 6 Global Foundries Singapore.

Post Change:

Fabricated at Fab 7 Global Foundries Singapore.

Impacts to Data Sheet:

None

Reason for Change:

To improve productivity by qualifying Fab 7 Global Foundries Singapore.

Change Implementation Status:

In Progress

Estimated First Ship Date:

June 15, 2015 (date code: 1525)

NOTE: Please be advised that after the estimated first ship date customers may receive pre and post change parts.

Markings to Distinguish Revised from Unrevised Devices:

Traceability code

Revision History:

December 17, 2014: Issued initial notification.

The change described in this PCN does not alter Microchip's current regulatory compliance regarding the material content of the applicable products.

Attachment(s):

[PCN_JAON-14UQGL199_Qual_Plan.pdf](#) [PCN_JAON-14UQGL199_Affected_CPN.pdf](#)
[PCN_JAON-14UQGL199_Affected_CPN.xlsx](#)

Please contact your local [Microchip sales office](#) with questions or concerns regarding this notification.

Terms and Conditions:

If you wish to change your product/process change notification (PCN) profile please log on to our website at <http://www.microchip.com/PCN> sign into myMICROCHIP to open the myMICROCHIP home page, then select a profile option from the left navigation bar.

To opt out of future offer or information emails (other than product change notification emails), click here to go to [microchipDIRECT](#) and login, then click on the "My account" link, click on "Update profile" and un-check the box that states "Future offers or information about Microchip's products or services."



MICROCHIP

QUALIFICATION PLAN

PCN #: JAON-14UQGL199

Date

August 7, 2014

**Qualification of an additional fabrication site for all products
from the 130nm technology at Global Foundries Singapore**

Test Names	Conditions	Sample Size	Fail Accept Qty
ELFR Mil-STD 883, Method 1005 or AEC-Q100-008	125°C for 48 hours	800 / per lot	0
DLT or HTOL Mil-STD 883, Method 1005	125°C for 1008 hours	77 / per lot (released FAB Process MSL/Qualified architecture)	0
ESD- Human Body Model QCI-30510 (JS-001)	Should meet 2000V. Required 500V, 1000V, and 2000V testing. Engineering data can be collected above 2000V (i.e. 4000V). Pre and post room and hot temperature testing. One lot required for Process qualification.	(# of voltage steps) X 3 devices One lot	0
ESD- Machine Model QCI-30510 (JESD-A115)	Should meet 200V. Required 100V and 200V testing. Engineering data can be collected above 200V (i.e. 300V, 400V). Pre and post room and hot temperature testing. One lot required for Process qualification.	(# of voltage steps) X 3 devices One lot	0
Charge Device Model (CDM) ESD Test AEC Q100-011 (ANSI/ ESD STM 5.3.1	Should be performed on at least the largest surface mount package to determine product capability. Customer may request data for their specific package. Should meet a minimum of 500V on all pins except for 750V on corner pins. Pre and post room and hot temperature testing. One lot required for Process qualification. This test is not required for release to production, but recommended.	(# of voltage steps) X 3 devices One lot	0
Current Injection and Overvoltage QCI-30521 (JESD78)	+/- 100mA injection on I/O pins with a clamp of 1.5 X maximum Vsupply on the positive injection and 0.5X maximum Vsupply on the negative injection (not to exceed Vabs/MSV). Vsupply pin shall be stressed at 1.5X maximum Vsupply with a 100mA clamp (not to exceed Vabs/MSV). Stress 6 devices per temperature (room and maximum operating temperature). Pre and post room and hot temperature testing. One lot required for Process qualification.	12 One lot	0

PCN_JAON-14UQGL199
CATALOG_PART_NBR
LAN8710A-EZC
LAN8710A-EZC-TR
LAN8710A-EZK
LAN8710A-EZK-TR
LAN8710AI-EZK
LAN8710AI-EZK-TR
LAN8720A-CP
LAN8720A-CP-TR
LAN8720A-CP-TR-ABC
LAN8720AI-CP
LAN8720AI-CP-ABC
LAN8720AI-CP-TR
LAN8720AI-CP-TR-ABC
LAN8740A-EN
LAN8740A-EN-TR
LAN8740AI-EN
LAN8740AI-EN-TR
LAN8741A-EN
LAN8741A-EN-TR
LAN8741AI-EN
LAN8741AI-EN-TR
LAN8742A-CZ
LAN8742A-CZ-TR
LAN8742AI-CZ
LAN8742AI-CZ-TR
LAN8742-CZ
LAN8742-CZ-TR
LAN8742I-CZ
LAN8742I-CZ-TR
LAN9500A-ABZJ
LAN9500A-ABZJ-TR
LAN9500AI-ABZJ
LAN9500AI-ABZJ-TR
LAX9010-EZK-TR
MCW1283A-I/RM
RN131C/RM
RN131C/RM232
RN131C/RM236
RN131C/RM238
RN131C/RM400
RN131C/RM441
RN131C/RMBSC400
RN131C/RMIND227
RN131C/RMSCT215
RN131C/RMWFY242
RN131G-I/RM227
RN131G-I/RM231
RN131G-I/RM232

RN131G-I/RM238
RN131G-I/RM245
RN131G-I/RM441
RN131G-I/RMAGO337
RN131G-I/RMBHE211
RN131G-I/RMLJK400
RN131G-I/RMQTK200
RN131G-I/RMSEN233
RN131G-I/RMSOT245
RN131G-I/RMSQBA080
RN131G-I/RMSSC441
RN131G-I/RMV221
RN131G-I/RMWFL231
RN171/RM
RN171/RM232
RN171-I/RM
RN171-I/RM232
RN171-I/RM236
RN171-I/RM238
RN171-I/RM245
RN171-I/RM400
RN171-I/RM441
RN171-I/RMADCHIP
RN171-I/RMCEL240
RN171-I/RMCEN238
RN171-I/RMCEN248
RN171-I/RMGPS233
RN171-I/RMGPT040
RN171-I/RMLDA122
RN171-I/RMLDA245
RN171-I/RMMT7312
RN171-I/RMPLX232
RN171-I/RMRAW
RN171-I/RMRAW405
RN171-I/RMRTC401
RN171-I/RMSCT215
RN171-I/RMSCT419
RN171-I/RMSCT420
RN171-I/RMSCT427
RN171R-I/RM406
RN171S-I/RM404
RN171S-I/RM406
RN171S-I/RM407
RN171XVS/RM
RN171XVS-I/RM
RN171XVS-I/RM232
RN171XVU/RM
RN171XVU-I/RM
RN171XVW/RM
RN171XVW-I/RM

RNG2C547T-I/NQ
SCH5347-NS
SCH5544-NS
SCH5545-NS
SCH5620-MT
SCH5627-NS
SCH5627P-NS
SCH5636-NS
SEC2410I-JZX
SEC2410I-JZX-TR
SEC2410-JZX
SEC2410-JZX-TR
USB2412-DZK
USB2412-DZK-TR
USB2422/MJ
USB2422-I/MJ
USB2422T/MJ
USB2422T-I/MJ
USB2512B-AEZG
USB2512B-AEZG-BYC
USB2512B-AEZG-TR
USB2512BI-AEZG
USB2512BI-AEZG-TR
USB2513B-AEZC
USB2513B-AEZC-TR
USB2513B-AEZG
USB2513B-AEZG-TR
USB2513B-AEZG-TR-CD0
USB2513BI-AEZG
USB2513BI-AEZG-TR
USB2514B-AEZC
USB2514B-AEZC-TR
USB2514B-AEZG
USB2514B-AEZG-TR
USB2514BI-AEZG
USB2514BI-AEZG-TR
USB3502/ML
USB3502-I/ML
USB3502T/CS
USB3502T/ML
USB3502T-I/CS
USB3502T-I/ML
USB3503/ML
USB3503A-1-GL-TR
USB3503AI-1-GL-TR
USB3503-I/ML
USB3503T/ML
USB3503T-I/ML
USB3803B-1-GL-TR
USB3803BI-1-GL-TR

USB3803C-1-GL-TR
USB3803CI-1-GL-TR
USX2064-AEZG-TR
USX2072-DZK-TR