

Date: 12 Apr 2012

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

Device Family:  

Notification subject: CCB 1146.01 Initial Notice: Qualification of 8L TSSOP package at MMT (ALPH) assembly site

Notification text: PCN Status:
Initial 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 1, 2012 (date code: 1222)

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:

April 11, 2012: Issued initial notification.

April 12, 2012: Added CPN affected lists and qualification plan to initial notification. Corrected typo in subject.

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 Plan.pdf](#)

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Product Change Notification - CYER-05NZHO073

Parts Affected

23A256
23A640
23K256
23K640
24AA00
24AA01
24AA014
24AA014H
24AA01H
24AA02
24AA024
24AA024H
24AA025
24AA02H
24AA04
24AA04H
24AA08
24AA08H
24AA128
24AA16
24AA16H
24AA256
24AA32A
24AA32AF
24AA512
24AA52
24AA64
24AA64F
24C00
24C01C
24C02C
24FC128
24FC256
24FC512
24FC64
24LC00
24LC014
24LC014H
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
25AA040
25AA040A
25AA080A
25AA080B
25AA080C
25AA080D
25AA128
25AA160A
25AA160B
25AA160C
25AA160D
25AA256
25AA320
25AA320A
25AA640
25AA640A
25C040
25LC010A
25LC020A
25LC040
25LC040A
25LC080A
25LC080B

25LC080C
25LC080D
25LC128
25LC160A
25LC160B
25LC160C
25LC160D
25LC256
25LC320
25LC320A
25LC640
25LC640A
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
HCS362
HCS410
MCP3001
MCP3002
MCP3201
MCP3202
MCP3301
MCP601
MCP602
MCP6021
MCP6022
MCP6023
MCP603
MCP606
MCP607
MCP608
MCP9805
MCP98242
MCP98243
MCP9843

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
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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
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24LC01BT-I/ST
24LC01BT-I/STG
24LC024/ST
24LC024-E/ST
24LC024H-E/ST
24LC024H-I/ST
24LC024HT-E/ST
24LC024HT-I/ST
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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
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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
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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
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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
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24LC64F-I/ST
24LC64FT-E/ST
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24LC64-I/ST
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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
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24VL024H/ST
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24VL025/ST
24VL025T/ST
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25A512T-I/ST
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25AA010AT-I/ST
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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
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25C040X-I/STG
25C040XT-I/ST
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25LC010A-I/ST
25LC010AT-E/ST
25LC010AT-I/ST
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25LC040AT-I/ST
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25LC040AX-I/ST
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25LC040AXT-I/ST
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25LC040XT/ST
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25LC080A-I/ST
25LC080AT-E/ST
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25LC080B-E/ST
25LC080B-I/ST
25LC080B-I/STG
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25LC080C-E/ST
25LC080C-I/ST
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25LC128T-E/ST16KV02
25LC128T-E/ST16KV04
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25LC128X-E/ST
25LC128X-I/ST
25LC128XT-E/ST
25LC128XT-I/ST
25LC160A-E/ST
25LC160A-I/ST
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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 PLAN

PCN #: CYER-05NZHO073

**Date:
April 5, 2012**

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

Distribution

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Purpose: _____ Qualification of 8L TSSOP package at MMT (ALPH) assembly site.
MP code: _____ C5AC3TC5XA00
Part No.: _____ 24LC256T-I/ST
BD No: _____ BDM –000118 rev. A (engineering BD)
CCB No: _____ 1146.01

Package:

Type _____ 8L TSSOP
Width or Size _____ 4.4mm
Die thickness: _____ 11 mils
Die size: _____ 105.60 x 78.30 mils

Lead frame:

Paddle size: _____ 118 x 87 mils
Material _____ C7025 / ASM
Surface _____ Full Ag spot plating
Process _____ Stamped
Lead Lock _____ No

Wire:

Material _____ Au / Tanaka (Malaysia)

Die Attach Film (DAF):

Part Number _____ 2200D / Ablestik
Conductive _____ Yes

Mold Compound: _____ G600V / Sumitomo

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
Standard Pb-free Solderability	JESD22B-102E; Perform 8 hour steam aging for Matte tin finish and 1 hour steam aging for NIPdAu finish prior to testing. Standard Pb-free: Matte tin/ NIPdAu finish, SAC solder, wetting temp 245°C for both SMD & through hole packages, Mil. Std. 883-2011	22	5	1	27	> 95% lead coverage	5	Standard Pb-free solderability is the requirement. SnPb solderability (backward solderability—SMD reflow soldering) is required for any plating related changes and highly recommended for other package BOM changes.
Wire Bond Pull - WBP		5	0	1	5	0 fails after TC	5	30 bonds from a minimum of 5 devices.
Wire Bond Shear - WBS	CDF-AEC-Q100-001	5	0	1	5	0	5	30 bonds from a minimum of 5 devices.
Wire Sweep		3	15 wires					Required for any reduction in wire bond thickness.
Physical Dimensions	Measure per JESD22 B100 and B108	10	0	3	30	0	5	
HTSL (High Temp Storage Life)	+175 C for 504 hours or 150°C for 1008 hrs. Electrical test pre and post stress at +25C. 1 lot to be tested at 85C & 125C.	45	5	1	50	0	10	
Preconditioning - Required for surface mount devices	+150°C Bake for 24 hours, moisture loading requirements per MSL level + 3X reflow at peak reflow temperature per Jedec-STD-020 for package type; Electrical test pre and post stress at +25°C. Perform SAM analysis using the standard sample size. MSL-1 @ 260°C	231	15	3	738	0	15	Spares should be properly identified. 77 parts from each lot to be used for HAST, Autoclave, Temp Cycle test.
HAST	+130°C/85% RH for 96 hours. Electrical test pre and post stress at +25°C and hot temp. 1 lot to be tested at 85°C and 125°C	77	5	3	246	0	10	Spares should be properly identified. Use the parts which have gone through Pre-conditioning.
Unbiased HAST	+130°C/85% RH for 96 hrs or +110°C/85% RH for 264 hrs	77	5	3	246	0	10	Spares should be properly identified. Use the parts which have gone through Pre-conditioning.

Test Name	Conditions	Sample Size	Min. Qty of Spares per Lot (should be properly marked)	Qty of Lots	Total Units	Fall Accept Qty	Est. Dur. Days	Special Instructions
Temp Cycle	<p>-65°C to +150°C for 500 cycles. Electrical test pre and post stress at hot temp; 3 gram force WBP, on 5 devices from 1 lot, test following Temp Cycle stress. 1 lot to be tested at 85°C and 125°C</p>	77	5	3	246	0	15	Spares should be properly identified. Use the parts which have gone through Pre-conditioning.