



Date: 15 Jun 2012

Product Category: Analog (Linear & Mixed Signal) AND Interface; Analog (Thermal, Power Management & Safety); Memory; RF and Security

Device Family:  

Notification subject: CCB 1046.01 Final Notice: Qualification of 8L TSSOP package at MMT (ALPH) assembly site.

Notification text: PCN Status:
Final notification

Microchip Parts Affected:
See attachments of affected catalog part numbers (CPN) labeled as...
PCN_CYER-05NZHO073_Affected_CPN.xls
PCN_CYER-05NZHO073_Affected_CPN.pdf

Description of Change:
Qualification of 8L TSSOP package at MMT (ALPH) 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:
June 20, 2012 (date code: 1225)

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

Markings to Distinguish Revised from Unrevised Devices:
Traceability code

Revision History:
April 11, 2012: Issued initial notification.

June 15, 2012: Issued final notification. Attached qualification report. Revised estimated first ship date from June 1, 2012 to June 20, 2012.

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_CYER-05NZHO073_Affected_CPN.xls](#) [PCN_CYER-05NZHO073_Affected_CPN.pdf](#) [PCN_CYER-05NZHO073_Qual Report.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 open the 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 account" link, click on "Update profile" and un-check the box that states "Future offers or information about Microchip's products or services."

Product Change Notification - CYER-05NZHO073

Parts Affected

MCP3202
MCP3301
MCP601
MCP6021
MCP6022
MCP6023
MCP602
MCP603
MCP606
MCP607
MCP608
MCP9805
MCP98242
MCP98243
MCP9843
23A256
23A640
23K256
23K640
24AA00
24AA014H
24AA014
24AA01H
24AA01
24AA02
24AA024H
24AA024
24AA025
24AA02H
24AA04H
24AA04
24AA08H
24AA08
24AA128
24AA16H
24AA16
24AA256
24AA32AF
24AA32A
24AA512
24AA52
24AA64F
24AA64
24C00

24C01C
24C02C
24FC128
24FC256
24FC512
24FC64
24LC00
24LC014H
24LC014
24LC01B
24LC01BH
24LC024
24LC024H
24LC025
24LC02B
24LC02BH
24LC04B
24LC04BH
24LC08B
24LC08BH
24LC128
24LC16B
24LC16BH
24LC256
24LC32A
24LC32AF
24LC512
24LC64
24LC64F
24LCS52
24VL014
24VL014H
24VL024
24VL024H
24VL025
25A512
25AA010A
25AA020A
25AA040A
25AA040
25AA080A
25AA080B
25AA080C
25AA080D
25AA128
25AA160A

25AA160B
25AA160C
25AA160D
25AA256
25AA320A
25AA320
25AA640A
25AA640
25C040
25LC010A
25LC020A
25LC040A
25LC040
25LC080A
25LC080B
25LC080C
25LC080D
25LC128
25LC160A
25LC160B
25LC160C
25LC160D
25LC256
25LC320A
25LC320
25LC640A
25LC640
34AA02
34LC02
34VL02
93AA46A
93AA46B
93AA46C
93AA56A
93AA56B
93AA56C
93AA66A
93AA66B
93AA66C
93AA76A
93AA76B
93AA76C
93AA86A
93AA86B
93AA86C
93C46A

93C46B
93C46C
93C56A
93C56B
93C56C
93C66A
93C66B
93C66C
93C76A
93C76B
93C76C
93C86A
93C86B
93C86C
93LC46A
93LC46B
93LC46C
93LC56A
93LC56B
93LC56C
93LC66A
93LC66B
93LC66C
93LC76A
93LC76B
93LC76C
93LC86A
93LC86B
93LC86C
MCP3001
MCP3002
MCP3201
HCS362
HCS410

PCN_CYER-05NZHO073
CATALOG_PART_NBR
23A256-I/ST
23A256T-I/ST
23A640-I/ST
23A640T-I/ST
23K256-E/ST
23K256-I/ST
23K256T-E/ST
23K256T-I/ST
23K640-E/ST
23K640-I/ST
23K640T-E/ST
23K640T-I/ST
24AA00-I/ST
24AA00T-I/ST
24AA014H-I/ST
24AA014HT-I/ST
24AA014-I/ST
24AA014T-I/ST
24AA01H-I/ST
24AA01HT-I/ST
24AA01-I/ST
24AA01-I/STG
24AA01T-I/ST
24AA02/ST
24AA02/STRVC
24AA024H-I/ST
24AA024HT-I/ST
24AA024-I/ST
24AA024T-I/ST
24AA025-I/ST
24AA025T-I/ST
24AA02H-I/ST
24AA02HT-I/ST
24AA02-I/ST
24AA02-I/STG
24AA02-I/STRVC
24AA02T/STRVC
24AA02T-I/ST
24AA02T-I/STRVC
24AA04H-I/ST
24AA04HT-I/ST
24AA04-I/ST
24AA04-I/STG
24AA04-I/STRVC
24AA04T-I/ST
24AA04T-I/STG
24AA04T-I/STRVC
24AA08H-I/ST
24AA08HT-I/ST
24AA08-I/ST

24AA08T-I/ST
24AA08T-I/STG
24AA128-I/ST
24AA128-I/STG
24AA128T-I/ST
24AA128T-I/STG
24AA16H-I/ST
24AA16HT-I/ST
24AA16-I/ST
24AA16-I/STG
24AA16T-I/ST
24AA16T-I/STG
24AA256-I/ST
24AA256-I/STG
24AA256-I/STRVE
24AA256T-I/ST
24AA256T-I/STRVE
24AA32AF-I/ST
24AA32AFT-I/ST
24AA32A-I/ST
24AA32A-I/STB31
24AA32A-I/STG
24AA32AT-I/ST
24AA32AT-I/STB31
24AA32AX-I/ST
24AA32AXT-I/ST
24AA512-I/ST
24AA512T-I/ST
24AA52-I/ST
24AA52T-I/ST
24AA64F-I/ST
24AA64FT-I/ST
24AA64-I/ST
24AA64-I/STB31
24AA64T-I/ST
24AA64T-I/STG
24AA64X/ST
24AA64X/STRVA
24AA64X-I/ST
24AA64XT/ST
24AA64XT-I/ST
24C00-E/ST
24C00-I/ST
24C00T-E/ST
24C00T-I/ST
24C01C-E/ST
24C01C-I/ST
24C01CT-E/ST
24C01CT-I/ST
24C02C-E/ST
24C02C-I/ST
24C02CT/ST

24C02CT-E/ST
24C02CT-I/ST
24FC128-I/ST
24FC128-I/STA31
24FC128T-I/ST
24FC128T-I/STA31
24FC256-I/ST
24FC256T-I/ST
24FC512-I/ST
24FC512T-I/ST
24FC64F-I/ST
24FC64FT-I/ST
24FC64-I/ST
24FC64T-I/ST
24LC00/ST
24LC00-I/ST
24LC00-I/STG
24LC00T/ST
24LC00T-I/ST
24LC00T-I/STG
24LC014H-E/ST
24LC014H-I/ST
24LC014HT-E/ST
24LC014HT-I/ST
24LC014-I/ST
24LC014T-I/ST
24LC01B/ST
24LC01B-E/ST
24LC01BH-E/ST
24LC01BH-I/ST
24LC01BHT-E/ST
24LC01BHT-I/ST
24LC01B-I/ST
24LC01B-I/STG
24LC01BT/ST
24LC01BT-E/ST
24LC01BT-I/ST
24LC01BT-I/STG
24LC024/ST
24LC024-E/ST
24LC024H-E/ST
24LC024H-I/ST
24LC024HT-E/ST
24LC024HT-I/ST
24LC024-I/ST
24LC024-I/ST160
24LC024-I/ST184
24LC024-I/ST185
24LC024-I/ST186
24LC024-I/ST187
24LC024T/ST
24LC024T-E/ST

24LC024T-I/ST
24LC024T-I/ST160
24LC024T-I/ST178
24LC024T-I/ST183
24LC024T-I/ST184
24LC024T-I/ST185
24LC024T-I/ST186
24LC024T-I/ST187
24LC025/ST
24LC025-E/ST
24LC025-I/ST
24LC025T/ST
24LC025T-E/ST
24LC025T-I/ST
24LC02B/ST
24LC02B/STRVC
24LC02B-E/ST
24LC02B-E/STRVC
24LC02BH-E/ST
24LC02BH-I/ST
24LC02BHT-E/ST
24LC02BHT-I/ST
24LC02B-I/ST
24LC02B-I/STA31
24LC02B-I/STRVC
24LC02BT/ST
24LC02BT/STRVC
24LC02BT-E/ST
24LC02BT-E/ST16KVAO
24LC02BT-E/STRVC
24LC02BT-I/ST
24LC02BT-I/STA31
24LC02BT-I/STRVC
24LC04B/ST
24LC04B/STRVC
24LC04B-E/ST
24LC04B-E/STRVC
24LC04BH-E/ST
24LC04BH-I/ST
24LC04BHT-E/ST
24LC04BHT-I/ST
24LC04B-I/ST
24LC04B-I/STG
24LC04BT/ST
24LC04BT/STRVC
24LC04BT-E/ST
24LC04BT-E/STRVC
24LC04BT-I/ST
24LC04BT-I/STG
24LC04BT-I/STRVC
24LC08B/ST
24LC08B-E/ST

24LC08BH-E/ST
24LC08BH-I/ST
24LC08BHT-E/ST
24LC08BHT-I/ST
24LC08B-I/ST
24LC08B-I/STA31
24LC08B-I/STG
24LC08B-I/STRVE
24LC08BT/ST
24LC08BT-E/ST
24LC08BT-I/ST
24LC08BT-I/STA31
24LC08BT-I/STRVE
24LC128-E/ST
24LC128-I/ST
24LC128-I/ST16KVAO
24LC128T-E/ST
24LC128T-I/ST
24LC128T-I/ST16KVAO
24LC128T-I/STDLL
24LC128T-I/STG
24LC16B/ST
24LC16B-E/ST
24LC16BH-E/ST
24LC16BH-I/ST
24LC16BHT-E/ST
24LC16BHT-I/ST
24LC16B-I/ST
24LC16B-I/ST116
24LC16B-I/STG
24LC16BT/ST
24LC16BT-E/ST
24LC16BT-E/STG
24LC16BT-I/ST
24LC16BT-I/ST114
24LC16BT-I/ST116
24LC16BT-I/STA31
24LC16BT-I/STG
24LC256-E/ST
24LC256-E/STRVE
24LC256-I/ST
24LC256-I/STA31
24LC256T-E/ST
24LC256T-E/STRVE
24LC256T-I/ST
24LC256T-I/STA31
24LC256T-I/STG
24LC32A-E/ST
24LC32AF-E/ST
24LC32AF-I/ST
24LC32AFT-E/ST
24LC32AFT-I/ST

24LC32A-I/ST
24LC32A-I/STA31
24LC32A-I/STG
24LC32AT-E/ST
24LC32AT-I/ST
24LC32AX-E/ST
24LC32AX-I/ST
24LC32AXT-E/ST
24LC32AXT-I/ST
24LC512-E/ST
24LC512-I/ST
24LC512T-E/ST
24LC512T-I/ST
24LC64-E/ST
24LC64F-E/ST
24LC64F-E/ST16KV01
24LC64F-I/ST
24LC64FT-E/ST
24LC64FT-I/ST
24LC64-I/ST
24LC64-I/STRVE
24LC64T-E/ST
24LC64T-I/ST
24LC64T-I/STG
24LC64T-I/STRVE
24LC64X-E/ST
24LC64X-I/ST
24LC64X-I/STRVE
24LC64XT-E/ST
24LC64XT-I/ST
24LC64XT-I/STRVE
24LCS52/ST
24LCS52-I/ST
24LCS52T/ST
24LCS52T-I/ST
24LCS52T-I/STHA24
24VL014/ST
24VL014H/ST
24VL014HT/ST
24VL014T/ST
24VL024/ST
24VL024H/ST
24VL024HT/ST
24VL024T/ST
24VL025/ST
24VL025T/ST
25A512-I/ST
25A512T-I/ST
25AA010A-I/ST
25AA010AT-I/ST
25AA020A-I/ST
25AA020AT-I/ST

25AA040A-I/ST
25AA040AT-I/ST
25AA040AX-I/ST
25AA040AXT-I/ST
25AA040X-I/ST
25AA040XT-I/ST
25AA080A-I/ST
25AA080AT-I/ST
25AA080B-I/ST
25AA080BT-I/ST
25AA080C-I/ST
25AA080CT-I/ST
25AA080D-I/ST
25AA080DT-I/ST
25AA128-I/ST
25AA128-I/ST16KVAO
25AA128T-I/ST
25AA128T-I/ST16KV01
25AA128T-I/ST16KVAO
25AA128X-I/ST
25AA128XT-I/ST
25AA160A-I/ST
25AA160AT-I/ST
25AA160B-I/ST
25AA160BT-I/ST
25AA160C-I/ST
25AA160CT-I/ST
25AA160D-I/ST
25AA160DT-I/ST
25AA256-I/ST
25AA256T-I/ST
25AA256X-I/ST
25AA256XT-I/ST
25AA320A-I/ST
25AA320A-I/STB22
25AA320AT-I/ST
25AA320AT-I/STB22
25AA320AX-I/ST
25AA320AXT-I/ST
25AA320X-I/ST
25AA320X-I/STG
25AA320XT-I/ST
25AA640A-I/ST
25AA640AT-I/ST
25AA640AX-I/ST
25AA640AXT-I/ST
25AA640X-I/ST
25AA640XT-I/ST
25C040X-I/ST
25C040X-I/STG
25C040XT-I/ST
25LC010A-E/ST

25LC010A-I/ST
25LC010AT-E/ST
25LC010AT-I/ST
25LC020A-E/ST
25LC020A-I/ST
25LC020AT-E/ST
25LC020AT-I/ST
25LC040A-E/ST
25LC040A-I/ST
25LC040AT-E/ST
25LC040AT-I/ST
25LC040AX-E/ST
25LC040AX-I/ST
25LC040AXT-E/ST
25LC040AXT-I/ST
25LC040X/ST
25LC040X-I/ST
25LC040XT/ST
25LC040XT-I/ST
25LC080A-E/ST
25LC080A-I/ST
25LC080AT-E/ST
25LC080AT-I/ST
25LC080B-E/ST
25LC080B-I/ST
25LC080B-I/STG
25LC080BT-E/ST
25LC080BT-I/ST
25LC080C-E/ST
25LC080C-I/ST
25LC080CT-E/ST
25LC080CT-I/ST
25LC080D-E/ST
25LC080D-I/ST
25LC080DT-E/ST
25LC080DT-I/ST
25LC128-E/ST
25LC128-I/ST
25LC128T-E/ST
25LC128T-E/ST16KV02
25LC128T-E/ST16KV04
25LC128T-I/ST
25LC128X-E/ST
25LC128X-I/ST
25LC128XT-E/ST
25LC128XT-I/ST
25LC160A-E/ST
25LC160A-I/ST
25LC160AT-E/ST
25LC160AT-I/ST
25LC160B-E/ST
25LC160B-I/ST

25LC160BT-E/ST
25LC160BT-I/ST
25LC160C-E/ST
25LC160C-I/ST
25LC160CT-E/ST
25LC160CT-I/ST
25LC160D-E/ST
25LC160D-E/ST16KVAO
25LC160D-I/ST
25LC160DT-E/ST
25LC160DT-E/ST16KV04
25LC160DT-E/ST16KV06
25LC160DT-E/ST16KVAO
25LC160DT-I/ST
25LC256-E/ST
25LC256-I/ST
25LC256T-E/ST
25LC256T-I/ST
25LC256T-I/STA31
25LC256X-E/ST
25LC256X-I/ST
25LC256XT-E/ST
25LC256XT-I/ST
25LC320A-E/ST
25LC320A-I/ST
25LC320AT-E/ST
25LC320AT-I/ST
25LC320AX-E/ST
25LC320AX-I/ST
25LC320AXT-E/ST
25LC320AXT-I/ST
25LC320X-I/ST
25LC320XT-I/ST
25LC640A-E/ST
25LC640A-E/ST16KV14
25LC640A-I/ST
25LC640AT-E/ST
25LC640AT-E/ST16KV10
25LC640AT-E/ST16KV13
25LC640AT-H/ST16KVAO
25LC640AT-I/ST
25LC640AX-E/ST
25LC640AX-I/ST
25LC640AXT-E/ST
25LC640AXT-I/ST
25LC640X-I/ST
25LC640X-I/STG
25LC640XT-I/ST
25LC640XT-I/STG
34AA02-E/ST
34AA02-I/ST
34AA02T-E/ST

34AA02T-I/ST
34LC02-E/ST
34LC02-I/ST
34LC02T-E/ST
34LC02T-I/ST
34VL02/ST
34VL02T/ST
93AA46A-I/ST
93AA46AT-I/ST
93AA46AT-I/STG
93AA46B-I/ST
93AA46BT-I/ST
93AA46C-I/ST
93AA46CT-I/ST
93AA56A-I/ST
93AA56AT-I/ST
93AA56B-I/ST
93AA56BT-I/ST
93AA56C-I/ST
93AA56CT-I/ST
93AA66A-I/ST
93AA66AT-I/ST
93AA66B-I/ST
93AA66BT-I/ST
93AA66C-I/ST
93AA66CT-I/ST
93AA76A-I/ST
93AA76AT-I/ST
93AA76B-I/ST
93AA76BT-I/ST
93AA76C-I/ST
93AA76CT-I/ST
93AA86A-I/ST
93AA86AT-I/ST
93AA86B-I/ST
93AA86BT-I/ST
93AA86C-I/ST
93AA86CT-I/ST
93C46A-E/ST
93C46A-I/ST
93C46AT-E/ST
93C46AT-I/ST
93C46AT-I/STG
93C46B/ST
93C46B-E/ST
93C46B-E/STRVA
93C46B-I/ST
93C46BT/ST
93C46BT-E/ST
93C46BT-E/STRVA
93C46BT-I/ST
93C46C-E/ST

93C46C-I/ST
93C46CT-E/ST
93C46CT-I/ST
93C56A-E/ST
93C56A-I/ST
93C56AT-E/ST
93C56AT-I/ST
93C56B-E/ST
93C56B-I/ST
93C56BT-E/ST
93C56BT-I/ST
93C56C-E/ST
93C56C-I/ST
93C56CT-E/ST
93C56CT-I/ST
93C66A-E/ST
93C66A-I/ST
93C66AT-E/ST
93C66AT-I/ST
93C66B-E/ST
93C66B-I/ST
93C66BT-E/ST
93C66BT-I/ST
93C66C-E/ST
93C66C-I/ST
93C66CT-E/ST
93C66CT-I/ST
93C76A-E/ST
93C76A-I/ST
93C76AT-E/ST
93C76AT-I/ST
93C76B-E/ST
93C76B-I/ST
93C76BT-E/ST
93C76BT-I/ST
93C76C-E/ST
93C76C-I/ST
93C76CT-E/ST
93C76CT-I/ST
93C86A-E/ST
93C86A-I/ST
93C86AT-E/ST
93C86AT-I/ST
93C86B-E/ST
93C86B-I/ST
93C86BT-E/ST
93C86BT-I/ST
93C86C-E/ST
93C86C-I/ST
93C86CT-E/ST
93C86CT-I/ST
93LC46A/ST

93LC46A/STRVA
93LC46A-E/ST
93LC46A-I/ST
93LC46A-I/STRVA
93LC46AT/ST
93LC46AT/STRVA
93LC46AT-E/ST
93LC46AT-E/STG
93LC46AT-I/ST
93LC46AT-I/STG
93LC46AT-I/STRVA
93LC46B/ST
93LC46B-E/ST
93LC46B-I/ST
93LC46B-I/STRVA
93LC46BT/ST
93LC46BT-E/ST
93LC46BT-E/ST15KV03
93LC46BT-I/ST
93LC46BT-I/STG
93LC46BT-I/STRVA
93LC46C-E/ST
93LC46C-I/ST
93LC46CT-E/ST
93LC46CT-I/ST
93LC56A/ST
93LC56A/STRVA
93LC56A-E/ST
93LC56A-I/ST
93LC56A-I/STRVA
93LC56AT/STRVA
93LC56AT-E/ST
93LC56AT-I/ST
93LC56AT-I/STRVA
93LC56B/ST
93LC56B-E/ST
93LC56B-I/ST
93LC56B-I/STRVA
93LC56BT/ST
93LC56BT/STRVA
93LC56BT-E/ST
93LC56BT-I/ST
93LC56BT-I/STRVA
93LC56C-E/ST
93LC56C-I/ST
93LC56CT-E/ST
93LC56CT-I/ST
93LC66A/ST
93LC66A/STRVA
93LC66A-E/ST
93LC66A-I/ST
93LC66A-I/STRVA

93LC66AT/ST
93LC66AT/STRVA
93LC66AT-E/ST
93LC66AT-I/ST
93LC66AT-I/STRVA
93LC66B/ST
93LC66B/STRVA
93LC66B-E/ST
93LC66B-I/ST
93LC66B-I/STRVA
93LC66BT/STRVA
93LC66BT-E/ST
93LC66BT-I/ST
93LC66BT-I/STRVA
93LC66C-E/ST
93LC66C-I/ST
93LC66CT-E/ST
93LC66CT-I/ST
93LC76A-E/ST
93LC76A-I/ST
93LC76AT-E/ST
93LC76AT-I/ST
93LC76B-E/ST
93LC76B-I/ST
93LC76BT-E/ST
93LC76BT-I/ST
93LC76C-E/ST
93LC76C-I/ST
93LC76CT-E/ST
93LC76CT-I/ST
93LC86A-E/ST
93LC86A-I/ST
93LC86AT-E/ST
93LC86AT-I/ST
93LC86B-E/ST
93LC86B-I/ST
93LC86BT-E/ST
93LC86BT-I/ST
93LC86C-E/ST
93LC86C-I/ST
93LC86CT-E/ST
93LC86CT-I/ST
93LC86CT-I/STG
HCS362-I/ST
HCS362-I/STA04
HCS362T-I/ST
HCS410/ST
HCS410-I/ST
HCS410T/ST
HCS410T-I/ST
MCP3001-I/ST
MCP3001-I/STG

MCP3001T-I/ST
MCP3002-I/ST
MCP3002T-I/ST
MCP3201-CI/ST
MCP3201T-CI/ST
MCP3202-CI/ST
MCP3202T-CI/ST
MCP3301-BI/ST
MCP601-E/ST
MCP601-I/ST
MCP601T-E/ST
MCP601T-I/ST
MCP6021-E/ST
MCP6021-I/ST
MCP6021T-E/ST
MCP6021T-I/ST
MCP6022-E/ST
MCP6022-I/ST
MCP6022-I/STAAA
MCP6022-I/STG
MCP6022T-E/ST
MCP6022T-I/ST
MCP6022T-I/STAAA
MCP6022T-I/STG
MCP6023-E/ST
MCP6023-I/ST
MCP6023T-E/ST
MCP6023T-I/ST
MCP602-E/ST
MCP602-I/ST
MCP602-I/STAAA
MCP602T-E/ST
MCP602T-I/ST
MCP602T-I/STAAA
MCP603-E/ST
MCP603-I/ST
MCP603T-E/ST
MCP603T-I/ST
MCP606-I/ST
MCP606T-I/ST
MCP607-I/ST
MCP607T-I/ST
MCP608-I/ST
MCP608T-I/ST
MCP79400-I/ST
MCP79400T-I/ST
MCP79401-I/ST
MCP79401T-I/ST
MCP79402-I/ST
MCP79402T-I/ST
MCP7940M-I/ST
MCP7940MT-I/ST

MCP7940N-I/ST
MCP7940NT-I/ST
MCP79410-I/ST
MCP79410T-I/ST
MCP79411-I/ST
MCP79411T-I/ST
MCP79412-I/ST
MCP79412T-I/ST
MCP9805-BE/ST
MCP9805T-BE/ST
MCP98242-BE/ST
MCP98242-CE/ST
MCP98242T-BE/ST
MCP98242T-CE/ST
MCP98243-BE/ST
MCP98243T-BE/ST
MCP9843-BE/ST
MCP9843T-BE/ST



MICROCHIP

**QUALIFICATION REPORT
RELIABILITY LABORATORY**

PCN #: CYER-05NZHO073

Date
June 11, 2012

Qualification of 8L TSSOP package at MMT (ALPH) assembly site.

Distribution

Somnuek T.
Wanphen L.
Wichai K.
Chaweng W.

Rangsun K.
C.K. Barlingay
R. Sharma

Microchip Technology (Thailand) Co., Ltd.
14 Moo 1 T.Wangtakien A. Muangchacherngsao,
Chacherngsao, Thailand, 24000
Tel. (+66 38) 857119-45, 857311-19 ext. 1231
Fax (+66 38) 857149-50



MICROCHIP

PACKAGE QUALIFICATION REPORT

Purpose	Qualification of 8L TSSOP package at MMT (ALPH) assembly site.
CN	BC120624
QUAL ID	Q12031
MP CODE	C5AC3TC5XA00
Part No.	24LC256-I/ST
Bonding No.	BDM-000118 Rev. A
CCB No.	1146.01
<u>Package</u>	
Type	8L TSSOP
Package size	4.4 mm
Die thickness	11 mils
Die size	105.6 x 78.3 mils
<u>Lead Frame</u>	
Paddle size	118 x 87 mils
Material	C7025
Surface	Ag plate
Process	Stamp
Lead Lock	No
Part Number	14-4008-02
<u>Die attach material</u>	
Epoxy	2200D
Wire	Au wire
Mold Compound	G600V
Plating Composition	Matte Tin



MICROCHIP PACKAGE QUALIFICATION REPORT

Manufacturing Information

Assembly Lot No.	Wafer Lot No.	Trace Code
ALPH130400075	TMPE212418765.700	1217V27
ALPH130400076	TMPE212418765.700	1217V28
ALPH130400077	TMPE212418765.700	1217V29

Result

Pass Fail _____

8L TSSOP (4.4 mm) assembled by MMT (ALPH) 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-020C standard.

Prepared By: _____ **Date:** June 11, 2012 (Reliability Engineer)

(Mr. Udom Suksansakul)

Approved By: _____ **Date:** June 11, 2012 (Reliability Manager)

(Mr. Somnuek Thongprasert)

PACKAGE QUALIFICATION REPORT

Test Number (Reference)	Test Condition	Microchip Spec	Qty. (Acc.)	Date in	Date Out	Def/SS.	Result	Remarks
<u>MSL</u>								
MSL Level 1/260°C	85°C/ 85%RH Moisture Soak 168 hrs. System: TABAI ESPEC Model PR-3SPH 3x Convection-Reflow 260°C max System: Vitronics Soltec MR1243 (IPC/JEDEC J-STD-020C)	S12/14/16 (PDC)	135	05/08/12	05/18/12	0/135	Pass	

<u>Precondition</u>								
Electrical Test	Electrical Test :+25°C and 85°C System: NEXTEST_PT (Test 1 lot 125°C on ALPH130400075.000)	S12/14/16 (PDC)	693(0)	05/04/12	05/07/12	693		Good Devices
Bake	Bake 150°C, 24 hrs System: CHINEE	PI-92014B		05/08/12	05/10/12	693		
Moisture Soak	85°C/85%RH Moisture Soak 168 hrs. System: TABAI ESPEC Model PR-3SPH	PI-91173B		05/10/12	05/17/12	693		
Convection-Reflow	3x Convection-Reflow 260°C max System: Vitronics Soltec MR1243	PI-91160B		05/17/12	05/17/12	693		
Electrical Test	Electrical Test :+ 25°C and 85°C System: NEXTEST_PT (Test 1 lot 125°C on ALPH130400075.000)	S12/14/16 (PDC)		05/17/12	05/18/12	0/693	Pass	

PACKAGE QUALIFICATION REPORT

Test Number (Reference)	Test Condition	Microchip Spec	Qty. (Acc.)	Date in	Date Out	Def/SS.	Result	Remarks
Temp Cycle	Stress Condition: -65°C to +150°C, 500 Cycles System : TABAI ESPEC TSA-70H Inspection: External crack inspection all units under 40X Optical magnification	PI-91020B		05/22/12	06/02/12	231		Parts had been pre-conditioned at 260°C
	Electrical Test: + 85°C System: NEXTEST_PT (Test 1 lot 125°C on ALPH130400075.000)	QCI-33003	30(0)	06/02/12	06/02/12	0/30		
	Electrical Test: + 85°C System: NEXTEST_PT (Test 1 lot 125°C on ALPH130400075.000)	S12/14/16 (PDC)	231(0)	06/02/12	06/05/12	0/231	Pass	77 units / lot
UNBIASED-HAST	Bond Strength: Bond Shear (14.00 grams) Wire Pull (> 3 grams)	QCI-91022	15 (0)	06/11/12	06/11/12	0/15	Pass	
	Stress Condition: +130°C/85%RH, 96 hrs. System: HAST 6000X	PI-91261B		05/23/12	05/28/12	231		Parts had been pre-conditioned at 260°C
	Electrical Test: +25°C System: NEXTEST_PT	S12/14/16 (PDC)	231(0)	05/28/12	05/28/12	0/231	Pass	77 units / lot

PACKAGE QUALIFICATION REPORT

Test Number (Reference)	Test Condition	Microchip Spec	Qty. (Acc.)	Date in	Date Out	Def/SS.	Result	Remarks
HAST	Stress Condition: +130°C/85%RH, 96 hrs. System: HAST 6000X	PI-92010B		05/24/12	05/28/12	231		Parts had been pre-conditioned at 260°C
	Electrical Test: +25°C and 85°C System: NEXTEST_PT (Test 1 lot 125°C on ALPH130400075.000)	S12/14/16 (PDC)	231(0)	05/28/12	05/29/12	0/231	Pass	77 units / lot
High Temperature Storage Life	Stress Condition: Bake 175°C, 504 hrs System: SHEL LAB	PI-92014B S12/14/16 (PDC)		05/08/12	05/31/12	45		45 units
	Electrical Test: +25°C, 85°C and 125°C System: NEXTEST_PT		45(0)	05/31/12	06/01/12	0/45	Pass	
Solderability Temp 245°C	Steam Aging: Temp 93°C,8Hrs System: SAS-3000 Solder Dipping: Solder Temp.245°C Solder material: Pb Free Sn 95.5Ag3.9 Cu0.6 System: ERS RA 2200D Visual Inspection: External Visual Inspection	QCI-91010B	22 (0)	05/09/12 05/09/12 05/09/12	05/09/12 05/09/12 05/09/12	22 22 0/22	Pass	

PACKAGE QUALIFICATION REPORT

Test Number (Reference)	Test Condition	Microchip Spec	Qty. (Acc.)	Date in	Date Out	Def/SS.	Result	Remarks
Physical Dimensions	Physical Dimension, 30 units from 1 lot	QCI-30017	30(0) Units	-	-	0/30	Pass	
Bond Strength Data Assembly	Bond Shear (14.00 grams)	QCI-91022	30 (0) bonds	-	-	0/30	Pass	
	Wire Pull (> 3 grams)		30 (0) wires	-	-	0/30	Pass	