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Product Change Notification - CYER-03VDOW506

Date: 03 Aug 2010
Product Category: 16-bit Microcontrollers and Digital Signal Controllers; All 16-bit Microcontrollers
Device Family: 
Notification subject: CCB# 979: Qualification of YGAGx products at an additional wafer fabrication site.
Notification text:

PCN Status:
Final notification

Microchip Part#s Affected:
See attachments of affected catalog part numbers (CPN) labeled as...
PCN_CYER-03VDOW506_Affected_CPN.xls
PCN_CYER-03VDOW506_Affected_CPN.pdf

Description of Change:
Qualification of YGAGx products at an additional wafer fabrication site.

Impacts to Data Sheet:
None

Reason for Change:
To Improve production cycle time and on-time delivery performance

Change Implementation Status:
In Progress

Estimated First Ship Date:
September 1, 2010 (Date code 1036)

NOTE: Please be advised that after the first ship date customers may receive the affected products wafer fab.

Markings to Distinguish Revised from Unrevised Devices: (e.g.: Date Code, Device Marking, Ship Co Marking)
Traceability code

Attachment(s): [PCN_CYER-03VDOW506_Affected_CPN.pdf](#)
[PCN_CYER-03VDOW506_Affected_CPN.xls](#)
[PCN_CYER-03VDOW506_Qual Memo.pdf](#)

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Date: March 10, 2010

Subject: Qualification results of YGAPx at an additional Fab

From: C. Desai

To: H Pena

CK. Barlingay

CC: A. Natarajan

G. Perzanowski

A. Navarro

The purpose of this memo is to reveal that YGAP1 is qualified at an additional Fab and YGAGx will be qualified by similarity.

High Temperature Dynamic Life Test (DLT/HTOL)

This test is designed to accelerate random failure modes that may occur during normal operation. Devices are programmed with a burn-in program and exercised at a high ambient temperature to simulate field life. 3 lots of PIC18F97J60 devices were subjected to 408 hours of 150°C dynamic life burn-in.

Die Level Results

DYNAMIC LIFE TESTING AT 150°C (HTOL)

	96 Hours	408 Hours
Lot 1	0/211	0/211
Lot 2	0/215	0/209
Lot 3	0/211	0/203

All passing units from the three lots showed a comparator offset of less than 25mV as specified in the data sheet.

LOT	LOT 1	LOT 2	LOT 3
DEVICE	PIC18F97J60	PIC18F97J60	PIC18F97J60
MASK	YGAP1	YGAP1	YGAP1
WAFER LOT	TC11910041643.000	TC11910051660.000	TC11910051650.000
ASSEMBLY LOT	ASAC101100007.000	ASAC101100008.000	ASAC101200004.000
PACKAGE	100L TQFP	100L TQFP	100L TQFP
QUAL #	MTHAI # E09026-04	MTHAI # E09026-05	MTHAI # E09026-06
CN #	C122441/C124263	C122441/C124264	C122441/C124262

Map and probe comparison analysis revealed that the current and additional wafer fab sites are equivalent.

Best regards,
Chintan Desai
Reliability Engineer

PCN_CYER-03VDOW506
CATALOG_PART_NBR
DSPIC33FJ128GP206-I/PT
DSPIC33FJ128GP206T-I/PT
DSPIC33FJ128GP306-I/PT
DSPIC33FJ128GP306T-I/PT
DSPIC33FJ128GP310-I/PF
DSPIC33FJ128GP310-I/PT
DSPIC33FJ128GP310T-I/PF
DSPIC33FJ128GP310T-I/PT
DSPIC33FJ128GP706-I/PT
DSPIC33FJ128GP706-I/PTB21
DSPIC33FJ128GP706-I/PTB22
DSPIC33FJ128GP706T-I/PT
DSPIC33FJ128GP706T-I/PT025
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