



March 7, 2008

PCN number: 0801

PCN Change Level: Minor

Subject: Programming Software Changes for SX-A and eX Product Families

Dear Customer,

The Silicon Sculptor programming algorithms for SX-A and eX devices have been enhanced to achieve greater programming yield. The affected devices are listed in Table 1.

**Table 1. Devices Affected**

| Part Number | Packages     | Speed Grades | Temperature Grades | DSCC Part Numbers                   |
|-------------|--------------|--------------|--------------------|-------------------------------------|
| A54SX08A    | FG144/FGG144 | Std, F, 1, 2 | C, I, A            | N/A                                 |
| A54SX08A    | PQ208/PQG208 | Std, F, 1, 2 | C, I, A            | N/A                                 |
| A54SX08A    | TQ100/TQG100 | Std, F, 1, 2 | C, I, A            | N/A                                 |
| A54SX08A    | TQ144/TQG144 | Std, F, 1, 2 | C, I, A            | N/A                                 |
| A54SX16A    | FG144/FGG144 | Std, F, 1, 2 | C, I, A, M         | N/A                                 |
| A54SX16A    | FG256/FGG256 | Std, F, 1, 2 | C, I, A, M         | N/A                                 |
| A54SX16A    | PQ208/PQG208 | Std, F, 1, 2 | C, I, A, M         | N/A                                 |
| A54SX16A    | TQ100/TQG100 | Std, F, 1, 2 | C, I, A, M         | N/A                                 |
| A54SX16A    | TQ144/TQG144 | Std, F, 1, 2 | C, I, A, M         | N/A                                 |
| A54SX32A    | BG329/BGG329 | Std, F, 1, 2 | C, I, M            | N/A                                 |
| A54SX32A    | FG144/FGG144 | Std, F, 1, 2 | C, I, A, M         | N/A                                 |
| A54SX32A    | FG256/FGG256 | Std, F, 1, 2 | C, I, A, M         | N/A                                 |
| A54SX32A    | FG484/FGG484 | Std, F, 1, 2 | C, I, M            | N/A                                 |
| A54SX32A    | PQ208/PQG208 | Std, F, 1, 2 | C, I, A, M         | N/A                                 |
| A54SX32A    | TQ100/TQG100 | Std, F, 1, 2 | C, I, A, M         | N/A                                 |
| A54SX32A    | TQ144/TQG144 | Std, F, 1, 2 | C, I, A, M         | N/A                                 |
| A54SX32A    | TQ176/TQG176 | Std, F, 1, 2 | C, I, M            | N/A                                 |
| A54SX32A    | CQ84         | Std, 1       | C, M, B            | N/A                                 |
| A54SX32A    | CQ208        | Std, 1       | C, M, B            | 5962-0151801QYC,<br>5962-0151802QYC |
| A54SX32A    | CQ256        | Std, 1       | C, M, B            | 5962-0151801QXC,<br>5962-0151802QXC |

**Table 1. Devices Affected**

| Part Number | Packages     | Speed Grades | Temperature Grades | DSCC Part Numbers                   |
|-------------|--------------|--------------|--------------------|-------------------------------------|
| A54SX72A    | FG256/FGG256 | Std, F, 1, 2 | C, I, A, M         | N/A                                 |
| A54SX72A    | FG484/FGG484 | Std, F, 1, 2 | C, I, A, M         | N/A                                 |
| A54SX72A    | PQ208/PQG208 | Std, F, 1, 2 | C, I, A, M         | N/A                                 |
| A54SX72A    | CQ208        | Std, 1       | C, M, B            | 5962-0054301QYC,<br>5962-0054302QYC |
| A54SX72A    | CQ256        | Std, 1       | C, M, B            | 5962-0054301QXC,<br>5962-0054302QXC |
| eX64        | CS49/CSG49   | Std, F, P    | C, I, A            | N/A                                 |
| eX64        | CS128/CSG128 | Std, F, P    | C, I, A            | N/A                                 |
| eX64        | TQ64/TQG64   | Std, F, P    | C, I, A            | N/A                                 |
| eX64        | TQ100/TQG100 | Std, F, P    | C, I, A            | N/A                                 |
| eX128       | CS49/CSG49   | Std, F, P    | C, I, A            | N/A                                 |
| eX128       | CS128/CSG128 | Std, F, P    | C, I, A            | N/A                                 |
| eX128       | TQ64/TQG64   | Std, F, P    | C, I, A            | N/A                                 |
| eX128       | TQ100/TQG100 | Std, F, P    | C, I, A            | N/A                                 |
| eX256       | CS128/CSG128 | Std, F, P    | C, I, A            | N/A                                 |
| eX256       | CS180/CSG180 | Std, F, P    | C, I, A            | N/A                                 |
| eX256       | TQ100/TQG100 | Std, F, P    | C, I, A            | N/A                                 |

Silicon Sculptor v4.72.0 software can be downloaded from the Actel website:  
[http://www.actel.com/download/program\\_debug/ss/sculptor4720.aspx](http://www.actel.com/download/program_debug/ss/sculptor4720.aspx).

Actel recommends that customers upgrade to the latest version of the software.

If you have any questions, please contact Actel's Application Technical Support at  
[tech@actel.com](mailto:tech@actel.com).

Regards,  
 Actel Corporation