



December 1, 2010

CN Number: 1013

Subject: Updated Programming and Functional Failure Guidelines

Dear Customer,

The Microsemi SoC Products Group has updated its Programming and Functional Failure Guidelines as follows:

- Updated programming guidelines to reflect current yields for A54SX72A and A54SX32A

The SoC Products Group recommends that you review the updated guidelines. Effective immediately, all new RMA requests for programming failures will be processed and approved based on these new guidelines.

The updated guidelines are posted on the SoC Products Group website:

www.actel.com/documents/FA_Policies_Guidelines_5-06-00002.pdf

Table 1 lists the affected part numbers.

Table 1. Affected Part Numbers

A54SX32A		
A54SX32A-1BG329	A54SX32A-2BGG329I	A54SX32A-FG256M
A54SX32A-1BG329I	A54SX32A-2FG144	A54SX32A-FG484
A54SX32A-1BG329M	A54SX32A-2FG144I	A54SX32A-FG484I
A54SX32A-1BGG329	A54SX32A-2FG256	A54SX32A-FG484M
A54SX32A-1BGG329I	A54SX32A-2FG256I	A54SX32A-FGG144
A54SX32A-1BGG329M	A54SX32A-2FG484	A54SX32A-FGG144A
A54SX32A-1CQ208	A54SX32A-2FG484I	A54SX32A-FGG144I
A54SX32A-1CQ208B	A54SX32A-2FGG144	A54SX32A-FGG144M
A54SX32A-1CQ208M	A54SX32A-2FGG144I	A54SX32A-FGG256
A54SX32A-1CQ256	A54SX32A-2FGG256	A54SX32A-FGG256A
A54SX32A-1CQ256B	A54SX32A-2FGG256I	A54SX32A-FGG256I
A54SX32A-1CQ256M	A54SX32A-2FGG484	A54SX32A-FGG256M
A54SX32A-1CQ84	A54SX32A-2FGG484I	A54SX32A-FGG484



Table 1. Affected Part Numbers (continued)

A54SX32A-1CQ84B	A54SX32A-2PQ208	A54SX32A-FGG484I
A54SX32A-1CQ84M	A54SX32A-2PQ208I	A54SX32A-FGG484M
A54SX32A-1FG144	A54SX32A-2PQG208	A54SX32A-FPQ208
A54SX32A-1FG144I	A54SX32A-2PQG208I	A54SX32A-FPQG208
A54SX32A-1FG144M	A54SX32A-2TQ100	A54SX32A-FTQ100
A54SX32A-1FG256	A54SX32A-2TQ100I	A54SX32A-FTQ144
A54SX32A-1FG256I	A54SX32A-2TQ144	A54SX32A-FTQ176
A54SX32A-1FG256M	A54SX32A-2TQ144I	A54SX32A-FTQG100
A54SX32A-1FG484	A54SX32A-2TQ176	A54SX32A-FTQG144
A54SX32A-1FG484I	A54SX32A-2TQ176I	A54SX32A-FTQG176
A54SX32A-1FG484M	A54SX32A-2TQG100	A54SX32A-PQ208
A54SX32A-1FGG144	A54SX32A-2TQG100I	A54SX32A-PQ208A
A54SX32A-1FGG144I	A54SX32A-2TQG144	A54SX32A-PQ208I
A54SX32A-1FGG144M	A54SX32A-2TQG144I	A54SX32A-PQ208M
A54SX32A-1FGG256	A54SX32A-2TQG176	A54SX32A-PQG208
A54SX32A-1FGG256I	A54SX32A-2TQG176I	A54SX32A-PQG208A
A54SX32A-1FGG256M	A54SX32A-BG329	A54SX32A-PQG208I
A54SX32A-1FGG484	A54SX32A-BG329I	A54SX32A-PQG208M
A54SX32A-1FGG484I	A54SX32A-BG329M	A54SX32A-TQ100
A54SX32A-1FGG484M	A54SX32A-BGG329	A54SX32A-TQ100A
A54SX32A-1PQ208	A54SX32A-BGG329I	A54SX32A-TQ100I
A54SX32A-1PQ208I	A54SX32A-BGG329M	A54SX32A-TQ100M
A54SX32A-1PQ208M	A54SX32A-CQ208	A54SX32A-TQ144
A54SX32A-1PQG208	A54SX32A-CQ208B	A54SX32A-TQ144A
A54SX32A-1PQG208I	A54SX32A-CQ208M	A54SX32A-TQ144I
A54SX32A-1PQG208M	A54SX32A-CQ256	A54SX32A-TQ144M
A54SX32A-1TQ100	A54SX32A-CQ256B	A54SX32A-TQ176
A54SX32A-1TQ100I	A54SX32A-CQ256M	A54SX32A-TQ176I
A54SX32A-1TQ100M	A54SX32A-CQ84	A54SX32A-TQ176M
A54SX32A-1TQ144	A54SX32A-CQ84B	A54SX32A-TQG100
A54SX32A-1TQ144I	A54SX32A-CQ84M	A54SX32A-TQG100A



Table 1. Affected Part Numbers (continued)

A54SX32A-ITQ144M	A54SX32A-FBG329	A54SX32A-TQG100I
A54SX32A-ITQ176	A54SX32A-FBGG329	A54SX32A-TQG100M
A54SX32A-ITQ176I	A54SX32A-FFG144	A54SX32A-TQG144
A54SX32A-ITQ176M	A54SX32A-FFG256	A54SX32A-TQG144A
A54SX32A-ITQG100	A54SX32A-FFG484	A54SX32A-TQG144I
A54SX32A-ITQG100I	A54SX32A-FFGG144	A54SX32A-TQG144M
A54SX32A-ITQG100M	A54SX32A-FFGG256	A54SX32A-TQG176
A54SX32A-ITQG144	A54SX32A-FFGG484	A54SX32A-TQG176I
A54SX32A-ITQG144I	A54SX32A-FG144	A54SX32A-TQG176M
A54SX32A-ITQG144M	A54SX32A-FG144A	5962-0151801QXC
A54SX32A-ITQG176	A54SX32A-FG144I	5962-0151801QYC
A54SX32A-ITQG176I	A54SX32A-FG144M	5962-0151801QZC
A54SX32A-ITQG176M	A54SX32A-FG256	5962-0151802QXC
A54SX32A-2BG329	A54SX32A-FG256A	5962-0151802QYC
A54SX32A-2BG329I	A54SX32A-FG256I	5962-0151802QZC
A54SX32A-2BGG329		
A54SX72A		
A54SX72A-1CQ208	A54SX72A-2FG484	A54SX72A-FG484A
A54SX72A-1CQ208B	A54SX72A-2FG484I	A54SX72A-FG484I
A54SX72A-1CQ208M	A54SX72A-2FGG256	A54SX72A-FG484M
A54SX72A-1CQ256	A54SX72A-2FGG256I	A54SX72A-FGG256
A54SX72A-1CQ256B	A54SX72A-2FGG484	A54SX72A-FGG256A
A54SX72A-1CQ256M	A54SX72A-2FGG484I	A54SX72A-FGG256I
A54SX72A-1FG256	A54SX72A-2PQ208	A54SX72A-FGG256M
A54SX72A-1FG256I	A54SX72A-2PQ208I	A54SX72A-FGG484
A54SX72A-1FG256M	A54SX72A-2PQG208	A54SX72A-FGG484A
A54SX72A-1FG484	A54SX72A-2PQG208I	A54SX72A-FGG484I
A54SX72A-1FG484I	A54SX72A-CQ208	A54SX72A-FGG484M
A54SX72A-1FG484M	A54SX72A-CQ208B	A54SX72A-FPQ208
A54SX72A-1FGG256	A54SX72A-CQ208M	A54SX72A-FPQG208
A54SX72A-1FGG256I	A54SX72A-CQ256	A54SX72A-PQ208



Table 1. Affected Part Numbers (continued)

A54SX72A-1FGG256M	A54SX72A-CQ256B	A54SX72A-PQ208A
A54SX72A-1FGG484	A54SX72A-CQ256M	A54SX72A-PQ208I
A54SX72A-1FGG484I	A54SX72A-FFG256	A54SX72A-PQ208M
A54SX72A-1FGG484M	A54SX72A-FFG484	A54SX72A-PQG208
A54SX72A-1PQ208	A54SX72A-FFGG256	A54SX72A-PQG208A
A54SX72A-1PQ208I	A54SX72A-FFGG484	A54SX72A-PQG208I
A54SX72A-1PQ208M	A54SX72A-FG256	A54SX72A-PQG208M
A54SX72A-1PQG208	A54SX72A-FG256A	5962-0054301QXC
A54SX72A-1PQG208I	A54SX72A-FG256I	5962-0054301QYC
A54SX72A-1PQG208M	A54SX72A-FG256M	5962-0054302QXC
A54SX72A-2FG256	A54SX72A-FG484	5962-0054302QYC
A54SX72A-2FG256I		

If you have any questions, please contact Application Technical Support at soc_tech@microsemi.com. For ITAR products, contact ITAR Technical Support at soc_tech_itar@microsemi.com

Regards,

Microsemi SoC Products Group