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Product Change Notification - CS11200006 - JAON-26ABPQ300 (Printer Friendly)

Date: 24 Nov 2016
Product Category: SMSC
Notification subject: CCB 1737.08 Final Notice: Release to production of listed Micrel Transceiver product type manufactured with the CS112 process technology to Microchip Fab.
Notification text: **PCN Status:**
Final Notification

Note: This final PCN only pertains to the products listed in this PCN. Additional final PCNs may be issued for this combination of product type and process technology.

Microchip Parts Affected:

Please open the attachments found in the attachments field below labeled as PCN Affected CPN.

NOTE: For your convenience Microchip includes identical files in two formats (.pdf and . Is).

Description of Change:

Release to production of listed Micrel Transceiver product type manufactured with the CS112 process technology to Microchip Fab

NOTE: Please review the FAQ linked [here](#) for additional information about this change.

Pre Change:

Fabricated at Micrel fabrication site (San Jose, CA, USA) using 6 inch wafers.

Post Change:

Fabricated at Microchip fabrication site using 8 inch wafers.

Pre and Post Change Summary:

	Pre Change	Post Change
Fab Site	Micrel fabrication site (San Jose, CA, USA)	Microchip fabrication site
Wafer Size	6 inch wafers	8 inch wafers

Impacts to Data Sheet:

None

Reason for Change:

To improve productivity with the closure of the Micrel fab as part of the integration of Micrel and Microchip.

Change Implementation Status:

In Progress

Estimated First Ship Date:

As identified for each CPN listed in the attached parts list.

Summary Time Table of notable events to date:

	September 2015					-	April 2016				-	November 2016				December 2016					Jan 21		
	36	37	38	39	40		14	15	16	17		44	45	46	47	48	49	50	51	52	01	02	
Initial PCN Issue Date CYER-31JLEX869	X																						
Qual Report Available JAON-26ABPQ300									X														
Final PCN Issue Date JAON-26ABPQ300-CSI1200006															X								
Estimated First Ship Date																							As listed in the attached parts list.

Markings to Distinguish Revised from Unrevised Devices:

Traceability code and shipping label see [FAQ](#).

Revision History:

September 1, 2015: Issued initial notification as PCN number **CYER-31JLEX869**.

April 29, 2016: Issued intermediate notification as PCN number **JAON-26ABPQ300**. Attached the Qualification Report. Revised the estimated first ship date (EFSD) to inform that the EFSD will be revealed in the final PCN.

November 24, 2016: Issued final notification as PCN number **JAON-26ABPQ300-CSI1200006** for listed Micrel s Transceiver products manufactured with the CSI12 process technology. Provided estimated first ship date (EFSD) for each CPN listed in the attached parts list.

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

Attachment(s):

[PCN_JAON-26ABPQ300-CSI1200006_Qual Report.pdf](#)
[PCN_JAON-26ABPQ300-CSI1200006_Affected_CPN.pdf](#)
[PCN_JAON-26ABPQ300-CSI1200006_Affected_CPN.xls](#)

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

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JAON-26ABPQ300-CSI1200006 - CCB 1737.08 Final Notice: Release to production of listed Micrel Transceiver product type manufactured with the CSI12 process technology to Microchip Fab.

Affected Catalog Part Numbers (CPN)

PCN_JAON-26ABPQ300-CSI1200006	
CATALOG_PART_NBR	Estimated First Ship Date (EFSD)
KSZ8721BL	December 08, 2016
KSZ8721CL	January 05, 2017
KSZ8721SL	January 05, 2017
KSZ8721BLI	December 08, 2016
KSZ8721SLI	January 05, 2017
KSZ8721BL-TR	January 05, 2017
KSZ8721CL-TR	January 05, 2017
SPNZ801036-TR	January 05, 2017
KSZ8721SL-TR	December 08, 2016
SPNZ801026-TR	January 05, 2017
KSZ8721BLI-TR	January 05, 2017
KSZ8721SLI-TR	January 05, 2017
KSZ8001L	December 08, 2016
KSZ8001SL	January 05, 2017
KSZ8001LI	January 05, 2017
KSZ8001L-TR	January 05, 2017
KSZ8001SL-TR	January 05, 2017
KSZ8001LI-TR	December 08, 2016



MICROCHIP

**QUALIFICATION REPORT
RELIABILITY LABORATORY**

PCN #: JAON-26ABPQ300-CSI1200006

**Date
April 5, 2016**

**Qualification of Microchip 8 inch Fabrication site for Micrel products
manufactured with the CSI12 Process Technology.**

PART NUMBER/MASK	PACKAGE TYPE	ASSEMBLY LOCATION	WAFER SIZE	PROCESS NAME
MIC5249YMM/288A1	MSOP-8L	STARS, THAILAND	8"	CSI 1.2

DIE QUALIFICATION RESULTS

TEST DESCRIPTION	METHOD/CONDITIONS	DATE CODE	LOT ID.	168 HR Rej/ss	500 HR Rej/ss	1000 HR Rej/ss	COMMENTS
HTOL High Temperature Operating Life Test	JESD22, Method 108	1547	V216216098.100MQB	0/77	0/77	0/77	
	TA= + 125°C	1547	V216216098.120MQB	0/77	0/77	0/77	
	VCC = +6.0V	1549	V216266959.000MQF	0/77	0/77	0/77	

ELECTROSTATIC DISCHARGE

TEST DESCRIPTION	METHOD/CONDITIONS	DATE CODE	LOT ID.	STRESS	RESULT Rej/ss	COMMENTS
ESD-HBM Human Body Model ATE Test @ Room +25C	R= 1500 Ohms C= 100 pF 1X +/- Voltage	1546H	V216216098.100MQB	+/-1500V	0/3	Note: ESD ratings are device specific. All Products qualified on the 8" Micrel process technologies will have the same or better ESD and Latch-up performance as the 6" San Jose Products.
ESD-CDM Charged Device Model ATE Test @ Room +25C	JESD22-C101 1X +/- Voltage	1546H	V216216098.100MQB	+/-1500V	0/3	
TEST DESCRIPTION	METHOD/CONDITIONS	DATE CODE	LOT ID.	STRESS	RESULT Rej/ss	COMMENTS
LATCH-UP	JESD-78 TA = +25°C	1546H	V216216098.100MQB	I/O LU O/V LU	0/6 0/6	

PACKAGE QUALIFICATION RESULTS

TEST DESCRIPTION	METHOD/CONDITIONS	DATE CODE	LOT ID.	Rej/ss	COMMENTS
Level 1 Pre-conditioning Flow	JESD22-A113	1547	V216216098.120MQB	0/143	
		1549	V216266959.000MQF	0/223	
		1608	V216266959.100MDQ	0/293	
TEST DESCRIPTION	METHOD/CONDITIONS	DATE CODE	LOT ID.	96 HR Rej/ss	COMMENTS
PRESSURE POT With Level 1 Pre-conditioning Tpeak + 260°C 3X Reflow	JESD22-A102 Ta = +121°C/100%RH 15 PSIG	1547	V216216098.120MQB	0/45	
		1549	V216266959.000MQF	0/45	
		1609	V216266959.100MQD	0/45	
TEST DESCRIPTION	METHOD/CONDITIONS	DATE CODE	LOT ID.	96 HR Rej/ss	COMMENTS
HAST With Level 1 Pre-conditioning Tpeak + 260°C 3X Reflow	JESD22-A110 (BIASED) Ta= +130°C/85%RH VCC = +6.0V	1547	V216216098.120MQB	0/44	
		1549	V216266959.000MQF	0/45	
		1609	V216266959.100MQD	0/45	
TEST DESCRIPTION	METHOD/CONDITIONS	DATE CODE	LOT ID.	500 CY Rej/ss	COMMENTS
TEMP CYCLE With Level 1 Pre-conditioning Tpeak + 260°C 3X Reflow	JESD22-A104 Ta = -65°C / +150°C	1547	V216216098.120MQB	0/45	
		1549	V216266959.000MQF	0/45	
		1609	V216266959.100MQD	0/45	
TEST DESCRIPTION	METHOD/CONDITIONS	DATE CODE	LOT ID.	1000 HR Rej/ss	COMMENTS
HTSL High Temperature Storage Life With Level 1 Pre-conditioning	JESD22-A103 Ta = +150°C	1547	V216216098.100MQB	0/76	
TEST DESCRIPTION	METHOD/CONDITIONS	DATE CODE	LOT ID.	1000 HR Rej/ss	COMMENTS
HTSL High Temperature Storage Life With Level 1 Pre-conditioning	JESD22-A103 Ta = +175°C	1547	V216216098.100MQB	0/76	
FLAMMABILITY	UL-94V-0 Certified	All mold compounds used by Micrel meet this standard. See the UL website on-line list of material flammability certifications. Micrel requires a Certificate of Compliance from the assembly house and we verify the certifications on the web.			

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