



Product Change Notification - JAON-28ACMH770

Date:

30 Jun 2020

Product Category:

Others; 16-Bit - Microcontrollers and Digital Signal Controllers; 32-bit Microcontrollers; Sensor Fusion Hub; Capacitive Touch Sensors; Ethernet Controllers

Affected CPNs:**Notification subject:**

CCB 4156.001 and 4156.002 Final Notice: Qualification of palladium coated copper with gold flash (CuPdAu) bond wire for selected products available in 44L QFN (8x8x0.9mm), 28L QFN-S (6x6x0.9mm) and 28L QFN (6x6x0.9mm) packages at MTAI assembly site.

Notification text:**PCN Status:**

Final notification

PCN Type:

Manufacturing Change

Microchip Parts Affected:

Please open one of the icons found in the Affected CPNs section above.

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

Description of Change:

Qualification of palladium coated copper with gold flash (CuPdAu) bond wire for selected products available in 44L QFN (8x8x0.9mm), 28L QFN-S (6x6x0.9mm) and 28L QFN (6x6x0.9mm) packages at MTAI assembly site.

Pre Change:

Using gold (Au) bond wire

Post Change:

Using palladium coated copper with gold flash (CuPdAu) bond wire

Pre and Post Change Summary:

	Pre Change	Post Change
Assembly Site	Microchip Technology Thailand HQ (MTAI)	Microchip Technology Thailand HQ (MTAI)
Lead frame material	C194	C194
Bond wire material	Au wire	CuPdAu wire
Die attach material	3280	3280
Mold compound material	G700LTD	G700LTD

Impacts to Data Sheet:

None

Change Impact:

None

Reason for Change:

To improve manufacturability by qualifying palladium coated copper with gold flash (CuPdAu) bond wire at MTAI assembly site.

Change Implementation Status:

In Progress

Estimated First Ship Date:



July 24, 2020 (date code: 2030)

NOTE: Please be advised that after the estimated first ship date customers may receive pre and post change parts.

Time Table Summary:

	June 2020					July 2020			
Workweek	23	24	25	26	27	28	29	30	31
Qual Report Availability					X				
Final PCN Issue Date					X				
Estimated Implementation Date								X	

Method to Identify Change:

Traceability code

Qualification Report:

Please open the attachments included with this PCN labeled as PCN_#_Qual Report.

Revision History:

June 30, 2020: Issued final notification. Attached the qualification report. Provided estimated first ship date to be on July 24, 2020.

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-28ACMH770 Qual Report.pdf](#)

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

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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)

ENC424J600-I/ML
ENC424J600T-I/ML
DSPIC33EP512GP504-E/ML
DSPIC33EP512MC204-E/ML
DSPIC33EP512MC504-E/ML
PIC24EP512GP204-E/ML
PIC24EP512MC204-E/ML
DSPIC33EP512GP504-I/ML
DSPIC33EP512MC204-I/ML
DSPIC33EP512MC504-I/ML
PIC24EP512GP204-I/ML
PIC24EP512MC204-I/ML
DSPIC33EP512GP504T-H/ML
DSPIC33EP512MC204T-H/ML
DSPIC33EP512MC504T-H/ML
PIC24EP512GP204T-H/ML
PIC24EP512MC204T-H/ML
DSPIC33EP512GP504-H/ML
DSPIC33EP512MC204-H/ML
DSPIC33EP512MC504-H/ML
PIC24EP512GP204-H/ML
PIC24EP512MC204-H/ML
DSPIC33EP512GP504T-I/ML
DSPIC33EP512MC204T-I/ML
DSPIC33EP512MC504T-I/ML
PIC24EP512GP204T-I/ML
PIC24EP512MC204T-I/ML
DSPIC33EP512MC204T-E/ML
DSPIC33EP512MC504T-E/ML
PIC24EP512GP204T-E/ML
PIC24EP512MC204T-E/ML
DSPIC33EP64GP504-E/ML
DSPIC33EP64MC204-E/ML
DSPIC33EP64MC504-E/ML
PIC24EP64GP204-E/ML
PIC24EP64MC204-E/ML
DSPIC33EP64GP504-I/MLA3
DSPIC33EP64GP504-I/ML
DSPIC33EP64MC204-I/ML
DSPIC33EP64MC504-I/ML
PIC24EP64GP204-I/ML
PIC24EP64MC204-I/ML
DSPIC33EP64GP504T-H/ML
DSPIC33EP64MC204T-H/ML
DSPIC33EP64MC504T-H/ML
PIC24EP64GP204T-H/ML

JAON-28ACMH770 - CCB 4156.001 and 4156.002 Final Notice: Qualification of palladium coated copper with gold flash (CuPdAu) bond wire for selected products available in 44L QFN (8x8x0.9mm), 28L QFN-S (6x6x0.9mm) and 28L QFN (6x6x0.9mm) packages at MTAI assembly site.

PIC24EP64MC204T-H/ML

DSPIC33EP64GP504-H/ML

DSPIC33EP64MC204-H/ML

DSPIC33EP64MC504-H/ML

PIC24EP64GP204-H/ML

PIC24EP64MC204-H/ML

DSPIC33EP64GP504T-I/ML

DSPIC33EP64MC204T-I/ML

DSPIC33EP64MC504T-I/ML

PIC24EP64GP204T-I/ML

PIC24EP64MC204T-I/ML

DSPIC33EP64GP504T-E/ML

DSPIC33EP64MC204T-E/ML

DSPIC33EP64MC504T-E/ML

PIC24EP64GP204T-E/ML

PIC24EP64MC204T-E/ML

DSPIC33EP128GP504-E/ML

DSPIC33EP128MC204-E/ML

DSPIC33EP128MC504-E/ML

PIC24EP128GP204-E/ML

PIC24EP128MC204-E/ML

DSPIC33EP128GP504-I/ML

DSPIC33EP128MC204-I/ML

DSPIC33EP128MC504-I/ML

PIC24EP128GP204-I/ML

PIC24EP128MC204-I/ML

DSPIC33EP128MC504T-H/ML

DSPIC33EP128GP504-H/ML

DSPIC33EP128MC204-H/ML

DSPIC33EP128MC504-H/ML

PIC24EP128GP204-H/ML

PIC24EP128MC204-H/ML

DSPIC33EP128GP504T-I/ML

DSPIC33EP128MC204T-I/ML

DSPIC33EP128MC504T-I/ML

PIC24EP128GP204T-I/ML

PIC24EP128MC204T-I/ML

DSPIC33EP128GP504T-E/ML

DSPIC33EP128MC204T-E/ML

DSPIC33EP128MC504T-E/ML

DSPIC33EP256GP504-E/ML

DSPIC33EP256MC204-E/ML

DSPIC33EP256MC504-E/ML

PIC24EP256GP204-E/ML

PIC24EP256MC204-E/ML

HA7619-I/ML027

DSPIC33EP256GP504-I/ML

DSPIC33EP256MC204-I/ML

DSPIC33EP256MC504-I/ML

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PIC24EP256GP204-I/ML

PIC24EP256MC204-I/ML

DSPIC33EP256GP504T-H/ML

DSPIC33EP256MC204T-H/ML

DSPIC33EP256MC504T-H/ML

PIC24EP256GP204T-H/ML

PIC24EP256MC204T-H/ML

DSPIC33EP256GP504-H/ML

DSPIC33EP256MC204-H/ML

DSPIC33EP256MC504-H/ML

PIC24EP256GP204-H/ML

PIC24EP256MC204-H/ML

HA7619T-I/ML025

HA7619T-I/ML027

PIC24EP256GP204T-I/ML029

DSPIC33EP256GP504T-I/ML

DSPIC33EP256MC204T-I/ML

DSPIC33EP256MC504T-I/ML

PIC24EP256GP204T-I/ML

PIC24EP256MC204T-I/ML

DSPIC33EP256MC204T-E/MLC02

DSPIC33EP256GP504T-E/ML

DSPIC33EP256MC204T-E/ML

DSPIC33EP256MC504T-E/ML

PIC24EP256GP204T-E/ML

PIC24EP256MC204T-E/ML

DSPIC33EP32GP504-E/ML

DSPIC33EP32MC204-E/ML

DSPIC33EP32MC504-E/ML

PIC24EP32GP204-E/ML

PIC24EP32MC204-E/ML

DSPIC33EP32GP504-I/ML

DSPIC33EP32MC204-I/ML

DSPIC33EP32MC504-I/ML

PIC24EP32GP204-I/ML

PIC24EP32MC204-I/ML

DSPIC33EP32GP504T-H/ML

DSPIC33EP32MC204T-H/ML

DSPIC33EP32MC504T-H/ML

PIC24EP32GP204T-H/ML

PIC24EP32MC204T-H/ML

DSPIC33EP32GP504-H/ML

DSPIC33EP32MC204-H/ML

DSPIC33EP32MC504-H/ML

PIC24EP32GP204-H/ML

PIC24EP32MC204-H/ML

DSPIC33EP32GP504T-I/ML

DSPIC33EP32MC204T-I/ML

DSPIC33EP32MC504T-I/ML

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PIC24EP32GP204T-I/ML
PIC24EP32MC204T-I/ML
DSPIC33EP32GP504T-E/ML
DSPIC33EP32MC204T-E/ML
DSPIC33EP32MC504T-E/ML
PIC24EP32GP204T-E/ML
PIC24EP32MC204T-E/ML
WP200TX01-E/ML001
DSPIC33EP64GS504-E/MLC06
DSPIC33EP64GS504-E/ML
DSPIC33EP32GS504-E/ML
DSPIC33EP16GS504-E/ML
DSPIC33EP32GS504-I/MLC09
DSPIC33EP32GS504-I/MLC10
DSPIC33EP64GS504-I/MLC11
DSPIC33EP64GS504-I/ML
DSPIC33EP32GS504-I/ML
DSPIC33EP16GS504-I/ML
DSPIC33EP32GS504T-I/MLC09
DSPIC33EP32GS504T-I/MLC10
DSPIC33EP64GS504T-I/MLC11
DSPIC33EP64GS504T-I/ML
DSPIC33EP32GS504T-I/ML
DSPIC33EP16GS504T-I/ML
WP200TX01T-E/ML001
DSPIC33EP64GS504T-E/ML
DSPIC33EP32GS504T-E/ML
DSPIC33EP16GS504T-E/ML
DSPIC33EP128GM304-E/ML
DSPIC33EP128GM604-E/ML
DSPIC33EP256GM304-E/ML
DSPIC33EP256GM604-E/ML
DSPIC33EP512GM304-E/ML
DSPIC33EP512GM604-E/ML
DSPIC33EP128GM304-I/ML
DSPIC33EP128GM604-I/ML
DSPIC33EP256GM304-I/ML
DSPIC33EP256GM604-I/ML
DSPIC33EP512GM304-I/ML
DSPIC33EP512GM604-I/ML
DSPIC33EV128GM004-E/ML
DSPIC33EV128GM104-E/ML
DSPIC33EV64GM004-E/ML
DSPIC33EV64GM104-E/ML
DSPIC33EV32GM004-E/ML
DSPIC33EV32GM104-E/ML
DSPIC33EV128GM004-I/ML
DSPIC33EV128GM104-I/ML
DSPIC33EV64GM004-I/ML

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DSPIC33EV64GM104-I/ML
DSPIC33EV32GM004-I/ML
DSPIC33EV32GM104-I/ML
DSPIC33EV128GM004-H/ML
DSPIC33EV128GM104-H/ML
DSPIC33EV64GM004-H/ML
DSPIC33EV64GM104-H/ML
DSPIC33EV32GM004-H/ML
DSPIC33EV32GM104-H/ML
DSPIC33EV128GM004T-I/ML
DSPIC33EV128GM104T-I/ML
DSPIC33EV64GM004T-I/ML
DSPIC33EV64GM104T-I/ML
DSPIC33EV32GM004T-I/ML
DSPIC33EV32GM104T-I/ML
DSPIC33EV256GM004-E/ML
DSPIC33EV256GM104-E/ML
DSPIC33EV256GM004-I/ML
DSPIC33EV256GM104-I/ML
DSPIC33EV256GM004-H/ML
DSPIC33EV256GM104-H/ML
DSPIC33EV256GM004T-I/ML
DSPIC33EV256GM104T-I/ML
PIC24FJ128GB204-E/ML
PIC24FJ64GB204-E/ML
PIC24FJ128GB204-I/ML
PIC24FJ64GB204-I/ML
PIC24FJ128GB204T-I/ML
PIC24FJ64GA204-E/ML
PIC24FJ128GA204-I/ML
PIC24FJ64GA204-I/ML
PIC24FJ128GA204T-I/ML
PIC24FJ64GA204T-I/ML
PIC32MX174F256D-I/ML
PIC32MX274F256D-I/ML
PIC32MX154F128D-I/ML
PIC32MX254F128D-I/ML
PIC32MX174F256D-V/ML
PIC32MX274F256D-V/ML
PIC32MX154F128D-V/ML
PIC32MX254F128D-V/ML
PIC32MX174F256DT-V/ML
PIC32MX274F256DT-V/ML
PIC32MX154F128DT-V/ML
PIC32MX254F128DT-V/ML
PIC32MX174F256DT-I/ML
PIC32MX274F256DT-I/ML
PIC32MX154F128DT-I/ML
PIC32MX254F128DT-I/ML

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MTCH6301-I/ML

PIC32MX120F032D-I/ML

PIC32MX110F016D-I/ML

PIC32MX220F032D-I/ML

PIC32MX210F016D-I/ML

PIC32MX120F032D-V/ML

PIC32MX110F016D-V/ML

PIC32MX220F032D-V/ML

PIC32MX210F016D-V/ML

PIC32MX120F032DT-V/ML

PIC32MX110F016DT-V/ML

PIC32MX220F032DT-V/ML

PIC32MX210F016DT-V/ML

MTCH6301T-I/ML

PIC32MX120F032DT-I/ML

PIC32MX110F016DT-I/ML

PIC32MX220F032DT-I/ML

PIC32MX210F016DT-I/ML

PIC32MX120F032D-50I/ML

PIC32MX220F032D-50I/ML

PIC32MX120F032DT-50I/ML

PIC32MX220F032DT-50I/ML

PIC32MX150F128D-I/ML

PIC32MX130F064D-I/ML

PIC32MX250F128D-I/ML

PIC32MX230F064D-I/ML

PIC32MX150F128D-V/ML

PIC32MX130F064D-V/ML

PIC32MX250F128D-V/ML

PIC32MX230F064D-V/ML

PIC32MX150F128DT-V/ML

PIC32MX130F064DT-V/ML

PIC32MX250F128DT-V/ML

PIC32MX230F064DT-V/ML

PIC32MX250F128DT-I/ML026

PIC32MX150F128DT-I/ML

PIC32MX130F064DT-I/ML

PIC32MX250F128DT-I/ML

PIC32MX230F064DT-I/ML

PIC32MX150F128D-50I/ML

PIC32MX250F128D-50I/ML

PIC32MX150F128DT-50I/ML

PIC32MX250F128DT-50I/ML

PIC32MX170F256D-I/ML

PIC32MX270F256D-I/ML

PIC32MX170F256D-V/ML

PIC32MX270F256D-V/ML

PIC32MX170F256DT-V/ML

PIC32MX270F256DT-V/ML

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PIC32MX170F256DT-I/ML

PIC32MX270F256DT-I/ML

PIC32MX170F256D-50I/ML

PIC32MX270F256D-50I/ML

PIC32MX170F256DT-50I/ML

PIC32MX270F256DT-50I/ML

DSPIC33EP512GP502-E/MM

DSPIC33EP512MC202-E/MM

DSPIC33EP512MC502-E/MM

PIC24EP512GP202-E/MM

DSPIC33EP512GP502-I/MM

DSPIC33EP512MC202-I/MM

DSPIC33EP512MC502-I/MM

PIC24EP512GP202-I/MM

PIC24EP512MC202-I/MM

DSPIC33EP512GP502T-H/MM

DSPIC33EP512MC202T-H/MM

DSPIC33EP512MC502T-H/MM

PIC24EP512GP202T-H/MM

PIC24EP512MC202T-H/MM

DSPIC33EP512GP502-H/MM

DSPIC33EP512MC202-H/MM

DSPIC33EP512MC502-H/MM

PIC24EP512GP202-H/MM

PIC24EP512MC202-H/MM

DSPIC33EP512GP502T-I/MM

DSPIC33EP512GP502T-E/MM

DSPIC33EP512MC502T-E/MM

DSPIC33EP64GP502-E/MM

DSPIC33EP64MC202-E/MM

DSPIC33EP64MC502-E/MM

PIC24EP64GP202-E/MM

PIC24EP64MC202-E/MM

DSPIC33EP64GP502-I/MM

DSPIC33EP64MC202-I/MM

DSPIC33EP64MC502-I/MM

PIC24EP64GP202-I/MM

PIC24EP64MC202-I/MM

DSPIC33EP64GP502T-H/MM

DSPIC33EP64MC202T-H/MM

DSPIC33EP64MC502T-H/MM

PIC24EP64GP202T-H/MM

PIC24EP64MC202T-H/MM

DSPIC33EP64GP502-H/MM

DSPIC33EP64MC202-H/MM

DSPIC33EP64MC502-H/MM

PIC24EP64GP202-H/MM

PIC24EP64MC202-H/MM

DSPIC33EP64MC202T-I/MM

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DSPIC33EP64MC502T-I/MM
PIC24EP64GP202T-I/MM
PIC24EP64MC202T-I/MM
DSPIC33EP64GP502T-E/MM
DSPIC33EP64MC202T-E/MM
DSPIC33EP64MC502T-E/MM
PIC24EP64MC202T-E/MM
DSPIC33EP128MC202-E/MM
PIC24EP128GP202-E/MM
PIC24EP128GP202-I/MM038
DSPIC33EP128GP502-I/MM
DSPIC33EP128MC202-I/MM
DSPIC33EP128MC502-I/MM
PIC24EP128GP202-I/MM
PIC24EP128GP202T-I/MM038
DSPIC33EP128GP502T-I/MM
DSPIC33EP128MC202T-I/MM
DSPIC33EP128MC502T-I/MM
DSPIC33EP128MC502T-E/MM
DSPIC33EP128MC202T-E/MM
DSPIC33EP256GP502-E/MM
DSPIC33EP256MC202-E/MM
DSPIC33EP256MC502-E/MM
PIC24EP256GP202-E/MM
PIC24EP256MC202-E/MM
HA7619-I/MM028
DSPIC33EP256GP502-I/MM
DSPIC33EP256MC202-I/MM
DSPIC33EP256MC502-I/MM
PIC24EP256GP202-I/MM
PIC24EP256MC202-I/MM
DSPIC33EP256GP502T-H/MM
DSPIC33EP256MC202T-H/MM
DSPIC33EP256MC502T-H/MM
PIC24EP256GP202T-H/MM
PIC24EP256MC202T-H/MM
DSPIC33EP256GP502-H/MM
DSPIC33EP256MC202-H/MM
DSPIC33EP256MC502-H/MM
PIC24EP256GP202-H/MM
PIC24EP256MC202-H/MM
HA7619T-I/MM028
DSPIC33EP256GP502T-I/MM
DSPIC33EP256MC202T-I/MM
DSPIC33EP256MC502T-I/MM
PIC24EP256GP202T-I/MM
PIC24EP256MC202T-I/MM
DSPIC33EP256GP502T-E/MM
DSPIC33EP256MC202T-E/MM

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DSPIC33EP256MC302T-E/MM

PIC24EP256GP202T-E/MM

PIC24EP256MC202T-E/MM

PIC24EP32MC202-E/MM021

DSPIC33EP32GP502-E/MM

DSPIC33EP32MC202-E/MM

DSPIC33EP32MC502-E/MM

PIC24EP32GP202-E/MM

PIC24EP32MC202-E/MM

DSPIC33EP32GP502-I/MM

DSPIC33EP32MC202-I/MM

DSPIC33EP32MC502-I/MM

PIC24EP32GP202-I/MM

PIC24EP32MC202-I/MM

DSPIC33EP32MC202-H/MM

DSPIC33EP32GP502T-I/MM

DSPIC33EP32MC202T-I/MM

DSPIC33EP32MC502T-I/MM

PIC24EP32GP202T-I/MM

PIC24EP32MC202T-E/MM021

DSPIC33EP32GP502T-E/MM

DSPIC33EP32MC202T-E/MM

DSPIC33EP32MC502T-E/MM

PIC24EP32GP202T-E/MM

DSPIC33EP64GS402-E/MMC02

DSPIC33EP16GS502-E/MMC03

DSPIC33EP64GS502-E/MM

DSPIC33EP32GS502-E/MM

DSPIC33EP16GS502-E/MM

DSPIC33EP32GS402-I/MMC01

DSPIC33EP64GS402-I/MMC02

DSPIC33EP64GS502-I/MMC07

DSPIC33EP64GS502-I/MMC12

DSPIC33EP32GS402-I/MM

DSPIC33EP64GS502-I/MM

DSPIC33EP32GS502-I/MM

DSPIC33EP16GS502-I/MM

DSPIC33EP32GS402T-I/MMC01

DSPIC33EP64GS402T-I/MMC02

DSPIC33EP64GS502T-I/MMC07

DSPIC33EP64GS502T-I/MMC12

DSPIC33EP32GS402T-I/MM

DSPIC33EP64GS502T-I/MM

DSPIC33EP32GS502T-I/MM

DSPIC33EP16GS502T-I/MM

DSPIC33EP64GS402T-E/MMC02

DSPIC33EP64GS502T-E/MM

DSPIC33EP32GS502T-E/MM

DSPIC33EP16GS502T-E/MM

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DSPIC33EV128GM002-E/MM
DSPIC33EV128GM102-E/MM
DSPIC33EV64GM002-E/MM
DSPIC33EV64GM102-E/MM
DSPIC33EV32GM002-E/MM
DSPIC33EV32GM102-E/MM
DSPIC33EV128GM002-I/MM
DSPIC33EV128GM102-I/MM
DSPIC33EV64GM002-I/MM
DSPIC33EV64GM102-I/MM
DSPIC33EV32GM002-I/MM
DSPIC33EV32GM102-I/MM
DSPIC33EV128GM002-H/MM
DSPIC33EV128GM102-H/MM
DSPIC33EV64GM002-H/MM
DSPIC33EV64GM102-H/MM
DSPIC33EV32GM002-H/MM
DSPIC33EV32GM102-H/MM
DSPIC33EV128GM002T-I/MM
DSPIC33EV128GM102T-I/MM
DSPIC33EV64GM002T-I/MM
DSPIC33EV64GM102T-I/MM
DSPIC33EV32GM002T-I/MM
DSPIC33EV32GM102T-I/MM
DSPIC33EV256GM002-E/MM
DSPIC33EV256GM102-E/MM
DSPIC33EV256GM002-I/MM
DSPIC33EV256GM102-I/MM
DSPIC33EV256GM002-H/MM
DSPIC33EV256GM102-H/MM
DSPIC33EV256GM002T-I/MM
DSPIC33EV256GM102T-I/MM
PIC24FJ64GB202-E/MM
PIC24FJ128GB202-I/MM
PIC24FJ64GB202-I/MM
PIC24FJ128GB202T-I/MM
PIC24FJ64GB202T-I/MM
PIC24FJ128GA202-E/MM
PIC24FJ64GA202-E/MM
PIC24FJ128GA202-I/MM
PIC24FJ64GA202-I/MM
PIC24FJ128GA202T-I/MM
PIC24FJ64GA202T-I/MM
PIC32MX174F256B-I/MM
PIC32MX274F256B-I/MM
PIC32MX154F128B-I/MM
PIC32MX254F128B-I/MM
PIC32MX174F256B-V/MM
PIC32MX274F256B-V/MM

JAPON-28ACMH770 - CCB 4156.001 and 4156.002 Final Notice: Qualification of palladium coated copper with gold flash (CuPdAu) bond wire for selected products available in 44L QFN (8x8x0.9mm), 28L QFN-S (6x6x0.9mm) and 28L QFN (6x6x0.9mm) packages at MTAI assembly site.

PIC32MX154F128B-V/MM
PIC32MX254F128B-V/MM
PIC32MX174F256BT-V/MM
PIC32MX274F256BT-V/MM
PIC32MX154F128BT-V/MM
PIC32MX254F128BT-V/MM
PIC32MX174F256BT-I/MM
PIC32MX274F256BT-I/MM
PIC32MX154F128BT-I/MM
PIC32MX254F128BT-I/MM
PIC32MX120F032B-I/ML
PIC32MX110F016B-I/ML
PIC32MX220F032B-I/ML
PIC32MX210F016B-I/ML
PIC32MX120F032B-V/ML
PIC32MX110F016B-V/ML
PIC32MX220F032B-V/ML
PIC32MX210F016B-V/ML
PIC32MX120F032BT-V/ML
PIC32MX110F016BT-V/ML
PIC32MX220F032BT-V/ML
PIC32MX210F016BT-V/ML
PIC32MX120F032BT-I/ML
PIC32MX110F016BT-I/ML
PIC32MX220F032BT-I/ML
PIC32MX210F016BT-I/ML
PIC32MX120F032B-50I/ML
PIC32MX220F032B-50I/ML
PIC32MX120F032BT-50I/ML
PIC32MX220F032BT-50I/ML
SSC7150-ML-AB0
SSC7150-ML-AB1
PIC32MX150F128B-I/ML
PIC32MX130F064B-I/ML
PIC32MX250F128B-I/ML
PIC32MX230F064B-I/ML
PIC32MX150F128B-V/ML
PIC32MX130F064B-V/ML
PIC32MX250F128B-V/ML
PIC32MX230F064B-V/ML
PIC32MX150F128BT-V/ML
PIC32MX130F064BT-V/ML
PIC32MX250F128BT-V/ML
PIC32MX230F064BT-V/ML
SSC7150-ML-AB0-TR
SSC7150-ML-AB1-TR
PIC32MX250F128BT-I/ML028
PIC32MX150F128BT-I/ML
PIC32MX130F064BT-I/ML

JAON-28ACMH770 - CCB 4156.001 and 4156.002 Final Notice: Qualification of palladium coated copper with gold flash (CuPdAu) bond wire for selected products available in 44L QFN (8x8x0.9mm), 28L QFN-S (6x6x0.9mm) and 28L QFN (6x6x0.9mm) packages at MTAI assembly site.

PIC32MX250F128BT-I/ML

PIC32MX230F064BT-I/ML

PIC32MX150F128B-50I/ML

PIC32MX250F128B-50I/ML

PIC32MX150F128BT-50I/ML

PIC32MX250F128BT-50I/ML

JAON-28ACMH770 - CCB 4156.001 and 4156.002 Final Notice: Qualification of palladium coated copper with gold flash (CuPdAu) bond wire for selected products available in 44L QFN (8x8x0.9mm), 28L QFN-S (6x6x0.9mm) and 28L QFN (6x6x0.9mm) packages at MTAI assembly site.

Affected Catalog Part Numbers(CPN)

ENC424J600-I/ML
ENC424J600T-I/ML
DSPIC33EP512GP504-E/ML
DSPIC33EP512MC204-E/ML
DSPIC33EP512MC504-E/ML
PIC24EP512GP204-E/ML
PIC24EP512MC204-E/ML
DSPIC33EP512GP504-I/ML
DSPIC33EP512MC204-I/ML
DSPIC33EP512MC504-I/ML
PIC24EP512GP204-I/ML
PIC24EP512MC204-I/ML
DSPIC33EP512GP504T-H/ML
DSPIC33EP512MC204T-H/ML
DSPIC33EP512MC504T-H/ML
PIC24EP512GP204T-H/ML
PIC24EP512MC204T-H/ML
DSPIC33EP512GP504-H/ML
DSPIC33EP512MC204-H/ML
DSPIC33EP512MC504-H/ML
PIC24EP512GP204-H/ML
PIC24EP512MC204-H/ML
DSPIC33EP512GP504T-I/ML
DSPIC33EP512MC204T-I/ML
DSPIC33EP512MC504T-I/ML
PIC24EP512GP204T-I/ML
PIC24EP512MC204T-I/ML
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DSPIC33EP512MC504T-E/ML
PIC24EP512GP204T-E/ML
PIC24EP512MC204T-E/ML
DSPIC33EP64GP504-E/ML
DSPIC33EP64MC204-E/ML
DSPIC33EP64MC504-E/ML
PIC24EP64GP204-E/ML
PIC24EP64MC204-E/ML
DSPIC33EP64GP504-I/MLA3
DSPIC33EP64GP504-I/ML
DSPIC33EP64MC204-I/ML

DSPIC33EP64MC504-I/ML
PIC24EP64GP204-I/ML
PIC24EP64MC204-I/ML
DSPIC33EP64GP504T-H/ML
DSPIC33EP64MC204T-H/ML
DSPIC33EP64MC504T-H/ML
PIC24EP64GP204T-H/ML
PIC24EP64MC204T-H/ML
DSPIC33EP64GP504-H/ML
DSPIC33EP64MC204-H/ML
DSPIC33EP64MC504-H/ML
PIC24EP64GP204-H/ML
PIC24EP64MC204-H/ML
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DSPIC33EP64MC504T-I/ML
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DSPIC33EP128MC504-E/ML
PIC24EP128GP204-E/ML
PIC24EP128MC204-E/ML
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DSPIC33EP128MC204-I/ML
DSPIC33EP128MC504-I/ML
PIC24EP128GP204-I/ML
PIC24EP128MC204-I/ML
DSPIC33EP128MC504T-H/ML
DSPIC33EP128GP504-H/ML
DSPIC33EP128MC204-H/ML
DSPIC33EP128MC504-H/ML
PIC24EP128GP204-H/ML
PIC24EP128MC204-H/ML
DSPIC33EP128GP504T-I/ML
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PIC24EP128GP204T-I/ML
PIC24EP128MC204T-I/ML
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DSPIC33EP128MC204T-E/ML
DSPIC33EP128MC504T-E/ML

DSPIC33EP256GP504-E/ML
DSPIC33EP256MC204-E/ML
DSPIC33EP256MC504-E/ML
PIC24EP256GP204-E/ML
PIC24EP256MC204-E/ML
HA7619-I/ML027
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DSPIC33EP256MC204-I/ML
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PIC24EP256MC204-I/ML
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DSPIC33EP256MC204T-H/ML
DSPIC33EP256MC504T-H/ML
PIC24EP256GP204T-H/ML
PIC24EP256MC204T-H/ML
DSPIC33EP256GP504-H/ML
DSPIC33EP256MC204-H/ML
DSPIC33EP256MC504-H/ML
PIC24EP256GP204-H/ML
PIC24EP256MC204-H/ML
HA7619T-I/ML025
HA7619T-I/ML027
PIC24EP256GP204T-I/ML029
DSPIC33EP256GP504T-I/ML
DSPIC33EP256MC204T-I/ML
DSPIC33EP256MC504T-I/ML
PIC24EP256GP204T-I/ML
PIC24EP256MC204T-I/ML
DSPIC33EP256MC204T-E/MLC02
DSPIC33EP256GP504T-E/ML
DSPIC33EP256MC204T-E/ML
DSPIC33EP256MC504T-E/ML
PIC24EP256GP204T-E/ML
PIC24EP256MC204T-E/ML
DSPIC33EP32GP504-E/ML
DSPIC33EP32MC204-E/ML
DSPIC33EP32MC504-E/ML
PIC24EP32GP204-E/ML
PIC24EP32MC204-E/ML
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DSPIC33EP32MC204-I/ML
DSPIC33EP32MC504-I/ML
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PIC24EP32MC204-I/ML
DSPIC33EP32GP504T-H/ML
DSPIC33EP32MC204T-H/ML

DSPIC33EP32MC504T-H/ML
PIC24EP32GP204T-H/ML
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DSPIC33EP32GP504-H/ML
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PIC24EP32MC204T-E/ML
WP200TX01-E/ML001
DSPIC33EP64GS504-E/MLC06
DSPIC33EP64GS504-E/ML
DSPIC33EP32GS504-E/ML
DSPIC33EP16GS504-E/ML
DSPIC33EP32GS504-I/MLC09
DSPIC33EP32GS504-I/MLC10
DSPIC33EP64GS504-I/MLC11
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DSPIC33EP32GS504T-I/MLC10
DSPIC33EP64GS504T-I/MLC11
DSPIC33EP64GS504T-I/ML
DSPIC33EP32GS504T-I/ML
DSPIC33EP16GS504T-I/ML
WP200TX01T-E/ML001
DSPIC33EP64GS504T-E/ML
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DSPIC33EP16GS504T-E/ML
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DSPIC33EP128GM304-I/ML
DSPIC33EP128GM604-I/ML

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DSPIC33EP512GM304-I/ML
DSPIC33EP512GM604-I/ML
DSPIC33EV128GM004-E/ML
DSPIC33EV128GM104-E/ML
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PIC24FJ128GB204-I/ML
PIC24FJ64GB204-I/ML
PIC24FJ128GB204T-I/ML
PIC24FJ64GA204-E/ML
PIC24FJ128GA204-I/ML
PIC24FJ64GA204-I/ML
PIC24FJ128GA204T-I/ML
PIC24FJ64GA204T-I/ML
PIC32MX174F256D-I/ML

PIC32MX274F256D-I/ML
PIC32MX154F128D-I/ML
PIC32MX254F128D-I/ML
PIC32MX174F256D-V/ML
PIC32MX274F256D-V/ML
PIC32MX154F128D-V/ML
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PIC32MX154F128DT-V/ML
PIC32MX254F128DT-V/ML
PIC32MX174F256DT-I/ML
PIC32MX274F256DT-I/ML
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PIC32MX254F128DT-I/ML
MTCH6301-I/ML
PIC32MX120F032D-I/ML
PIC32MX110F016D-I/ML
PIC32MX220F032D-I/ML
PIC32MX210F016D-I/ML
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PIC32MX130F064DT-V/ML

PIC32MX250F128DT-V/ML
PIC32MX230F064DT-V/ML
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PIC32MX270F256DT-50I/ML
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DSPIC33EP512MC202-E/MM
DSPIC33EP512MC502-E/MM
PIC24EP512GP202-E/MM
DSPIC33EP512GP502-I/MM
DSPIC33EP512MC202-I/MM
DSPIC33EP512MC502-I/MM
PIC24EP512GP202-I/MM
PIC24EP512MC202-I/MM
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DSPIC33EP512MC202T-H/MM
DSPIC33EP512MC502T-H/MM
PIC24EP512GP202T-H/MM
PIC24EP512MC202T-H/MM
DSPIC33EP512GP502-H/MM
DSPIC33EP512MC202-H/MM
DSPIC33EP512MC502-H/MM
PIC24EP512GP202-H/MM
PIC24EP512MC202-H/MM
DSPIC33EP512GP502T-I/MM
DSPIC33EP512GP502T-E/MM
DSPIC33EP512MC502T-E/MM
DSPIC33EP64GP502-E/MM
DSPIC33EP64MC202-E/MM

DSPIC33EP64MC502-E/MM
PIC24EP64GP202-E/MM
PIC24EP64MC202-E/MM
DSPIC33EP64GP502-I/MM
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PIC24EP64MC202-I/MM
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DSPIC33EP64MC502-H/MM
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PIC24EP64MC202T-E/MM
DSPIC33EP128MC202-E/MM
PIC24EP128GP202-E/MM
PIC24EP128GP202-I/MM038
DSPIC33EP128GP502-I/MM
DSPIC33EP128MC202-I/MM
DSPIC33EP128MC502-I/MM
PIC24EP128GP202-I/MM
PIC24EP128GP202T-I/MM038
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DSPIC33EP128MC202T-E/MM
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PIC24EP256GP202-E/MM
PIC24EP256MC202-E/MM
HA7619-I/MM028
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DSPIC33EP256MC202-I/MM

DSPIC33EP256MC502-I/MM
PIC24EP256GP202-I/MM
PIC24EP256MC202-I/MM
DSPIC33EP256GP502T-H/MM
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DSPIC33EP32GP502T-I/MM
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DSPIC33EP32MC202T-E/MM
DSPIC33EP32MC502T-E/MM
PIC24EP32GP202T-E/MM
DSPIC33EP64GS402-E/MMC02
DSPIC33EP16GS502-E/MMC03

DSPIC33EP64GS502-E/MM
DSPIC33EP32GS502-E/MM
DSPIC33EP16GS502-E/MM
DSPIC33EP32GS402-I/MMC01
DSPIC33EP64GS402-I/MMC02
DSPIC33EP64GS502-I/MMC07
DSPIC33EP64GS502-I/MMC12
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DSPIC33EP64GS502-I/MM
DSPIC33EP32GS502-I/MM
DSPIC33EP16GS502-I/MM
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DSPIC33EP64GS402T-I/MMC02
DSPIC33EP64GS502T-I/MMC07
DSPIC33EP64GS502T-I/MMC12
DSPIC33EP32GS402T-I/MM
DSPIC33EP64GS502T-I/MM
DSPIC33EP32GS502T-I/MM
DSPIC33EP16GS502T-I/MM
DSPIC33EP64GS402T-E/MMC02
DSPIC33EP64GS502T-E/MM
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DSPIC33EP16GS502T-E/MM
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DSPIC33EV128GM102-E/MM
DSPIC33EV64GM002-E/MM
DSPIC33EV64GM102-E/MM
DSPIC33EV32GM002-E/MM
DSPIC33EV32GM102-E/MM
DSPIC33EV128GM002-I/MM
DSPIC33EV128GM102-I/MM
DSPIC33EV64GM002-I/MM
DSPIC33EV64GM102-I/MM
DSPIC33EV32GM002-I/MM
DSPIC33EV32GM102-I/MM
DSPIC33EV128GM002-H/MM
DSPIC33EV128GM102-H/MM
DSPIC33EV64GM002-H/MM
DSPIC33EV64GM102-H/MM
DSPIC33EV32GM002-H/MM
DSPIC33EV32GM102-H/MM
DSPIC33EV128GM002T-I/MM
DSPIC33EV128GM102T-I/MM
DSPIC33EV64GM002T-I/MM
DSPIC33EV64GM102T-I/MM
DSPIC33EV32GM002T-I/MM
DSPIC33EV32GM102T-I/MM

DSPIC33EV256GM002-E/MM
DSPIC33EV256GM102-E/MM
DSPIC33EV256GM002-I/MM
DSPIC33EV256GM102-I/MM
DSPIC33EV256GM002-H/MM
DSPIC33EV256GM102-H/MM
DSPIC33EV256GM002T-I/MM
DSPIC33EV256GM102T-I/MM
PIC24FJ64GB202-E/MM
PIC24FJ128GB202-I/MM
PIC24FJ64GB202-I/MM
PIC24FJ128GB202T-I/MM
PIC24FJ64GB202T-I/MM
PIC24FJ128GA202-E/MM
PIC24FJ64GA202-E/MM
PIC24FJ128GA202-I/MM
PIC24FJ64GA202-I/MM
PIC24FJ128GA202T-I/MM
PIC24FJ64GA202T-I/MM
PIC32MX174F256B-I/MM
PIC32MX274F256B-I/MM
PIC32MX154F128B-I/MM
PIC32MX254F128B-I/MM
PIC32MX174F256B-V/MM
PIC32MX274F256B-V/MM
PIC32MX154F128B-V/MM
PIC32MX254F128B-V/MM
PIC32MX174F256BT-V/MM
PIC32MX274F256BT-V/MM
PIC32MX154F128BT-V/MM
PIC32MX254F128BT-V/MM
PIC32MX174F256BT-I/MM
PIC32MX274F256BT-I/MM
PIC32MX154F128BT-I/MM
PIC32MX254F128BT-I/MM
PIC32MX120F032B-I/ML
PIC32MX110F016B-I/ML
PIC32MX220F032B-I/ML
PIC32MX210F016B-I/ML
PIC32MX120F032B-V/ML
PIC32MX110F016B-V/ML
PIC32MX220F032B-V/ML
PIC32MX210F016B-V/ML
PIC32MX120F032BT-V/ML
PIC32MX110F016BT-V/ML
PIC32MX220F032BT-V/ML
PIC32MX210F016BT-V/ML

PIC32MX120F032BT-I/ML
PIC32MX110F016BT-I/ML
PIC32MX220F032BT-I/ML
PIC32MX210F016BT-I/ML
PIC32MX120F032B-50I/ML
PIC32MX220F032B-50I/ML
PIC32MX120F032BT-50I/ML
PIC32MX220F032BT-50I/ML
SSC7150-ML-AB0
SSC7150-ML-AB1
PIC32MX150F128B-I/ML
PIC32MX130F064B-I/ML
PIC32MX250F128B-I/ML
PIC32MX230F064B-I/ML
PIC32MX150F128B-V/ML
PIC32MX130F064B-V/ML
PIC32MX250F128B-V/ML
PIC32MX230F064B-V/ML
PIC32MX150F128BT-V/ML
PIC32MX130F064BT-V/ML
PIC32MX250F128BT-V/ML
PIC32MX230F064BT-V/ML
SSC7150-ML-AB0-TR
SSC7150-ML-AB1-TR
PIC32MX250F128BT-I/ML028
PIC32MX150F128BT-I/ML
PIC32MX130F064BT-I/ML
PIC32MX250F128BT-I/ML
PIC32MX230F064BT-I/ML
PIC32MX150F128B-50I/ML
PIC32MX250F128B-50I/ML
PIC32MX150F128BT-50I/ML
PIC32MX250F128BT-50I/ML



QUALIFICATION REPORT SUMMARY

RELIABILITY LABORATORY

PCN #: JAON-28ACMH770

Date
June 11, 2020

Qualification of palladium coated copper with gold flash (CuPdAu) bond wire for selected products available in 64L QFN (9x9x0.9mm) package at MTAI assembly site. The qualification of CuPdAu bond wire for selected products available in 44L QFN (8x8x0.9mm), 28L QFN-S (6x6x0.9mm) and 28L QFN (6x6x0.9mm) packages will qualify by similarity (QBS).



MICROCHIP PACKAGE QUALIFICATION REPORT

Purpose Qualification of palladium coated copper with gold flash (CuPdAu) bond wire for selected products available in 64L QFN (9x9x0.9mm) package at MTAI assembly site. The qualification of CuPdAu bond wire for selected products available in 44L QFN (8x8x0.9mm), 28L QFN-S (6x6x0.9mm) and 28L QFN (6x6x0.9mm) packages will qualify by similarity (QBS).

CN ES338496

QUAL ID R2000128 rev A

MP CODE TLAk17R4XQDB

Part No. DSPIC33EP256GM306-I/MR

Bonding No. BDM-002348 Rev. A

CCB No. 4156, 4156.001 and 4156.002

Package

Type 64L QFN

Package size 9x9x0.9 mm

Lead Frame

Paddle size 264 x 264 mils

Material C194

Surface Bare Cu DAP

Process Etched

Lead Lock Yes

Part Number 10106409

Material

Epoxy 3280

Wire CuPdAu wire

Mold Compound G700LTD

Plating Composition Matte Tin



MICROCHIP PACKAGE QUALIFICATION REPORT

Manufacturing Information

Assembly Lot No.	Wafer Lot No.
MTAI204702400.000	TC11920432228.110
MTAI204702401.000	TC11920432228.120
MTAI204702849.000	TC11920432228.110

Result

Pass

Fail

64L QFN (9x9x0.9 mm) assembled by MTAI pass reliability test per QCI-39000. This package was qualified the Moisture/Reflow Sensitivity Classification Level 1 at 260°C reflow temperature per IPC/JEDEC J-STD-020E standard.

PACKAGE QUALIFICATION REPORT

Test Number (Reference)	Test Condition	Standard / Method	Qty. (Acc.)	Def/SS	Result	Remarks
<u>Precondition</u> <u>Prior Perform</u> <u>Reliability Tests</u> (At MSL Level 1)	<p>Electrical Test: +25°C and 85°C System: J750</p> <p>Bake 150°C, 24 hrs System: CHINEE</p> <p>85°C/85%RH Moisture Soak 168 hrs. System: TABAI ESPEC Model PR-3SPH</p> <p>3x Convection-Reflow 265°C max System: Vitronics Soltec MR1243</p> <p>Electrical Test: +25°C and 85°C System: J750</p>	<p>JESD22- A113</p> <p>JIP/ IPC/JEDE</p> <p>C J-STD- 020E</p>	<p>693(0)</p>	<p>693</p> <p>693</p> <p>693</p> <p>693</p> <p>0/693</p>	<p>Pass</p>	<p>Good Devices</p>

PACKAGE QUALIFICATION REPORT

Test Number (Reference)	Test Condition	Standard/ Method	Qty. (Acc.)	Def/SS.	Result	Remarks
Temp Cycle	Stress Condition: -65°C to +150°C, 500 Cycles System: TABAI ESPEC TSA-70H Electrical Test: + 85°C System: J750	JESD22-A104		231		Parts had been pre-conditioned at 260°C 77 units / lot
	Stress Condition: -65°C to +150°C, 1000 Cycles System: TABAI ESPEC TSA-70H Electrical Test: +85°C System: J750		231(0)	0/231	Pass	
	Bond Strength: Wire Pull (> 2.5 grams) Bond Shear (>15.00 grams)		15 (0)	0/15	Pass	
			15 (0)	0/15	Pass	
UNBIASED-HAST	Stress Condition: +130°C/85%RH, 96 hrs. System: HAST 6000X Electrical Test: +25°C System: J750	JESD22-A118		231		Parts had been pre-conditioned at 260°C 77 units / lot
	Stress Condition: +130°C/85%RH, 192 hrs. System: HAST 6000X Electrical Test: + 25°C System: J750		231(0)	0/231	Pass	
			231(0)	0/231	Pass	
HAST	Stress Condition: +130°C/85%RH, 96 hrs. Bias Volt: 3.6Volts, 1.98 Volts System: HAST 6000X Electrical Test: + 25°C and 85°C System: J750	JESD22-A110		231		Parts had been pre-conditioned at 260°C 77 units / lot
	Stress Condition: +130°C/85%RH, 192 hrs. Bias Volt: 3.6Volts, 1.98 Volts System: HAST 6000X Electrical Test: + 25°C and 85°C System: J750		231(0)	0/231	Pass	
			231(0)	0/231	Pass	

PACKAGE QUALIFICATION REPORT

Test Number (Reference)	Test Condition	Standard/ Method	Qty. (Acc.)	Def/SS.	Result	Remarks
High Temperature Storage Life	Stress Condition: Bake 175°C, 500 hrs System: SHEL LAB Electrical Test: +25°C and 85°C System: J750	JESD22- A103		45		45 units
	Stress Condition: Bake 175°C, 1000 hrs System: SHEL LAB Electrical Test: +25°C and 85°C System: J750		45(0)	0/45	Pass	
			45 (0)	0/45	Pass	
Physical Dimensions	Physical Dimension, 10 units from 1 lot	JESD22- B100/B108	30(0) Units	0/30	Pass	
Bond Strength	Wire Pull (> 2.5 grams)	M2011	30 (0) Wires	0/30	Pass	
Data Assembly	Bond Shear (>15.00 grams)	JESD22- B116	30 (0) bonds	0/30	Pass	