

Product Change Notification - GBNG-08GYZA953

Date: 28 Nov 2017

Product Category: Digital Potentiometers; System D/A Converters; Memory; Linear Op Amps; Linear Comparators; Linear Selectable Gain Amplifiers; Instrumentation Amplifier; Linear Programmable Gain Amplifiers; Battery Management and Fuel Gauges - Battery Chargers; Real-Time Clock/Calendar; Temperature Sensors; Capacitive Touch Sensors; 8-bit PIC Microcontrollers; Linear Regulators; Power MOSFET Drivers; Brushless DC Fan Controllers & Fan Fault Detectors; Charge Pump DC-to-DC Converters; Switching Regulators; Power Management - PWM Controllers; Successive Approximation Register (SAR) A/D Converters; Sigma - Delta A/D Converters

Notification subject: CCB 3181 Initial Notice: Qualification of MMT as an additional assembly site for selected products available in 8L MSOP package using gold (Au) bond wire.

Notification text: **PCN Status:** Initial notification.

PCN Type: Manufacturing Change

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 .xls).

Description of Change: Qualification of MMT as an additional assembly site for selected products available in 8L MSOP package using gold (Au) bond wire.

Pre Change: Assembled at MTAI assembly site.

Post Change: Assembled at MTAI or MMT assembly site.

Pre and Post Change Summary:

	Pre Change	Post Change	
Assembly Site	Microchip Technology Thailand - HQ (MTAI)	Microchip Technology Thailand - HQ (MTAI)	Microchip Technology Thailand - Branch (MMT)
Wire material	CuPdAu	CuPdAu	CuPdAu
Die attach material	8390A	8390A	8390A
Molding compound material	G600V	G600V	G600V
Lead frame material	CDA194	CDA194	CDA194

Impacts to Data Sheet: None

Change Impact: None

Reason for Change: To improve productivity by qualifying MMT as an additional assembly site.

Change Implementation Status: In Progress

Estimated Qualification Completion Date: January 2018

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:

	November 2017					January 2018				
	44	45	46	47	48	01	02	03	04	05
Workweek										
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: **November 28, 2017:** 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_GBNG-08GYZA953_Affected CPN.pdf](#)
[PCN_GBNG-08GYZA953_Qual Plan.pdf](#)
[PCN_GBNG-08GYZA953_Affected CPN.xls](#)

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

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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."

GBNG-08GYZA953 - CCB 3181 Initial Notice: Qualification of MMT as an additional assembly site for selected products available in 8L MSOP package using gold (Au) bond wire.

Affected Catalog Part Numbers (CPN)

PCN_GBNG-08GYZA953
CATALOG_PART_NBR
11AA010-I/MS
11AA010T-I/MS
11AA020-I/MS
11AA020T-I/MS
11AA040-I/MS
11AA040T-I/MS
11AA080-I/MS
11AA080T-I/MS
11AA160-I/MS
11AA160T-I/MS
11AA161-I/MS
11AA161T-I/MS
11LC010-E/MS
11LC010-I/MS
11LC010T-E/MS
11LC010T-I/MS
11LC020-E/MS
11LC020-I/MS
11LC020T-E/MS
11LC020T-I/MS
11LC040-E/MS
11LC040-I/MS
11LC040T-E/MS
11LC040T-I/MS
11LC080-E/MS
11LC080-I/MS
11LC080T-E/MS
11LC080T-I/MS
11LC160-E/MS
11LC160-I/MS
11LC160T-E/MS
11LC160T-I/MS
11LC161-E/MS
11LC161-I/MS
11LC161T-E/MS
11LC161T-I/MS
24AA014H-I/MS
24AA014HT-I/MS
24AA014-I/MS
24AA014T-I/MS
24AA01H-I/MS
24AA01HT-I/MS
24AA01-I/MS

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Affected Catalog Part Numbers (CPN)

PCN_GBNG-08GYZA953
CATALOG_PART_NBR
24AA01T-I/MS
24AA024H-I/MS
24AA024HT-I/MS
24AA024-I/MS
24AA024T-I/MS
24AA025-I/MS
24AA025T-I/MS
24AA02H-I/MS
24AA02HT-I/MS
24AA02-I/MS
24AA02-I/MSB31
24AA02T-I/MS
24AA02T-I/MSB31
24AA044-E/MS
24AA044-I/MS
24AA044T-E/MS
24AA044T-I/MS
24AA04H-I/MS
24AA04HT-I/MS
24AA04-I/MS
24AA04-I/MSRVC
24AA04T-I/MS
24AA04T-I/MSRVC
24AA08H-I/MS
24AA08HT-I/MS
24AA08-I/MS
24AA08T-I/MS
24AA128-I/MS
24AA128T-I/MS
24AA16-E/MS
24AA16H-I/MS
24AA16HT-I/MS
24AA16-I/MS
24AA16T-E/MS
24AA16T-I/MS
24AA256-E/MS
24AA256-I/MS
24AA256-I/MSRVE
24AA256T-E/MS
24AA256T-I/MS
24AA256T-I/MSRVE
24AA32AF-I/MS
24AA32AFT-I/MS

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Affected Catalog Part Numbers (CPN)

PCN_GBNG-08GYZA953
CATALOG_PART_NBR
24AA32A-I/MS
24AA32AT-I/MS
24AA52-I/MS
24AA52T-I/MS
24AA64-E/MS
24AA64F-I/MS
24AA64FT-I/MS
24AA64-I/MS
24AA64T-E/MS
24AA64T-I/MS
24AA64T-I/MS028
24C01C-E/MS
24C01C-I/MS
24C01CT-E/MS
24C01CT-I/MS
24C02C-E/MS
24C02C-I/MS
24C02CT-E/MS
24C02CT-I/MS
24FC128-I/MS
24FC128T-I/MS
24FC256-I/MS
24FC256T-I/MS
24FC64F-I/MS
24FC64FT-I/MS
24FC64-I/MS
24FC64T-I/MS
24LC014-E/MS
24LC014H-E/MS
24LC014H-I/MS
24LC014HT-E/MS
24LC014HT-I/MS
24LC014-I/MS
24LC014T-E/MS
24LC014T-I/MS
24LC01B-E/MS
24LC01BH-E/MS
24LC01BH-I/MS
24LC01BHT-E/MS
24LC01BHT-I/MS
24LC01B-I/MS
24LC01BT-E/MS
24LC01BT-I/MS

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Affected Catalog Part Numbers (CPN)

PCN_GBNG-08GYZA953
CATALOG_PART_NBR
24LC024-E/MS
24LC024H-E/MS
24LC024H-I/MS
24LC024HT-E/MS
24LC024HT-I/MS
24LC024-I/MS
24LC024T-E/MS
24LC024T-I/MS
24LC025-E/MS
24LC025-I/MS
24LC025T-E/MS
24LC025T-I/MS
24LC02B-E/MS
24LC02BH-E/MS
24LC02BH-I/MS
24LC02BHT-E/MS
24LC02BHT-I/MS
24LC02B-I/MS
24LC02BT-E/MS
24LC02BT-I/MS
24LC04B-E/MS
24LC04BH-E/MS
24LC04BH-I/MS
24LC04BHT-E/MS
24LC04BHT-I/MS
24LC04B-I/MS
24LC04B-I/MSRVC
24LC04BT-E/MS
24LC04BT-I/MS
24LC04BT-I/MSRVC
24LC08B-E/MS
24LC08BH-E/MS
24LC08BH-I/MS
24LC08BHT-E/MS
24LC08BHT-I/MS
24LC08B-I/MS
24LC08BT-E/MS
24LC08BT-I/MS
24LC128-E/MS
24LC128-I/MS
24LC128T-E/MS
24LC128T-I/MS
24LC16B-E/MS

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PCN_GBNG-08GYZA953
CATALOG_PART_NBR
24LC16BH-E/MS
24LC16BH-I/MS
24LC16BHT-E/MS
24LC16BHT-I/MS
24LC16B-I/MS
24LC16BT-E/MS
24LC16BT-I/MS
24LC256-E/MS
24LC256-I/MS
24LC256-I/MSRVF
24LC256T-E/MS
24LC256T-I/MS
24LC256T-I/MSRVF
24LC32A-E/MS
24LC32AF-E/MS
24LC32AF-I/MS
24LC32AFT-E/MS
24LC32AFT-I/MS
24LC32A-I/MS
24LC32AT-E/MS
24LC32AT-I/MS
24LC64-E/MS
24LC64F-E/MS
24LC64F-I/MS
24LC64FT-E/MS
24LC64FT-I/MS
24LC64-I/MS
24LC64T-E/MS
24LC64T-I/MS
24LCS52-I/MS
24LCS52T-I/MS
24VL014/MS
24VL014H/MS
24VL014HT/MS
24VL014T/MS
24VL024/MS
24VL024H/MS
24VL024HT/MS
24VL024T/MS
24VL025/MS
24VL025T/MS
25AA010A-I/MS
25AA010AT-I/MS

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Affected Catalog Part Numbers (CPN)

PCN_GBNG-08GYZA953
CATALOG_PART_NBR
25AA020A-I/MS
25AA020AT-I/MS
25AA040A-I/MS
25AA040AT-I/MS
25AA080A-I/MS
25AA080AT-I/MS
25AA080B-I/MS
25AA080BT-I/MS
25AA080C-I/MS
25AA080CT-I/MS
25AA080D-I/MS
25AA080DT-I/MS
25AA160A-I/MS
25AA160AT-I/MS
25AA160B-I/MS
25AA160BT-I/MS
25AA160C-I/MS
25AA160CT-I/MS
25AA160D-E/MS
25AA160D-I/MS
25AA160DT-E/MS
25AA160DT-I/MS
25AA320A-I/MS
25AA320AT-I/MS
25AA640A-E/MS
25AA640A-I/MS
25AA640AT-E/MS
25AA640AT-I/MS
25LC010A-E/MS
25LC010A-I/MS
25LC010AT-E/MS
25LC010AT-I/MS
25LC020A-E/MS
25LC020A-I/MS
25LC020AT-E/MS
25LC020AT-I/MS
25LC040A-E/MS
25LC040A-I/MS
25LC040AT-E/MS
25LC040AT-I/MS
25LC080A-E/MS
25LC080A-I/MS
25LC080AT-E/MS

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PCN_GBNG-08GYZA953
CATALOG_PART_NBR
25LC080AT-I/MS
25LC080B-E/MS
25LC080B-I/MS
25LC080BT-E/MS
25LC080BT-I/MS
25LC080C-E/MS
25LC080C-I/MS
25LC080CT-E/MS
25LC080CT-I/MS
25LC080D-E/MS
25LC080D-I/MS
25LC080DT-E/MS
25LC080DT-I/MS
25LC160A-E/MS
25LC160A-I/MS
25LC160AT-E/MS
25LC160AT-I/MS
25LC160B-E/MS
25LC160B-I/MS
25LC160BT-E/MS
25LC160BT-I/MS
25LC160C-E/MS
25LC160C-I/MS
25LC160CT-E/MS
25LC160CT-I/MS
25LC160D-E/MS
25LC160D-I/MS
25LC160DT-E/MS
25LC160DT-I/MS
25LC320A-E/MS
25LC320A-I/MS
25LC320AT-E/MS
25LC320AT-I/MS
25LC640A-E/MS
25LC640A-I/MS
25LC640AT-E/MS
25LC640AT-I/MS
34AA02-E/MS
34AA02-I/MS
34AA02T-E/MS
34AA02T-I/MS
34LC02-E/MS
34LC02-I/MS

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Affected Catalog Part Numbers (CPN)

PCN_GBNG-08GYZA953
CATALOG_PART_NBR
34LC02T-E/MS
34LC02T-I/MS
34VL02/MS
34VL02T/MS
93AA46A-I/MS
93AA46AT-I/MS
93AA46B-I/MS
93AA46BT-I/MS
93AA46C-I/MS
93AA46CT-I/MS
93AA56A-I/MS
93AA56AT-I/MS
93AA56B-I/MS
93AA56BT-I/MS
93AA56C-I/MS
93AA56CT-I/MS
93AA66A-I/MS
93AA66AT-I/MS
93AA66B-I/MS
93AA66B-I/MSL21
93AA66BT-I/MS
93AA66BT-I/MSL21
93AA66C-I/MS
93AA66CT-I/MS
93AA76A-I/MS
93AA76AT-I/MS
93AA76B-I/MS
93AA76BT-I/MS
93AA76C-I/MS
93AA76CT-I/MS
93AA86A-I/MS
93AA86AT-I/MS
93AA86B-I/MS
93AA86BT-I/MS
93AA86C-I/MS
93AA86CT-I/MS
93C46A-E/MS
93C46A-I/MS
93C46AT-E/MS
93C46AT-I/MS
93C46B-E/MS
93C46B-I/MS
93C46BT-E/MS

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PCN_GBNG-08GYZA953
CATALOG_PART_NBR
93C46BT-I/MS
93C46C-E/MS
93C46C-I/MS
93C46CT-E/MS
93C46CT-I/MS
93C56A-E/MS
93C56A-I/MS
93C56AT-E/MS
93C56AT-I/MS
93C56B-E/MS
93C56B-I/MS
93C56BT-E/MS
93C56BT-I/MS
93C56C-E/MS
93C56C-I/MS
93C56CT-E/MS
93C56CT-I/MS
93C66A-E/MS
93C66A-I/MS
93C66AT-E/MS
93C66AT-I/MS
93C66B-E/MS
93C66B-I/MS
93C66BT-E/MS
93C66BT-I/MS
93C66C-E/MS
93C66C-I/MS
93C66CT-E/MS
93C66CT-I/MS
93C76A-E/MS
93C76A-I/MS
93C76AT-E/MS
93C76AT-I/MS
93C76B-E/MS
93C76B-I/MS
93C76BT-E/MS
93C76BT-I/MS
93C76C-E/MS
93C76C-I/MS
93C76CT-E/MS
93C76CT-I/MS
93C86A-E/MS
93C86A-I/MS

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Affected Catalog Part Numbers (CPN)

PCN_GBNG-08GYZA953
CATALOG_PART_NBR
93C86AT-E/MS
93C86AT-I/MS
93C86B-E/MS
93C86B-I/MS
93C86BT-E/MS
93C86BT-I/MS
93C86C-E/MS
93C86C-I/MS
93C86CT-E/MS
93C86CT-I/MS
93LC46A-E/MS
93LC46A-I/MS
93LC46AT-E/MS
93LC46AT-I/MS
93LC46B-E/MS
93LC46B-I/MS
93LC46BT-E/MS
93LC46BT-I/MS
93LC46C-E/MS
93LC46C-I/MS
93LC46CT-E/MS
93LC46CT-I/MS
93LC56A-E/MS
93LC56A-I/MS
93LC56AT-E/MS
93LC56AT-I/MS
93LC56B-E/MS
93LC56B-I/MS
93LC56BT-E/MS
93LC56BT-I/MS
93LC56C-E/MS
93LC56C-I/MS
93LC56CT-E/MS
93LC56CT-I/MS
93LC66A-E/MS
93LC66A-I/MS
93LC66AT-E/MS
93LC66AT-I/MS
93LC66B-E/MS
93LC66B-I/MS
93LC66BT-E/MS
93LC66BT-I/MS
93LC66C-E/MS

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Affected Catalog Part Numbers (CPN)

PCN_GBNG-08GYZA953
CATALOG_PART_NBR
93LC66C-I/MS
93LC66CT-E/MS
93LC66CT-I/MS
93LC76A-E/MS
93LC76A-I/MS
93LC76AT-E/MS
93LC76AT-I/MS
93LC76B-E/MS
93LC76B-I/MS
93LC76BT-E/MS
93LC76BT-I/MS
93LC76C-E/MS
93LC76C-I/MS
93LC76CT-E/MS
93LC76CT-I/MS
93LC86A-E/MS
93LC86A-I/MS
93LC86AT-E/MS
93LC86AT-I/MS
93LC86B-E/MS
93LC86B-I/MS
93LC86BT-E/MS
93LC86BT-I/MS
93LC86C-E/MS
93LC86C-I/MS
93LC86CT-E/MS
93LC86CT-I/MS
MCP1252-33X50I/MS
MCP1252-ADJI/MS
MCP1252T-33X50I/MS
MCP1252T-ADJI/MS
MCP1253-33X50I/MS
MCP1253-ADJI/MS
MCP1253T-33X50I/MS
MCP1253T-33X50I/MSV01
MCP1253T-ADJI/MS
MCP14A0153-E/MS
MCP14A0153T-E/MS
MCP14A0154-E/MS
MCP14A0154T-E/MS
MCP14A0155-E/MS
MCP14A0155T-E/MS
MCP14A0301-E/MS

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Affected Catalog Part Numbers (CPN)

PCN_GBNG-08GYZA953
CATALOG_PART_NBR
MCP14A0301T-E/MS
MCP14A0302-E/MS
MCP14A0302T-E/MS
MCP14A0451-E/MS
MCP14A0451T-E/MS
MCP14A0452-E/MS
MCP14A0452T-E/MS
MCP14A0601-E/MS
MCP14A0601T-E/MS
MCP14A0602-E/MS
MCP14A0602T-E/MS
MCP1601-I/MS
MCP1601T-I/MS
MCP1602-120I/MS
MCP1602-150I/MS
MCP1602-180I/MS
MCP1602-250I/MS
MCP1602-330I/MS
MCP1602-ADJI/MS
MCP1602-FIXI/MS
MCP1602T-120I/MS
MCP1602T-150I/MS
MCP1602T-180I/MS
MCP1602T-250I/MS
MCP1602T-330I/MS
MCP1602T-ADJI/MS
MCP1602T-FIXI/MS
MCP1612-ADJI/MS
MCP1612T-ADJI/MS
MCP1630-E/MS
MCP1630-E/MSAAA
MCP1630T-E/MS
MCP1630T-E/MSAAA
MCP1630T-E/MSHAZ
MCP1630V-E/MS
MCP1630VT-E/MS
MCP16311-E/MS
MCP16311T-E/MS
MCP16312-E/MS
MCP16312T-E/MS
MCP1632-AAE/MS
MCP1632-BAE/MS
MCP1632T-AAE/MS

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Affected Catalog Part Numbers (CPN)

PCN_GBNG-08GYZA953
CATALOG_PART_NBR
MCP1632T-BAE/MS
MCP1642B-18I/MS
MCP1642B-30I/MS
MCP1642B-33I/MS
MCP1642B-50I/MS
MCP1642B-ADJI/MS
MCP1642BT-18I/MS
MCP1642BT-30I/MS
MCP1642BT-33I/MS
MCP1642BT-50I/MS
MCP1642BT-ADJI/MS
MCP1642D-18I/MS
MCP1642D-30I/MS
MCP1642D-33I/MS
MCP1642D-50I/MS
MCP1642D-ADJI/MS
MCP1642DT-18I/MS
MCP1642DT-30I/MS
MCP1642DT-33I/MS
MCP1642DT-50I/MS
MCP1642DT-ADJI/MS
MCP1643-I/MS
MCP1643T-I/MS
MCP1650R-E/MS
MCP1650RT-E/MS
MCP1650S-E/MS
MCP1650ST-E/MS
MCP1651R-E/MS
MCP1651RT-E/MS
MCP1651S-E/MS
MCP1651ST-E/MS
MCP1652R-E/MS
MCP1652RT-E/MS
MCP1652S-E/MS
MCP1652ST-E/MS
MCP3001-I/MS
MCP3002-I/MS
MCP3201-CI/MS
MCP3201T-CI/MS
MCP3202-CI/MS
MCP3202T-CI/MS
MCP3301-BI/MS
MCP3301-CI/MS

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Affected Catalog Part Numbers (CPN)

PCN_GBNG-08GYZA953
CATALOG_PART_NBR
MCP3301T-BI/MS
MCP3301T-CI/MS
MCP3422A0-E/MS
MCP3422A0T-E/MS
MCP3422A1-E/MS
MCP3422A1T-E/MS
MCP3422A2-E/MS
MCP3422A2T-E/MS
MCP3422A3-E/MS
MCP3422A3T-E/MS
MCP3422A4-E/MS
MCP3422A4T-E/MS
MCP3422A5-E/MS
MCP3422A5T-E/MS
MCP3422A6-E/MS
MCP3422A6T-E/MS
MCP3422A7-E/MS
MCP3422A7T-E/MS
MCP3426A0-E/MS
MCP3426A0T-E/MS
MCP3426A1-E/MS
MCP3426A1T-E/MS
MCP3426A2-E/MS
MCP3426A2T-E/MS
MCP3426A3-E/MS
MCP3426A3T-E/MS
MCP3426A4-E/MS
MCP3426A4T-E/MS
MCP3426A5-E/MS
MCP3426A5T-E/MS
MCP3426A6-E/MS
MCP3426A6T-E/MS
MCP3426A7-E/MS
MCP3426A7T-E/MS
MCP3550-50E/MS
MCP3550-60E/MS
MCP3550T-50E/MS
MCP3550T-60E/MS
MCP3551-E/MS
MCP3551T-E/MS
MCP3553-E/MS
MCP3553T-E/MS
MCP4011-103E/MS

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Affected Catalog Part Numbers (CPN)

PCN_GBNG-08GYZA953
CATALOG_PART_NBR
MCP4011-202E/MS
MCP4011-502E/MS
MCP4011-503E/MS
MCP4011T-103E/MS
MCP4011T-202E/MS
MCP4011T-502E/MS
MCP4011T-503E/MS
MCP4021-103E/MS
MCP4021-202E/MS
MCP4021-502E/MS
MCP4021-503E/MS
MCP4021T-103E/MS
MCP4021T-202E/MS
MCP4021T-502E/MS
MCP4021T-503E/MS
MCP4131-103E/MS
MCP4131-104E/MS
MCP4131-502E/MS
MCP4131-503E/MS
MCP4131T-103E/MS
MCP4131T-104E/MS
MCP4131T-502E/MS
MCP4131T-503E/MS
MCP4132-103E/MS
MCP4132-104E/MS
MCP4132-502E/MS
MCP4132-503E/MS
MCP4132T-103E/MS
MCP4132T-104E/MS
MCP4132T-502E/MS
MCP4132T-503E/MS
MCP4141-103E/MS
MCP4141-104E/MS
MCP4141-502E/MS
MCP4141-503E/MS
MCP4141T-103E/MS
MCP4141T-104E/MS
MCP4141T-502E/MS
MCP4141T-503E/MS
MCP4142-103E/MS
MCP4142-104E/MS
MCP4142-502E/MS
MCP4142-503E/MS

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Affected Catalog Part Numbers (CPN)

PCN_GBNG-08GYZA953
CATALOG_PART_NBR
MCP4142T-103E/MS
MCP4142T-104E/MS
MCP4142T-502E/MS
MCP4142T-503E/MS
MCP4151-103E/MS
MCP4151-104E/MS
MCP4151-502E/MS
MCP4151-503E/MS
MCP4151T-103E/MS
MCP4151T-104E/MS
MCP4151T-502E/MS
MCP4151T-503E/MS
MCP4152-103E/MS
MCP4152-104E/MS
MCP4152-502E/MS
MCP4152-503E/MS
MCP4152T-103E/MS
MCP4152T-104E/MS
MCP4152T-502E/MS
MCP4152T-503E/MS
MCP4161-103E/MS
MCP4161-104E/MS
MCP4161-502E/MS
MCP4161-503E/MS
MCP4161T-103E/MS
MCP4161T-104E/MS
MCP4161T-502E/MS
MCP4161T-503E/MS
MCP4162-103E/MS
MCP4162-104E/MS
MCP4162-502E/MS
MCP4162-503E/MS
MCP4162T-103E/MS
MCP4162T-104E/MS
MCP4162T-502E/MS
MCP4162T-503E/MS
MCP4531-103E/MS
MCP4531-104E/MS
MCP4531-502E/MS
MCP4531-503E/MS
MCP4531T-103E/MS
MCP4531T-104E/MS
MCP4531T-502E/MS

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Affected Catalog Part Numbers (CPN)

PCN_GBNG-08GYZA953
CATALOG_PART_NBR
MCP4531T-503E/MS
MCP4532-103E/MS
MCP4532-104E/MS
MCP4532-502E/MS
MCP4532-503E/MS
MCP4532T-103E/MS
MCP4532T-104E/MS
MCP4532T-502E/MS
MCP4532T-503E/MS
MCP4541-103E/MS
MCP4541-104E/MS
MCP4541-502E/MS
MCP4541-503E/MS
MCP4541T-103E/MS
MCP4541T-104E/MS
MCP4541T-502E/MS
MCP4541T-503E/MS
MCP4542-103E/MS
MCP4542-104E/MS
MCP4542-502E/MS
MCP4542-503E/MS
MCP4542T-103E/MS
MCP4542T-104E/MS
MCP4542T-502E/MS
MCP4542T-503E/MS
MCP4551-103E/MS
MCP4551-104E/MS
MCP4551-502E/MS
MCP4551-503E/MS
MCP4551T-103E/MS
MCP4551T-104E/MS
MCP4551T-502E/MS
MCP4551T-503E/MS
MCP4552-103E/MS
MCP4552-104E/MS
MCP4552-502E/MS
MCP4552-503E/MS
MCP4552T-103E/MS
MCP4552T-104E/MS
MCP4552T-502E/MS
MCP4552T-503E/MS
MCP4561-103E/MS
MCP4561-104E/MS

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Affected Catalog Part Numbers (CPN)

PCN_GBNG-08GYZA953
CATALOG_PART_NBR
MCP4561-502E/MS
MCP4561-503E/MS
MCP4561T-103E/MS
MCP4561T-104E/MS
MCP4561T-502E/MS
MCP4561T-503E/MS
MCP4562-103E/MS
MCP4562-104E/MS
MCP4562-502E/MS
MCP4562-503E/MS
MCP4562T-103E/MS
MCP4562T-104E/MS
MCP4562T-502E/MS
MCP4562T-503E/MS
MCP4801-E/MS
MCP4801T-E/MS
MCP4802-E/MS
MCP4802T-E/MS
MCP4811-E/MS
MCP4811T-E/MS
MCP4812-E/MS
MCP4812T-E/MS
MCP4821-E/MS
MCP4821T-E/MS
MCP4822-E/MS
MCP4822T-E/MS
MCP4901-E/MS
MCP4901T-E/MS
MCP4911-E/MS
MCP4911T-E/MS
MCP4921-E/MS
MCP4921T-E/MS
MCP6002-E/MS
MCP6002-I/MS
MCP6002T-E/MS
MCP6002T-E/MSHAZ
MCP6002T-I/MS
MCP6021-E/MS
MCP6021T-E/MS
MCP6031-E/MS
MCP6031T-E/MS
MCP6032-E/MS
MCP6032T-E/MS

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Affected Catalog Part Numbers (CPN)

PCN_GBNG-08GYZA953
CATALOG_PART_NBR
MCP6033-E/MS
MCP6033T-E/MS
MCP6041-E/MS
MCP6041-I/MS
MCP6041T-E/MS
MCP6041T-I/MS
MCP6042-E/MS
MCP6042-I/MS
MCP6042T-E/MS
MCP6042T-I/MS
MCP6043-E/MS
MCP6043-I/MS
MCP6043T-E/MS
MCP6043T-I/MS
MCP6141-E/MS
MCP6141-I/MS
MCP6141T-E/MS
MCP6141T-I/MS
MCP6142-E/MS
MCP6142-I/MS
MCP6142T-E/MS
MCP6142T-I/MS
MCP6143-E/MS
MCP6143-I/MS
MCP6143T-E/MS
MCP6143T-I/MS
MCP616-I/MS
MCP616T-I/MS
MCP617-I/MS
MCP617T-I/MS
MCP618-I/MS
MCP618T-I/MS
MCP6231-E/MS
MCP6231T-E/MS
MCP6232-E/MS
MCP6232T-E/MS
MCP6241-E/MS
MCP6241T-E/MS
MCP6242-E/MS
MCP6242T-E/MS
MCP6271-E/MS
MCP6271T-E/MS
MCP6272-E/MS

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Affected Catalog Part Numbers (CPN)

PCN_GBNG-08GYZA953
CATALOG_PART_NBR
MCP6272T-E/MS
MCP6273-E/MS
MCP6273T-E/MS
MCP6275-E/MS
MCP6275T-E/MS
MCP6281-E/MS
MCP6281T-E/MS
MCP6282-E/MS
MCP6282T-E/MS
MCP6283-E/MS
MCP6283T-E/MS
MCP6285-E/MS
MCP6285T-E/MS
MCP6291-E/MS
MCP6291T-E/MS
MCP6292-E/MS
MCP6292-E/MSAAA
MCP6292T-E/MS
MCP6292T-E/MSAAA
MCP6293-E/MS
MCP6293T-E/MS
MCP6295-E/MS
MCP6295T-E/MS
MCP6422-E/MS
MCP6422T-E/MS
MCP6442-E/MS
MCP6442T-E/MS
MCP6472-E/MS
MCP6472T-E/MS
MCP6482-E/MS
MCP6482T-E/MS
MCP6492-E/MS
MCP6492T-E/MS
MCP6541-E/MS
MCP6541-I/MS
MCP6541T-E/MS
MCP6541T-I/MS
MCP6542-E/MS
MCP6542-I/MS
MCP6542T-E/MS
MCP6542T-I/MS
MCP6543-E/MS
MCP6543-I/MS

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Affected Catalog Part Numbers (CPN)

PCN_GBNG-08GYZA953
CATALOG_PART_NBR
MCP6543T-E/MS
MCP6543T-I/MS
MCP6546-E/MS
MCP6546-I/MS
MCP6546T-E/MS
MCP6546T-I/MS
MCP6547-E/MS
MCP6547-I/MS
MCP6547T-E/MS
MCP6547T-I/MS
MCP6548-E/MS
MCP6548-I/MS
MCP6548T-E/MS
MCP6548T-I/MS
MCP6562-E/MS
MCP6562T-E/MS
MCP6567-E/MS
MCP6567T-E/MS
MCP662-E/MS
MCP662T-E/MS
MCP6G01-E/MS
MCP6G01T-E/MS
MCP6G02-E/MS
MCP6G02T-E/MS
MCP6G03-E/MS
MCP6G03T-E/MS
MCP6L02T-E/MS
MCP6L1T-E/MS
MCP6L2T-E/MS
MCP6L71T-E/MS
MCP6L72T-E/MS
MCP6L91T-E/MS
MCP6L92T-E/MS
MCP6L92T-E/MSHHH
MCP6N16-001E/MS
MCP6N16-010E/MS
MCP6N16-100E/MS
MCP6N16T-001E/MS
MCP6N16T-010E/MS
MCP6N16T-100E/MS
MCP6S21-I/MS
MCP6S21T-I/MS
MCP6S22-I/MS

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Affected Catalog Part Numbers (CPN)

PCN_GBNG-08GYZA953
CATALOG_PART_NBR
MCP6S22T-I/MS
MCP6S91-E/MS
MCP6S91T-E/MS
MCP6S92-E/MS
MCP6S92T-E/MS
MCP6V12-E/MS
MCP6V12T-E/MS
MCP6V26-E/MS
MCP6V26T-E/MS
MCP6V27-E/MS
MCP6V27T-E/MS
MCP6V28-E/MS
MCP6V28T-E/MS
MCP6V32-E/MS
MCP6V32T-E/MS
MCP6V62-E/MS
MCP6V62T-E/MS
MCP6V72-E/MS
MCP6V72T-E/MS
MCP6V82-E/MS
MCP6V82T-E/MS
MCP6V92-E/MS
MCP6V92T-E/MS
MCP73827-4.1VUA
MCP73827-4.1VUATR
MCP73827-4.2VUA
MCP73827-4.2VUATR
MCP73828-4.1VUA
MCP73828-4.1VUATR
MCP73828-4.2VUA
MCP73828-4.2VUATR
MCP73843-410I/MS
MCP73843-420I/MS
MCP73843T-410I/MS
MCP73843T-420I/MS
MCP73844-820I/MS
MCP73844-840I/MS
MCP73844T-820I/MS
MCP73844T-840I/MS
MCP79400-I/MS
MCP79400T-I/MS
MCP79401-I/MS
MCP79401T-I/MS

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Affected Catalog Part Numbers (CPN)

PCN_GBNG-08GYZA953
CATALOG_PART_NBR
MCP79402-I/MS
MCP79402T-I/MS
MCP7940M-I/MS
MCP7940MT-I/MS
MCP7940N-E/MS
MCP7940N-I/MS
MCP7940NT-E/MS
MCP7940NT-I/MS
MCP79410-I/MS
MCP79410T-I/MS
MCP79411-I/MS
MCP79411T-I/MS
MCP79412-I/MS
MCP79412T-I/MS
MCP9801-M/MS
MCP9801-M/MSRC2
MCP9801T-M/MS
MCP9801T-M/MSRC2
MCP9803-M/MS
MCP9803-M/MSRC2
MCP9803T-M/MS
MCP9803T-M/MSRC2
MCP9804-E/MS
MCP9804-E/MSBBB
MCP9804T-E/MS
MCP9804T-E/MSBBB
MCP9808-E/MS
MCP9808T-E/MS
MTCH102-I/MS
MTCH102T-I/MS
PIC12F1501-E/MS
PIC12F1501-E/MS031
PIC12F1501-I/MS
PIC12F1501T-E/MS
PIC12F1501T-E/MS036
PIC12F1501T-I/MS
PIC12F1571-E/MS
PIC12F1571-I/MS
PIC12F1571T-E/MS
PIC12F1571T-I/MS
PIC12F1572-E/MS
PIC12F1572-I/MS
PIC12F1572T-E/MS

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Affected Catalog Part Numbers (CPN)

PCN_GBNG-08GYZA953
CATALOG_PART_NBR
PIC12F1572T-I/MS
PIC12F508-E/MS
PIC12F508-I/MS
PIC12F508T-E/MS
PIC12F508T-I/MS
PIC12F508T-I/MS054
PIC12F508T-I/MS064
PIC12F508T-I/MS076
PIC12F508T-I/MS077
PIC12F509-E/MS
PIC12F509-I/MS
PIC12F509T-E/MS
PIC12F509T-I/MS
PIC12F509T-I/MS029
PIC12F510-E/MS
PIC12F510-I/MS
PIC12F510-I/MS04
PIC12F510T-E/MS
PIC12F510T-I/MS
PIC12F519-E/MS
PIC12F519-I/MS
PIC12F519T-I/MS
PIC12F609-E/MS
PIC12F609-I/MS
PIC12F609T-E/MS
PIC12F609T-I/MS
PIC12F615-E/MS
PIC12F615-H/MS
PIC12F615-I/MS
PIC12F615-I/MS02
PIC12F615T-E/MS
PIC12F615T-H/MS
PIC12F615T-I/MS
PIC12F615T-I/MS059
PIC12F615T-I/MS063
PIC12F615T-I/MS068
PIC12F615T-I/MS080
PIC12F617-E/MS
PIC12F617-I/MS
PIC12F617-I/MS04
PIC12F617T-E/MS
PIC12F617T-I/MS
PIC12F617T-I/MS046

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Affected Catalog Part Numbers (CPN)

PCN_GBNG-08GYZA953
CATALOG_PART_NBR
PIC12F617T-I/MS056
PIC12F617T-I/MS04
PIC12F617T-I/MSV01
PIC12HV609-E/MS
PIC12HV609-I/MS
PIC12HV609T-I/MS
PIC12HV615-E/MS
PIC12HV615-I/MS
PIC12HV615T-E/MS
PIC12HV615T-I/MS
PIC12LF1501-E/MS
PIC12LF1501-I/MS
PIC12LF1501T-E/MS
PIC12LF1501T-I/MS
PIC12LF1552-E/MS
PIC12LF1552-I/MS
PIC12LF1552T-E/MS
PIC12LF1552T-I/MS
PIC12LF1571-E/MS
PIC12LF1571-I/MS
PIC12LF1571T-I/MS
PIC12LF1572-E/MS
PIC12LF1572-I/MS
PIC12LF1572T-I/MS
PIC12LF1572T-I/MS020
PIC12LF1572T-I/MS021
PIC12LF1572T-I/MS022
PIC12LF1572T-I/MS023
PIC12LF1572T-I/MS024
TC1026CEUA
TC1107-2.5VUA
TC1107-2.5VUATR
TC1107-2.7VUA
TC1107-2.7VUATR
TC1107-2.8VUA
TC1107-2.8VUATR
TC1107-3.0VUA
TC1107-3.0VUATR
TC1107-3.3VUA
TC1107-3.3VUATR
TC1107-5.0VUA
TC1107-5.0VUATR
TC1173-2.5VUA

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Affected Catalog Part Numbers (CPN)

PCN_GBNG-08GYZA953
CATALOG_PART_NBR
TC1173-2.5VUATR
TC1173-2.7VUA
TC1173-2.7VUATR
TC1173-2.8VUA
TC1173-2.8VUATR
TC1173-3.0VUA
TC1173-3.0VUATR
TC1173-3.3VUA
TC1173-3.3VUATR
TC1173-5.0VUA
TC1173-5.0VUATR
TC1174VUA
TC1174VUAMR
TC1174VUATR
TC1269-2.5VUA
TC1269-2.5VUATR
TC1269-2.7VUA
TC1269-2.7VUATR
TC1269-2.8VUA
TC1269-2.8VUATR
TC1269-3.0VUA
TC1269-3.0VUATR
TC1269-3.3VUA
TC1269-3.3VUATR
TC1269-5.0VUA
TC1269-5.0VUATR
TC1300K-2.5VUA
TC1300K-2.5VUATR
TC1300R-2.5VUA
TC1300R-2.5VUATR
TC1300R-2.85VUA
TC1300R-2.85VUATR
TC1300R-2.8VUA
TC1300R-2.8VUATR
TC1300R-2.8VUATRAAA
TC1300R-3.0VUA
TC1300R-3.0VUATR
TC1300R-3.0VUATRAAB
TC1300R-3.3VUA
TC1300R-3.3VUATR
TC1300Y-2.7VUA
TC1300Y-2.7VUATR
TC1301A-AAAVUA

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Affected Catalog Part Numbers (CPN)

PCN_GBNG-08GYZA953
CATALOG_PART_NBR
TC1301A-AAAVUATR
TC1301A-ADAVUA
TC1301A-ADAVUATR
TC1301A-AIAVUA
TC1301A-APAVUA
TC1301A-APAVUATR
TC1301A-DDAVUA
TC1301A-DDAVUATR
TC1301A-DFAVUA
TC1301A-DFAVUATR
TC1301A-EDAVUA
TC1301A-EDAVUATR
TC1301A-EFAVUA
TC1301A-EFAVUATR
TC1301A-EGAVUA
TC1301A-EGAVUATR
TC1301A-FDAVUA
TC1301A-FDAVUATR
TC1301A-FEAVUA
TC1301A-FEAVUATR
TC1301A-FFAVUA
TC1301A-FFAVUATR
TC1301A-FFEVUA
TC1301A-FFEUVATR
TC1301A-FGAVUA
TC1301A-FGAVUATR
TC1301A-FHAVUA
TC1301A-FHAVUATR
TC1301A-FSAVUA
TC1301A-FSAVUATR
TC1301A-IAAVUA
TC1301A-NICVUA
TC1301A-NICVUATR
TC1301A-NSBVUA
TC1301A-NSBVUATR
TC1301A-PHEVUA
TC1301A-PHEVUATR
TC1301A-SFAVUA
TC1301A-SFAVUATR
TC1301A-SGBVUA
TC1301A-SGBVUATR
TC1301A-SSBVUA
TC1301A-SSBVUATR

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Affected Catalog Part Numbers (CPN)

PCN_GBNG-08GYZA953
CATALOG_PART_NBR
TC1301A-UFEVUA
TC1301A-UFEVUATR
TC1301A-UPBVUA
TC1301A-UPBVUATR
TC1301A-UWVFVUA
TC1301A-UWVFUATR
TC1301B-APAVUA
TC1301B-APAVUATR
TC1301B-CCAVUA
TC1301B-CCAVUATR
TC1301B-DAAVUA
TC1301B-DAAVUATR
TC1301B-DDAVUA
TC1301B-DDAVUATR
TC1301B-DPAVUA
TC1301B-DPAVUATR
TC1301B-EDAVUA
TC1301B-EDAVUATR
TC1301B-EFAVUA
TC1301B-EFAVUATR
TC1301B-EGAVUA
TC1301B-EGAVUATR
TC1301B-FAAVUA
TC1301B-FAAVUATR
TC1301B-FDAVUA
TC1301B-FDAVUATR
TC1301B-FEAVUA
TC1301B-FEAVUATR
TC1301B-FFAVUA
TC1301B-FFAVUATR
TC1301B-FGAVUA
TC1301B-FGAVUATR
TC1301B-FHAVUA
TC1301B-FHAVUATR
TC1301B-GDDVUA
TC1301B-GDDVUATR
TC1301B-GFDVUA
TC1301B-GFDVUATR
TC1301B-GGDVUA
TC1301B-GGDVUATR
TC1301B-GPDVUA
TC1301B-GPDVUATR
TC1301B-GWDVUA

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Affected Catalog Part Numbers (CPN)

PCN_GBNG-08GYZA953
CATALOG_PART_NBR
TC1301B-GWDVUATR
TC1301B-UPBVUA
TC1301B-UPBVUATR
TC1301B-UPFVUA
TC1301B-UPFVUATR
TC1301B-UWVUUA
TC1301B-UWVUATR
TC1302A-APVUA
TC1302A-APVUATR
TC1302A-DTVUA
TC1302A-DTVUATR
TC1302A-HPVUA
TC1302A-HPVUATR
TC1302A-IPVUA
TC1302A-IPVUATR
TC1302B-AFVUA
TC1302B-AFVUATR
TC1302B-APVUA
TC1302B-APVUAR
TC1302B-DPVUA
TC1302B-DPVUATR
TC1302B-DRVUA
TC1302B-DRVUATR
TC1302B-DSVUA
TC1302B-DSVUATR
TC1302B-DTVUA
TC1302B-DTVUATR
TC1302B-FFVUA
TC1302B-FFVUATR
TC1302B-FPVUA
TC1302B-FPVUATR
TC1302B-FSVUA
TC1302B-FSVUATR
TC1302B-FTVUA
TC1302B-FTVUATR
TC1302B-GDVUA
TC1302B-GDVUATR
TC1302B-GPVUA
TC1302B-GPVUATR
TC1302B-HPVUA
TC1302B-HPVUATR
TC1302B-ICVUA
TC1302B-ICVUATR

GBNG-08GYZA953 - CCB 3181 Initial Notice: Qualification of MMT as an additional assembly site for selected products available in 8L MSOP package using gold (Au) bond wire.

Affected Catalog Part Numbers (CPN)

PCN_GBNG-08GYZA953
CATALOG_PART_NBR
TC1302B-IPVUA
TC1302B-IPVUATR
TC1302B-USVUA
TC1302B-USVUATR
TC1320EUA
TC1320EUATR
TC1321EUA
TC1321EUATR
TC1410EUA
TC1410EUA713
TC1410NEUA
TC1410NEUA713
TC1410NVUA
TC1410NVUA713
TC1411EUA
TC1411EUA713
TC1411NEUA
TC1411NEUA713
TC1411NVUA
TC1411NVUA713
TC1411VUA
TC1411VUA713
TC1412EUA
TC1412EUA713
TC1412NEUA
TC1412NEUA713
TC1413EUA
TC1413EUA713
TC1413NEUA
TC1413NEUA713
TC1426CUA
TC1426CUA713
TC1427CUA
TC1427CUA713
TC1428CUA
TC1428CUA713
TC426CUA
TC426CUA713
TC426EUA
TC426EUA713
TC427CUA
TC427CUA713
TC427EUA

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Affected Catalog Part Numbers (CPN)

PCN_GBNG-08GYZA953
CATALOG_PART_NBR
TC427EUA713
TC428CUA
TC428CUA713
TC428EUA
TC428EUA713
TC4426ACUA
TC4426ACUA713
TC4426AEUA
TC4426AEUA713
TC4426AVUA
TC4426AVUA713
TC4426CUA
TC4426CUA713
TC4426EUA
TC4426EUA713
TC4426VUA
TC4426VUA713
TC4427AEUA
TC4427AEUA713
TC4427AVUA
TC4427AVUA713
TC4427CUA
TC4427CUA713
TC4427EUA
TC4427EUA713
TC4427VUA
TC4427VUA713
TC4428AEUA
TC4428AEUA713
TC4428AVUA
TC4428AVUA713
TC4428CUA
TC4428CUA713
TC4428EUA
TC4428EUA713
TC4428VUA
TC4428VUA713
TC642BEUA
TC642BEUA713
TC642EUA
TC642EUA713
TC642VUA
TC642VUA713

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Affected Catalog Part Numbers (CPN)

PCN_GBNG-08GYZA953
CATALOG_PART_NBR
TC646BEUA
TC646BEUA713
TC646EUA
TC646EUA713
TC646VUA
TC646VUA713
TC647BEUA
TC647BEUATR
TC647EUA
TC647EUATR
TC647VUA
TC647VUATR
TC648BEUA
TC648BEUA713
TC648EUA
TC648EUA713
TC648VUA
TC648VUA713
TC649BEUA
TC649BEUATR
TC649EUA
TC649EUATR
TC649VUA
TC649VUATR
TC650ACVUA
TC650ACVUATR
TC650AEVUA
TC650AEVUATR
TC650AEVUATR-V01
TC650AGVUA
TC650AGVUATR
TC650BEVUA
TC650BEVUATR
TC650CGVUA
TC650CGVUATR
TC651ACVUA
TC651ACVUATR
TC651ADVUA
TC651ADVUATR
TC651AEVUA
TC651AEVUATR
TC651AGVUA
TC651AGVUATR

GBNG-08GYZA953 - CCB 3181 Initial Notice: Qualification of MMT as an additional assembly site for selected products available in 8L MSOP package using gold (Au) bond wire.

Affected Catalog Part Numbers (CPN)

PCN_GBNG-08GYZA953
CATALOG_PART_NBR
TC651BEVUA
TC651BEVUATR
TC651CGVUA
TC651CGVUATR
TC652ACVUA
TC652ACVUATR
TC652AEVUA
TC652AEVUATR
TC652AGVUA
TC652AGVUATR
TC652BEVUA
TC652BEVUATR
TC652BFVUA
TC652BFVUATR
TC652CGVUA
TC652CGVUATR
TC653ACVUA
TC653ACVUATR
TC653AEVUA
TC653AEVUATR
TC653AGVUA
TC653AGVUATR
TC653BEVUA
TC653BEVUATR
TC653BFVUA
TC653BFVUATR
TC653CGVUA
TC653CGVUATR
TC72-2.8MUA
TC72-2.8MUATR
TC72-2.8MUATRB34
TC72-3.3MUA
TC72-3.3MUATR
TC72-5.0MUA
TC72-5.0MUATR
TCN75-3.3MUA
TCN75-3.3MUA713
TCN75-5.0MUA
TCN75-5.0MUA713
TCN75AVUA
TCN75AVUA713



MICROCHIP

QUALIFICATION PLAN SUMMARY

PCN #: GBNG-08GYZA953

Date:

November 02, 2017

Qualification of MMT as an additional assembly site for selected products available in 8L MSOP package using gold (Au) bond wire.

Purpose: Qualification of MMT as an additional assembly site for selected products available in 8L MSOP package using gold (Au) bond wire.

CCB: 3181

		Qualification Report
<u>Misc.</u>	Assembly site	MMT
	BD Number	BDM-001551/A
	MP Code (MPC)	DFBC17A3XA00
	Part Number (CPN)	MCP79410-I/MS
<u>Lead-Frame</u>	Paddle size	82x94 mils
	Material	CDA194
	Surface	Ag Spot
	Treatment	None
	Process	Stamped
	Lead-lock	No
	Part Number	10100836
	Lead Plating	Matte Tin
<u>Bond Wire</u>	Material	Au
<u>Die Attach</u>	Part Number	8390A
	Conductive	Yes
<u>MC</u>	Part Number	G600V
<u>PKG</u>	PKG Type	MSOP
	Pin/Ball Count	8
	PKG width/size	3x3mm
<u>Die</u>	Die Thickness	8 mils
	Die Size	65.7x42.0 mils
	Fab Process (site)	160K/MCHP

Test Name	Conditions	Sample Size	Min. Qty of Spares per Lot (should be properly marked)	Qty of Lots	Total Units	Fail Accept Qty	Est. Dur. Days	Test Site	Special Instructions
Standard Pb-free Solderability	J-STD-002; Perform 8 hour steam aging for Matte tin finish and 1 hour steam aging for NiPdAu finish prior to testing. Standard Pb-free: Matte tin/ NiPdAu finish, SAC solder, wetting temp 245°C for both SMD & through hole packages.	22	5	1	27	> 95% lead coverage	5	MTAI	Standard Pb-free solderability is the requirement. SnPb solderability (backward solderability- SMD reflow soldering) is required for any plating related changes and highly recommended for other package BOM changes.
Backward Solderability	J-STD-002; Perform 8 hours steam aging for Matte tin finish and 1 hour steam aging for NiPdAu finish prior to testing. Backward: Matte tin/ NiPdAu finish, SnPb solder, wetting temp 215°C for SMD.	22	5	1	27	> 95% lead coverage	5	MTAI	
Wire Bond Pull - WBP	Mil. Std. 883-2011	5	0	3	15	0 fails after TC	5	MMT/MTAI	30 bonds from a minimum of 5 devices.
Wire Bond Shear - WBS	CDF-AEC-Q100-001	5	0	3	15		5	MMT/MTAI	30 bonds from a minimum of 5 devices.
Wire Sweep		5	0	3	15	0		MMT	Required for any reduction in wire bond thickness.
Physical Dimensions	Measure per JESD22 B100 and B108	10	0	3	30	0	5	MTAI	
External Visual	Mil. Std. 883-2009/2010	All devices prior to submission for qualification testing	0	3	ALL	0	5	MTAI	

Test Name	Conditions	Sample Size	Min. Qty of Spares per Lot (should be properly marked)	Qty of Lots	Total Units	Fail Accept Qty	Est. Dur. Days	Test Site	Special Instructions
HTSL (High Temp Storage Life)	+175 C for 504 hours. Electrical test pre and post stress at +25°C and hot temp. 85°C. 1 lot to be tested at 85C	45	5	1	50	0	25	MTAI	
Preconditioning - Required for surface mount devices	+150°C Bake for 24 hours, moisture loading requirements per MSL level + 3X reflow at peak reflow temperature per Jedec-STD-020D for package type; Electrical test pre and post stress at +25°C MSL1 @ 260°C	231	15	3	738	0	15	MTAI	Spares should be properly identified. 77 parts from each lot to be used for HAST, Autoclave, Temp Cycle test.
HAST	+130°C/85% RH for 96 hours. Electrical test pre and post stress at +25°C and hot temp. 1 lot to be tested at 85C	77	5	3	246	0	10	MTAI	Spares should be properly identified. Use the parts which have gone through Pre-conditioning.
Unbiased HAST	+130°C/85% RH for 96 hrs. Electrical test pre and post stress at +25°C.	77	5	3	246	0	10	MTAI	Spares should be properly identified. Use the parts which have gone through Pre-conditioning.
Temp Cycle	-65°C to +150°C for 500 cycles. Electrical test pre and post stress at hot temp; 3 gram force WBP, on 5 devices from 1 lot, test following Temp Cycle stress. 1 lot to be tested at 85C	77	5	3	246	0	15	MTAI	Spares should be properly identified. Use the parts which have gone through Pre-conditioning.