




A Leading Provider of Microcontrollers & Analog Semiconductors

Product Change Notification - CYER-22RLMM034

Date: 04 Mar 2011
Product Category: 32-bit PIC Microcontrollers
Device Family: 
Notification subject: CCB 1033.03: Qualification of YPAA and TDAA masks without polyimide process.
Notification text:

PCN Status:
Initial notification

Microchip Parts Affected:
See attachments of affected catalog part numbers (CPN) labeled as...
PCN_CYER-22RLMM034_Affected_CPN.xls
PCN_CYER-22RLMM034_Affected_CPN.pdf

Description of Change:
Qualification of YPAA and TDAA masks without polyimide process.

Impacts to Data Sheet:
None

Reason for Change:
To Improve Productivity

Change Implementation Status:
In Progress

Estimated First Ship Date:
September 1, 2011 (date code: 1136)

NOTE: Please be advised that during the transition period customers may receive pre and post char due to existing inventory of the pre changed parts.

Markings to Distinguish Revised from Unrevised Devices:
Traceability code

Revision History:
March 4, 2011: Issued initial notification.

Attachment(s): [PCN_CYER-22RLMM034_Affected_CPN.pdf](#)
[PCN_CYER-22RLMM034_Affected_CPN.xls](#)
[PCN_CYER-22RLMM034_Qual Plan.pdf](#)

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

Terms and Conditions:

If you wish to change your product/process change notification (PCN) profile please log on to our website at <http://www.microchip.com/PCN> sign into myMICROCHIP to myMICROCHIP home page, then select a profile option from the left navigation bar.

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 acc on "Update profile" and un-check the box that states "Future offers or information about Microchip's products or services."



MICROCHIP

QUALIFICATION PLAN

PCN #: CYER-22RLMM034

February 21, 2011

Qualification of the YPAA mask without polyimide process. Mask TDAA will qualify by similarity.

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	Special Instructions
Wire Bond Pull - WBP	Mil. Std. 883-2011	5	0	1	10	0 fails after TC	5	30 bonds from a min. 5 devices.
Wire Bond Shear - WBS	CDF-AEC-Q100-001	5	0	1	10	0 fails after TC	5	30 bonds from a min. 5 devices.
External Visual	Mil. Std. 883-2009/2010	All devices prior to submission for qualification testing	0	1	ALL	0	5	
HTSL (High Temp Storage Life)	+175 C for 500 hours. Electrical test pre and post stress at +25C and +85C.	45	5	1	100	0	10	Spares should be properly identified
Preconditioning - Required for surface mount devices	+150°C Bake for 24 hours. 85°C/85% RH for 168 hrs + 3X reflow at 260°C peak (MSL 1); Electrical test pre and post stress at +25°C.	231	5	1	472	0	15	Spares should be properly identified

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	Special Instructions
HAST	+130°C/85% RH for 96 hours. Electrical test pre and post stress at +25°C and +85°C.	77	5	1	164	0	10	Spares should be properly identified. Use the parts which have gone through Pre-conditioning.
Autoclave	+121°C/15 psig for 96 hours. Electrical test pre and post stress at +25°C	77	5	1	164	0	10	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 +85°C; 3 gram force WBP, on 5 devices from 1 lot, test following each read point.	77	5	1	164	0	15	Spares should be properly identified. Use the parts which have gone through Pre-conditioning.

PCN_CYER-22RLMM034
CATALOG_PART_NBR
PIC32MX320F032H-40I/MR
PIC32MX320F032H-40I/PT
PIC32MX320F032HT-40I/MR
PIC32MX320F032HT-40I/PT
PIC32MX320F064H-40I/MR
PIC32MX320F064H-40I/PT
PIC32MX320F064H-80I/MR
PIC32MX320F064H-80I/PT
PIC32MX320F064HT-40I/MR
PIC32MX320F064HT-40I/PT
PIC32MX320F064HT-80I/MR
PIC32MX320F064HT-80I/PT
PIC32MX320F128H-80I/MR
PIC32MX320F128H-80I/PT
PIC32MX320F128HT-80I/MR
PIC32MX320F128HT-80I/PT
PIC32MX320F128L-80I/BG
PIC32MX320F128L-80I/PT
PIC32MX320F128LT-80I/BG
PIC32MX320F128LT-80I/PT
PIC32MX340F128H-80I/MR
PIC32MX340F128H-80I/PT
PIC32MX340F128HT-80I/MR
PIC32MX340F128HT-80I/PT
PIC32MX340F128L-80I/BG
PIC32MX340F128L-80I/PT
PIC32MX340F128LT-80I/BG
PIC32MX340F128LT-80I/PT
PIC32MX340F256H-80I/MR
PIC32MX340F256H-80I/PT
PIC32MX340F256HT-80I/MR
PIC32MX340F256HT-80I/MR022
PIC32MX340F256HT-80I/PT
PIC32MX340F512H-80I/MR
PIC32MX340F512H-80I/PT
PIC32MX340F512HT-80I/MR
PIC32MX340F512HT-80I/PT
PIC32MX360F256L-80I/BG
PIC32MX360F256L-80I/PT
PIC32MX360F256LT-80I/BG
PIC32MX360F256LT-80I/PT
PIC32MX360F512L-80I/BG
PIC32MX360F512L-80I/PT
PIC32MX360F512LT-80I/BG
PIC32MX360F512LT-80I/PT
PIC32MX420F032H-40I/MR
PIC32MX420F032H-40I/PT
PIC32MX420F032HT-40I/MR
PIC32MX420F032HT-40I/PT
PIC32MX440F128H-80I/MR

PIC32MX440F128H-80I/PT
PIC32MX440F128HT-80I/MR
PIC32MX440F128HT-80I/PT
PIC32MX440F128L-80I/BG
PIC32MX440F128L-80I/PT
PIC32MX440F128LT-80I/BG
PIC32MX440F128LT-80I/PT
PIC32MX440F256H-80I/MR
PIC32MX440F256H-80I/PT
PIC32MX440F256HT-80I/MR
PIC32MX440F256HT-80I/PT
PIC32MX440F512H-80I/MR
PIC32MX440F512H-80I/PT
PIC32MX440F512HT-80I/MR
PIC32MX440F512HT-80I/PT
PIC32MX460F256L-80I/BG
PIC32MX460F256L-80I/PT
PIC32MX460F256LT-80I/BG
PIC32MX460F256LT-80I/PT
PIC32MX460F512L-80I/BG
PIC32MX460F512L-80I/PT
PIC32MX460F512LT-80I/BG
PIC32MX460F512LT-80I/PT
PIC32MX575F256H-80I/MR
PIC32MX575F256H-80I/PT
PIC32MX575F256H-80V/PTC21
PIC32MX575F256HT-80I/MR
PIC32MX575F256HT-80I/PT
PIC32MX575F256L-80I/BG
PIC32MX575F256L-80I/PF
PIC32MX575F256L-80I/PT
PIC32MX575F256L-80I/PTV01
PIC32MX575F256LT-80I/BG
PIC32MX575F256LT-80I/PF
PIC32MX575F256LT-80I/PT
PIC32MX575F256LT-80V/PFC21
PIC32MX575F512H-80I/MR
PIC32MX575F512H-80I/PT
PIC32MX575F512HT-80I/MR
PIC32MX575F512HT-80I/PT
PIC32MX575F512L-80I/BG
PIC32MX575F512L-80I/PF
PIC32MX575F512L-80I/PT
PIC32MX575F512LT-80I/BG
PIC32MX575F512LT-80I/PF
PIC32MX575F512LT-80I/PT
PIC32MX675F256H-80I/MR
PIC32MX675F256H-80I/PT
PIC32MX675F256HT-80I/MR
PIC32MX675F256HT-80I/PT
PIC32MX675F256L-80I/BG
PIC32MX675F256L-80I/PF

PIC32MX675F256L-80I/PT
PIC32MX675F256LT-80I/BG
PIC32MX675F256LT-80I/PF
PIC32MX675F256LT-80I/PT
PIC32MX675F512H-80I/MR
PIC32MX675F512H-80I/PT
PIC32MX675F512HT-80I/MR
PIC32MX675F512HT-80I/PT
PIC32MX675F512L-80I/BG
PIC32MX675F512L-80I/PF
PIC32MX675F512L-80I/PT
PIC32MX675F512LT-80I/BG
PIC32MX675F512LT-80I/PF
PIC32MX675F512LT-80I/PT
PIC32MX695F512H-80I/MR
PIC32MX695F512H-80I/PT
PIC32MX695F512HT-80I/MR
PIC32MX695F512HT-80I/PT
PIC32MX695F512L-80I/BG
PIC32MX695F512L-80I/PF
PIC32MX695F512L-80I/PT
PIC32MX695F512LT-80I/BG
PIC32MX695F512LT-80I/PF
PIC32MX695F512LT-80I/PT
PIC32MX775F256H-80I/MR
PIC32MX775F256H-80I/PT
PIC32MX775F256HT-80I/MR
PIC32MX775F256HT-80I/PT
PIC32MX775F256L-80I/BG
PIC32MX775F256L-80I/PF
PIC32MX775F256L-80I/PT
PIC32MX775F256LT-80I/BG
PIC32MX775F256LT-80I/PF
PIC32MX775F256LT-80I/PT
PIC32MX775F512H-80I/MR
PIC32MX775F512H-80I/PT
PIC32MX775F512HT-80I/MR
PIC32MX775F512HT-80I/PT
PIC32MX775F512L-80I/BG
PIC32MX775F512L-80I/PF
PIC32MX775F512L-80I/PT
PIC32MX775F512LT-80I/BG
PIC32MX775F512LT-80I/PF
PIC32MX775F512LT-80I/PT
PIC32MX795F512H-80I/MR
PIC32MX795F512H-80I/PT
PIC32MX795F512HT-80I/MR
PIC32MX795F512HT-80I/PT
PIC32MX795F512L-80I/BG
PIC32MX795F512L-80I/PF
PIC32MX795F512L-80I/PT
PIC32MX795F512LT-80I/BG

PIC32MX795F512LT-80I/PF
PIC32MX795F512LT-80I/PT
PIC32MX795F512LT-80I/PTE21