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Date: 12 May 2011

Product Category: Memory

Device Family:  

Notification subject: CCB 1056: Qualification of 48B TFBGA at PTI_SZ Assembly Site.

Notification text: PCN Status:
Initial notification

Microchip Parts Affected:
See attachments of affected catalog part numbers (CPN) labeled as...
PCN_CYER-29MZFB817_Affected_CPN.xls
PCN_CYER-29MZFB817_Affected_CPN.pdf

Description of Change:
Qualification of 48B TFBGA package at PTI_SZ assembly site.

Impacts to Data Sheet:
None

Reason for Change:
To Improve On-Time Delivery Performance

Change Implementation Status:
In Progress

Estimated First Ship Date:
October 14, 2011 (date code: 1142)

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

Markings to Distinguish Revised from Unrevised Devices:
Traceability code

Revision History:
May 12, 2011: Issued initial notification.

Attachment(s):

[PCN_CYER-29MZFB817_Affected_CPN.pdf](#) [PCN_CYER-29MZFB817_Affected_CPN.xls](#)
[PCN_CYER-29MZFB817_Qual Plan.pdf](#)

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

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Product Change Notification - CYER-29MZFB817

PCN_CYER-29MZFB817
CATALOG PART NBR
SST38VF6401-90-5C-B3KE
SST38VF6401-90-5I-B3KE
SST38VF6402-90-5C-B3KE
SST38VF6402-90-5I-B3KE
SST38VF6402-90-5I-B3KE-T
SST38VF6403-90-5C-B3KE
SST38VF6403-90-5I-B3KE
SST38VF6404-90-5C-B3KE
SST38VF6404-90-5I-B3KE
SST39LF010-45-4C-B3KE
SST39LF020-45-4C-B3KE
SST39LF020-45-4C-B3KE-T
SST39LF040-45-4C-B3KE
SST39LF040-45-4C-B3KE-T
SST39LF200A-45-4C-B3KE
SST39LF200A-45-4C-B3KE-T
SST39LF200A-55-4C-B3KE
SST39LF200A-55-4C-B3KE-T
SST39LF400A-55-4C-B3KE
SST39LF400A-55-4C-B3KE-T
SST39LF800A-55-4C-B3KE
SST39LF800A-55-4C-B3KE-T
SST39VF010-70-4C-B3KE
SST39VF010-70-4C-B3KE-T
SST39VF010-70-4I-B3KE
SST39VF020-70-4C-B3KE
SST39VF020-70-4C-B3KE-CT036
SST39VF020-70-4C-B3KE-CT036-T
SST39VF020-70-4I-B3KE
SST39VF040-70-4C-B3KE
SST39VF040-70-4C-B3KE-T
SST39VF1601-70-4A-B3KE
SST39VF1601-70-4A-B3KE-ZZ136
SST39VF1601-70-4C-B3KE
SST39VF1601-70-4C-B3KE-CC005
SST39VF1601-70-4C-B3KE-CC005-T
SST39VF1601-70-4C-B3KE-GG013
SST39VF1601-70-4C-B3KE-GG013-T
SST39VF1601-70-4C-B3KE-T
SST39VF1601-70-4I-B3KE
SST39VF1601-70-4I-B3KE-CC005
SST39VF1601-70-4I-B3KE-CC005-T
SST39VF1601-70-4I-B3KE-T
SST39VF1601C-70-4C-B3KE
SST39VF1601C-70-4C-B3KE-T
SST39VF1601C-70-4I-B3KE
SST39VF1601C-70-4I-B3KE-T
SST39VF1602-70-4A-B3KE
SST39VF1602-70-4A-B3KE-ZZ136
SST39VF1602-70-4C-B3KE

SST39VF1602-70-4C-B3KE-T
SST39VF1602-70-4I-B3KE
SST39VF1602-70-4I-B3KE-T
SST39VF1602C-70-4C-B3KE
SST39VF1602C-70-4I-B3KE
SST39VF1602C-70-4I-B3KE-T
SST39VF1602C-70-4I-B3KE-TZ019
SST39VF1602C-70-4I-B3KE-TZ019-T
SST39VF1681-70-4C-B3KE
SST39VF1681-70-4I-B3KE
SST39VF1682-70-4C-B3KE
SST39VF1682-70-4I-B3KE
SST39VF1682-70-4I-B3KE-T
SST39VF200A-70-4C-B3KE
SST39VF200A-70-4C-B3KE-CC004
SST39VF200A-70-4C-B3KE-CC008
SST39VF200A-70-4C-B3KE-DZ022
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SST39VF200A-70-4C-B3KE-T
SST39VF200A-70-4I-B3KE
SST39VF200A-70-4I-B3KE-T
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SST39VF3201-70-4I-B3KE-T
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SST39VF3201B-70-4I-B3KE
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SST39VF3202B-70-4I-B3KE
SST39VF3202B-70-4I-B3KE-T
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SST39VF400A-70-4C-B3KE-CC004
SST39VF400A-70-4C-B3KE-CC004-T
SST39VF400A-70-4C-B3KE-CD010
SST39VF400A-70-4C-B3KE-DD001
SST39VF400A-70-4C-B3KE-DZ022
SST39VF400A-70-4C-B3KE-DZ022-T
SST39VF400A-70-4C-B3KE-T
SST39VF400A-70-4I-B3KE
SST39VF400A-70-4I-B3KE-CC008
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SST39VF6401B-70-4I-B1KE
SST39VF6401B-70-4I-B1KE-T
SST39VF6402B-70-4C-B1KE
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SST39VF800A-70-4C-B3KE-CC004
SST39VF800A-70-4C-B3KE-CC019
SST39VF800A-70-4C-B3KE-PP013-T
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SST39WF1601-70-4I-B3KE
SST39WF1601-70-4I-B3KE-T
SST39WF1601-90-4C-B3KE
SST39WF1601-90-4C-B3KE-T
SST39WF1601-90-4I-B3KE
SST39WF1601-90-4I-B3KE-T
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SST39WF400A-90-4C-B3KE-T
SST39WF400A-90-4I-B3KE
SST39WF400A-90-4I-B3KE-T
SST39WF400B-70-4C-B3KE
SST39WF400B-70-4C-B3KE-T
SST39WF400B-70-4I-B3KE
SST39WF400B-70-4I-B3KE-T
SST39WF800A-90-4C-B3KE
SST39WF800A-90-4C-B3KE-PP013
SST39WF800A-90-4C-B3KE-T
SST39WF800A-90-4I-B3KE
SST39WF800A-90-4I-B3KE-T
SST39WF800B-70-4C-B3KE
SST39WF800B-70-4I-B3KE
SST39WF800B-70-4I-B3KE-T

Parts Affected

SST38VF6401
SST38VF6402
SST38VF6403
SST38VF6404
SST39LF010
SST39LF020
SST39LF040
SST39LF200A
SST39LF400A
SST39LF800A
SST39VF010
SST39VF020
SST39VF040
SST39VF1601
SST39VF1601C
SST39VF1602
SST39VF1602C
SST39VF1681
SST39VF1682
SST39VF200A
SST39VF3201
SST39VF3201B
SST39VF3202
SST39VF3202B
SST39VF400A
SST39VF6401B
SST39VF6402B
SST39VF800A
SST39WF1601
SST39WF1602
SST39WF400A
SST39WF400B
SST39WF800A
SST39WF800B



QUALIFICATION PLAN

PCN#: CYER-29MZFB817

**Date:
April 28, 2011**

Qualification of 48B TFBGA at PTI_SZ Assembly Site

Distribution

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Purpose: _____ Qualification of 48B TFBGA at PTI_SZ Assembly Site.

MP code: _____ MPC-T000778TXMAJ

Part No.: _____ SST39VF3201-70-4I-B3KE-CC005

BD No: _____ SPT-0103 Rev.01 (Engineering BD)

CCB No: _____ 1056

Package:

Type _____ 48B TFBGA

Width or Size _____ 6.0x8.0x1.2 (max) mm

Die thickness: _____ 10 mils

Die size: _____ 218x157 mils

Substrate:

Material: _____ BT Material /UMTC

Core: _____ CCL-HL832NX /MGC

S/M: _____ PSR 4000-AUS-308 /Taiyo

Part Number _____ 048FAWB003

Sold Ball:

Material: _____ SAC405 ϕ 0.45mm / Accurus

Wire:

Material _____ Au wire AT2 /Nippon

Die Attach Epoxy:

Part Number _____ Ablebond 2000/ Henkel

Conductive _____ YES

Mold Compound: _____ GE-100LFCS / Nitto

Reliability Test plan: _____ See attached, STD Package Reliability Test plan on each package.

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
Preconditioning - Required for surface mount devices MSL-3 @ 260°C	+150°C Bake for 24 hours, moisture loading requirements per MSL level + 3X reflow at peak reflow temperature per Jedec-STD-020C for package type; Electrical test pre and post stress at +25°C. JESD22A113	308	20	3	984	0	15	Spares should be properly identified. 231 parts from each lot to be used for HTSL, HAST, & Temp Cycle test.
High Temperature Storage Life (HTSL)	JESD22A-103. 150°C for 1008 hours. Readpoints at 0, 504, and 1008 hours. Electrical test pre and post stress at +25°C and hot temp.	77	5	3	246	0	50	Spare should be properly identified. Use the parts which have gone through Pre-conditioning. For hot temp testing, pre/post test 3 lots at 85°C
HAST	JESD22A110. +130°C/85% RH for 96 hours or +110°C/85% RH for 264 hours. Electrical test pre and post stress at +25°C and hot temp.	77	5	3	246	0	10	Spare should be properly identified. Use the parts which have gone through Pre-conditioning. For hot temp testing, pre/post test 3 lots at 85°C
Unbiased HAST	JESD22A110. +130°C/85% RH for 96 hours or +110°C/85% RH for 264 hours. Electrical test pre and post stress at +25°C and hot temp.	77	5	3	246	0	10	Spare should be properly identified. Use the parts which have gone through Pre-conditioning. For hot temp testing, pre/post test 3 lots at 85°C
Temp Cycle	JESD22A104. -55°C to +125°C for 1000 cycles. Readpoints at 0, 500, and 1000 cycles. Electrical test pre and post stress at hot temp. -65°C to +150°C for 500 cycles for information only	77	5	3	246	0	30	Spare should be properly identified. Use the parts which have gone through Pre-conditioning. Please decap/ inspect 5 units for anomalies. For hot temp testing, pre/post test 3 lots at 85°C (-55C/125C, 1000 cycles is proposed condition until we can ensure that the BGA material can withstand -65°C/150°C,500 cycles. -65°C/150°C,500 cycles test is for information only and is highly recommended to be performed if the BGA substrate is capable of withstanding the higher 150°C temperature