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## Product Change Notification - JAON-23HWYN608 [\(Printer Friendly\)](#)

**Date:** 09 Mar 2015

**Notification subject:** CCB 1409.12 Final Notice - Additional Fabrication Site: Qualification of an additional fabrication site for TP2540 Supertex device family.

**Notification text:** **PCN Status:**  
Final notification

**Microchip Parts Affected:**

See attachments of affected catalog part numbers (CPN) labeled as...  
PCN\_JAON-23HWYN608\_Affected\_CPN.xls  
PCN\_JAON-23HWYN608\_Affected\_CPN.pdf

**Description of Change:**

Qualification of an additional fabrication site for TP2540 Supertex device family.

**Pre Change:**

Fabricated at SPTX fab site.

**Post Change:**

Fabricated at Microchip FAB2 fab site.

**Impacts to Data Sheet:**

No

**Reason for Change:**

To improve productivity as part of the integration of Supertex and Microchip.

NOTE: SPTX will no longer have the ability to start additional wafers as of Q4 of CY14.

**Change Implementation Status:**

Complete

**Estimated First Ship Date:**

March 30, 2015 (date code: 1514)

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:**

**July 15, 2014:** Issued initial notification as PCN number JAON-15TRYZ317.

**August 14, 2014:** Revised the initial notification by revising the CPN list to include all parts that are moving to FAB2, adding the note after the reason for change, and revising the customer letter to show that Supertex customers may register for Microchip's PCN email service.

**March 09, 2015:** Issued final notification. Attached the Qualification Report. Updated Impacts to Data Sheet from TBD to No. Revised the estimated first ship date from September 12, 2014 to March 30, 2015.

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-23HWYN608\\_Qual\\_Report.pdf](#)  
[PCN\\_JAON-23HWYN608\\_Affected\\_CPN.pdf](#)  
[PCN\\_JAON-23HWYN608\\_Affected\\_CPN.xls](#)

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**PCN #: JAON-23HWYN608**

**Date:  
March 5, 2015**

**Qualification of an additional fabrication site for TP2540  
Supertex device family**

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## QUALIFICATION DATA

### High Temperature Operating Life (HTGB & HTRB)

Test Method	Mil-STD 750, M1042, Condition A & B
Test Condition	150°C / 1000 hours
Sample Size (45 ea. min)	(Fail/Pass)
Lot 1	0/45 <sup>a</sup> (HTGB) & 0/45 <sup>a</sup> (HTRB)

<sup>a</sup> Pre & Post testing was conducted at room temperature, ~25°C.

### ESD

Test	Reference Method	Sample Size	Result <sup>a</sup>
ESD – HBM	Mil-Std 750, M1020 Class 0	Lot 1 = 24ea	1600V & 160V <sup>b</sup>

<sup>b</sup> see chart below

Domain	Pass voltage	Fail Voltage	MK2 fail parameter
Gate to Source	160V	170V	GATE SHORT
Gate to Drain	160V	170V	GATE SHORT
Gate to Drain/Source	160V	170V	GATE SHORT
Drain to Gate/Source	1600V	1700V	GATE SHORT

PCN_JAON-23HWYN608
CATALOG_PART_NBR
TP2540N3-G
TP2540N3-G-P002
TP2540N8-G
TP2540N8-L-G