



Product Change Notification / CAAN-11TZFL221

Date:

16-Jan-2023

Product Category:

High Voltage Power Modules

PCN Type:

Manufacturing Change

Notification Subject:

CCB 5395 Initial Notice: Qualification of MP3B as a new assembly site for selected Microsemi products available in SP6P package.

Affected CPNs:

[CAAN-11TZFL221_Affected_CPN_01162023.pdf](#)

[CAAN-11TZFL221_Affected_CPN_01162023.csv](#)

Notification Text:

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 MP3B as a new assembly site for selected Microsemi products available in SP6P package.

Pre and Post Change Summary:

	Pre Change	Post Change
Assembly Site	Microchip Technology	Microchip Technology

	Inc. (MPH2)	Inc. (MPHIL-3) (MP3B)
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Impacts to Data Sheet:None

Change Impact:None

Reason for Change:To improve manufacturability by qualifying MP3B as a new assembly site.

Change Implementation Status:In Progress

Estimated Qualification Completion Date:May 2023

Note: Please be advised the qualification completion times may be extended because of unforeseen business conditions however implementation will not occur until after qualification has completed and a final PCN has been issued. The final PCN will include the qualification report and estimated first ship date. Also note that after the estimated first ship date guided in the final PCN customers may receive pre and post change parts.

Time Table Summary:

	January 2023					>	May 2023				
Workweek	1	2	3	4	5		1 8	1 9	2 0	2 1	2 2
Initial PCN Issue Date			x								
Qual Report Availability								x			
Final PCN Issue Date								x			

Method to Identify Change:Traceability code

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

Revision History:January 16, 2023: 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.

Attachments:

[PCN_CAAN-11TZFL221_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)

APTC60TAM21SCTPAG
APTC60TAM24TPG
APTC60TAM35PG
APTC60TDUM35PG
APTC80TA15PG
APTC80TDU15PG
APTGL120TA120TPG
APTGL120TDU120TPG
APTGT100TA120TPG
APTGT100TDU60PG
APTGT150TA60PG
APTGT150TDU60PG
APTGT50TA60PG
APTGT50TDU170PG
APTGT50TDU60PG
APTGT75TDU120PG
APTGT75TDU60PG
APTGTQ150TA65TPG
APTM08TAM04PG
APTM100TA35FPG
APTM100TA35SCTPG
APTM10TAM09FPG
APTM10TAM19FPG
APTM20TAM16FPG
APTM50TAM65FPG
APTMC120TAM12CTPAG
CMCRC60VM70CPAG
CMENSM70VR1M19CTPAG
CMENSM70VR1M44CTPAG
CMIEGLQ75TA120TPG
CMUTC60VM70CPAG
MSCC60VRM45TAPG
MSCM10TAM04PG
MSCSM120TAM11CTPAG
MSCSM120TAM11TPAG
MSCSM120TAM16CTPAG
MSCSM120TAM16TPAG
MSCSM120VR1M16CTPAG
MSCSM170TAM15CTPAG
MSCSM170TAM23CTPAG
MSCSM70TAM05TPAG
MSCSM70TAM10CTPAG
MSCSM70TAM10TPAG
MSCSM70VR1M10CTPAG
MSCSMG170ANPCM15TPAG



QUALIFICATION PLAN SUMMARY

PCN#: CAAN-11TZFL221

**Date:
December 16, 2022**

**Qualification of MP3B as a new assembly site for selected
Microsemi products available in SP6P package.**

Purpose: Qualification of MP3B as a new assembly site for selected Microsemi products available in SP6P package.

CCB#: 5395

Misc.	Assembly site	MPHIL3
	BD Number	CC6521B-20 ed05 APTGT75TA120PG
	Part Number (CPN)	APTGT75TA120PG
	Assembly Shipping Media (T/R, Tube/Tray)	Anti-static Tube
	Reliability Site	MPHIL3

Test Name	Conditions	Sample Size	Qty of Lots	Total Units	Fail Accept Qty	Est. Dur. Days	REL Test Site	Pkg. Type	Special Instructions
Temp Cycle	JESD22-A104. -40°C to +125°C for 1000 cycles. Readpoints at 0, 500, and 1000 cycles. Electrical test pre and post stress at +25°C and/or hot temp. -65°C to +150°C for 500 cycles for information only	8	3	24	0	30			

Test Name	Conditions	Sample Size	Qty of Lots	Total Units	Fail Accept Qty	Est. Dur. Days	REL Test Site	Pkg. Type	Special Instructions
Isolation Test	• Refer to PI-37311 - Module Isolation Test Specification	75	1	75	0	15	MPHIL-2	Module	

Test Name	Conditions	Sample Size	Qty of Lots	Total Units	Fail Accept Qty	Est. Dur. Days	REL Test Site	Pkg. Type	Special Instructions
Parametric Test	<ul style="list-style-type: none"> • Refer to PI-37312 - Module Final Test Specification • Refer to PI-37359 - Module D8580M Test Program Reference (TESEC) TST File Name 6375 V01.tst 	75	1	75	0	3	MPHIL-2	Module	

Test Name	Conditions	Sample Size	Qty of Lots	Total Units	Fail Accept Qty	Est. Dur. Days	REL Test Site	Pkg. Type	Special Instructions
Mechanical Inspection (External Visual)	<ul style="list-style-type: none"> • As per PI-37305 Module and PSDS Die Sales Visual Inspection Criteria Specification • As per PI-37310 Module Final Visual Inspection Specification • As per device assembly diagram for mechanical inspection 	1	1	1	0	2	MPHIL-3	Module	

Test Name	Conditions	Sample Size	Qty of Lots	Total Units	Fail Accept Qty	Est. Dur. Days	REL Test Site	Pkg. Type	Special Instructions
Solder Joint Check	<ul style="list-style-type: none"> As per PI-37305 Module and PSDS Die Sales Visual Inspection Criteria Specification 	75	1	75	0	1	MPHIL-3	Module	

Test Name	Conditions	Sample Size	Qty of Lots	Total Units	Fail Accept Qty	Est. Dur. Days	REL Test Site	Pkg. Type	Special Instructions
Internal Visual (3rd Optical Inspection)	<ul style="list-style-type: none"> • As per PI-37323 KPTM/KPTV Module Assembly Specification • As per PI-37305 Module and PSDS Die Sales Visual Inspection Criteria Specification • As per PI-37310 Final Visual Specification Module 	75	1	75	0	1	MPHIL-3	Module	

Test Name	Conditions	Sample Size	Qty of Lots	Total Units	Fail Accept Qty	Est. Dur. Days	REL Test Site	Pkg. Type	Special Instructions
Flatness Check	<ul style="list-style-type: none"> • As per PI-37358 Module Die/DBC Attach for AISiC Baseplate Specification (Bordeaux) • As per PI-37305 Module and PSDS Die Sales Visual Inspection Criteria Specification • As per PI-37310 Final Visual Specification Module 	75	1	75	0	1	MPHIL-3	Module	