



Product Change Notification: CAAN-04HOEG511

Date:

13-Aug-2026

Product Category:

8-Bit Microcontrollers, Capacitive Touch Sensors

Notification Subject:

CCB 8461 Initial Notice: Qualification of MP3A as an additional assembly site for selected ATTINY1616, ATTINY1626, ATTINY406, ATTINY416, ATTINY816, AVR32LA20, MTCH1060, MTCH2120, PIC16F13244, PIC16F13245, PIC16F13246 and PIC16F15243 device families available in 20L VQFN (3x3x1.0mm) package.

Affected CPNs:

[CAAN-04HOEG511_Affected_CPN_08132026.pdf](#)

[CAAN-04HOEG511_Affected_CPN_08132026.csv](#)

PCN Status: Initial Notification

PCN Type: Manufacturing Change

Microchip Parts Affected: Please open one of the files found in the Affected CPNs section.

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

Description of Change: Qualification of MP3A as an additional assembly site for selected ATTINY1616, ATTINY1626, ATTINY406, ATTINY416, ATTINY816, AVR32LA20, MTCH1060, MTCH2120, PIC16F13244, PIC16F13245, PIC16F13246 and PIC16F15243 device families available in 20L VQFN (3x3x1.0mm) package.

Pre and Post Summary Changes:

	Pre Change	Post Change		Change (Yes/No)
Assembly Site	Microchip Technology	Microchip Technology	Microchip Technology	Yes

Method to Identify Change: Traceability Code

Qualification Plan: Please open the attachments included with this PCN labeled as PCN_#_Qual_Plan.

Revision History: August 13, 2026: Issued initial notification.

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

Attachments:

[PCN_CAAN-04HOEG511_Qualification Plan.pdf](#)

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

Terms and Conditions:

If you wish to receive Microchip PCNs via email please register for our PCN email service at our [PCN home page](#) select register then fill in the required fields. You will find instructions about registering for Microchips PCN email service in the [PCN FAQ](#) section.

If you wish to change your PCN profile, including opt out, please go to the [PCN home page](#) select login and sign into your myMicrochip account. Select a profile option from the left navigation bar and make the applicable selections.

Affected Catalog Part Numbers (CPN):

PIC16F13244T-I/2LX

PIC16F13245-E/2LX

PIC16F13245-I/2LX

PIC16F13245T-I/2LX

PIC16F13246-E/2LX

PIC16F13246-I/2LX

PIC16F13246T-I/2LX

PIC16F15243-E/2LXVAO

PIC16F15243T-E/2LXVAO

ATTINY1616-MBT-VAO

ATTINY1616-MBT-VAO-VW

ATTINY1616-MB-VAO

ATTINY1616-MZT-VAO

ATTINY1616-MZ-VAO

ATTINY1626-MFRVA1

ATTINY1626-MFVA1

ATTINY406-MBT-VAO

ATTINY406-MB-VAO

ATTINY406-MZT-VAO

ATTINY406-MZT-VAO-MB

ATTINY406-MZ-VAO

ATTINY416-MBT-VAO

ATTINY416-MBT-VAO-GM

ATTINY416-MB-VAO

ATTINY416-MZT-VAO

ATTINY416-MZ-VAO

ATTINY816-MBT-VAO

ATTINY816-MB-VAO

ATTINY816-MZT-VAO

ATTINY816-MZT-VAO-GM

ATTINY816-MZ-VAO

AVR32LA20-E/2LX

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AVR32LA20-I/2LX

AVR32LA20T-E/2LX

AVR32LA20T-I/2LX

MTCH1060T-E/2LXVAO

MTCH2120T-E/2LXVAO

PIC16F13244-E/2LX

PIC16F13244-I/2LX



MICROCHIP
QUALIFICATION PLAN SUMMARY

PCN#: CAAN-04HOEG511

Date:
July 30, 2026

Qualification of MP3A as an additional assembly site for selected ATTINY1616, ATTINY1626, ATTINY406, ATTINY416, ATTINY816, AVR32LA20, MTCH1060, MTCH2120, PIC16F13244, PIC16F13245, PIC16F13246 and PIC16F15243 device families available in 20L VQFN (3x3x1.0mm) package. This is Q006 Grade 1 qualification.

Purpose: Qualification of MP3A as an additional assembly site for selected ATTINY1616, ATTINY1626, ATTINY406, ATTINY416, ATTINY816, AVR32LA20, MTCH1060, MTCH2120, PIC16F13244, PIC16F13245, PIC16F13246 and PIC16F15243 device families available in 20L VQFN (3x3x1.0mm) package. This is Q006 Grade 1 qualification.

CCB No.: 8461

<u>Misc.</u>	Assembly site		MP3A
	BD Number		BD-004413
	MP Code (MPC)		59B1592LXVA1
	Part Number (CPN)		ATTINY1616-MB-VAO
	MSL information		1/260
	Assembly Shipping Media (T/R, Tube/Tray)		Tray, T/R
	Base Quantity Multiple (BQM)		490, 6000
	Reliability Site		MPHIL
<u>Lead-Frame</u>	Paddle size		75x75 mils
	Material		C194
	DAP Surface Prep		Bare Cu paddle
	Treatment		Roughening
	Process		Etched
	Lead-lock		No
	Part Number		10102015
	Lead Plating		Matte Tin
	Strip Size		70x x250
	Strip Density		1170
<u>Bond Wire</u>	Material		CuPdAu
<u>Die Attach</u>	<u>Backside Coat</u>	Material	8006NS (PFAS Free)
		Conductive	No
<u>MC</u>	Part Number		G700LTD
<u>PKG</u>	Package Type		VQFN
	Pin/Ball Count		20
	PKG width/size		3x3 mm

Test Name	Conditions	Reliability Stress Read Point Grade 1: -40°C to +125°C (MCHP E Temp)	Pre & Post Reliability Stress Test Temperature Grade 1: -40°C to +125°C (MCHP E Temp)	Sample Size	Min. Qty of Spares per Lot (should be properly marked)	Qty of Lots	Total Units	Fail Accept Qty	Est. Dur. Days	ATE Test Site	REL Test Site	Special Instructions
Wire Bond Pull - WBP	Mil. Std. 883-2011			5	0	1	5	0 fails after TC	5	MP3A		30 bonds from a min. 5 devices.
Wire Bond Stich Pull - WBSP				5	0	1	5	0	5	MP3A		30 bonds from a min. 5 devices.
Wire Bond Shear - WBS	CDF-AEC-Q100-001			5	0	1	5	0	5	MP3A		30 bonds from a min. 5 devices.
Physical Dimensions	Measure per JESD22 B100 and B108			10	0	3	30	0	5			
External Visual	Mil. Std. 883-2009/2010			All devices prior to submission for qualification testing	0	3	ALL	0	5	MP3A	MP3A	
HTSL (High Temp Storage Life)	JESD22-A103 +175°C	Grade 1: 500 hrs (+175°C)	Grade 1: +25°C, +85°C, +125°C	45	5	3	150	0	21 - 167	MP3A	MP3A	Perform per the requirements in AEC-Q100/Q101. Spares should be properly identified.
Preconditioning - Required for surface mount devices	J-STD-020 JESD22-A113 +150°C Bake for 24 hours, moisture loading requirements per MSL level + 3X reflow at peak reflow temperature per Jedec-STD-020E for package type. MSL 1 @ 260 C		Grade 1: +25°C	231	15	3	738	0	15	MP3A	MP3A	Spares should be properly identified. 77 parts from each lot to be used for HAST, uHAST, Temp Cycle test.
HAST	JESD22-A101 or A110 +130°C/85% RH for 96 hrs	Grade 1: 96 hrs (+130°C/85% RH)	Grade 1: +25°C, +85°C, +125°C	77	5	3	246	0	10 - 22	MP3A	MP3A	Perform per the requirements in AEC-Q006. Spares should be properly identified.
uHAST	JESD22-A102, A118, or A101 +130°C/85% RH for 96 hrs	Grade 1: 96 hrs (+130°C/85% RH)	Grade 1: +25°C	77	5	3	246	0	10	MP3A	MP3A	Spares should be properly identified. Use the parts which have gone through Pre-conditioning.
Temp Cycle	JESD22-A104 -55°C to +150°C	Grade 1: 1000 cycles (-55°C to +150°C)	Grade 1: +25°C, +85°C, +125°C	77	5	3	246	0	15 - 120	MP3A	MP3A	Perform per the requirements in AEC-Q006. Spares should be properly identified.