



October 14, 2011

CN Number: 1106

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.microsemi.com/soc/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 |



Table 1 • Affected Part Numbers

| | | |
|-------------------|-------------------|------------------|
| A54SX32A-1CQ84 | A54SX32A-2FGG484I | A54SX32A-FGG484 |
| 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 |



Table 1 • Affected Part Numbers

| | | |
|-------------------|-------------------|------------------|
| A54SX32A-1TQ100M | A54SX32A-CQ84 | A54SX32A-TQ176M |
| A54SX32A-1TQ144 | A54SX32A-CQ84B | A54SX32A-TQG100 |
| A54SX32A-1TQ144I | A54SX32A-CQ84M | A54SX32A-TQG100A |
| A54SX32A-1TQ144M | A54SX32A-FBG329 | A54SX32A-TQG100I |
| A54SX32A-1TQ176 | A54SX32A-FBGG329 | A54SX32A-TQG100M |
| A54SX32A-1TQ176I | A54SX32A-FFG144 | A54SX32A-TQG144 |
| A54SX32A-1TQ176M | A54SX32A-FFG256 | A54SX32A-TQG144A |
| A54SX32A-1TQG100 | A54SX32A-FFG484 | A54SX32A-TQG144I |
| A54SX32A-1TQG100I | A54SX32A-FFGG144 | A54SX32A-TQG144M |
| A54SX32A-1TQG100M | A54SX32A-FFGG256 | A54SX32A-TQG176 |
| A54SX32A-1TQG144 | A54SX32A-FFGG484 | A54SX32A-TQG176I |
| A54SX32A-1TQG144I | A54SX32A-FG144 | A54SX32A-TQG176M |
| A54SX32A-1TQG144M | A54SX32A-FG144A | 5962-0151801QXC |
| A54SX32A-1TQG176 | A54SX32A-FG144I | 5962-0151801QYC |
| A54SX32A-1TQG176I | A54SX32A-FG144M | 5962-0151801QZC |
| A54SX32A-1TQG176M | 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 |



Table 1 • Affected Part Numbers

| | | |
|-------------------|-------------------|------------------|
| 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 |
| 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