



October 17, 2012

PCN Number: 1210

PCN Change Level: Minor

Subject: Programming Software Enhancement for RTSX-SU FPGAs

Dear Customer,

Microsemi has implemented a programming enhancement for all the products in the RTSX-SU FPGA family.

Programming of Microsemi antifuse FPGAs using Silicon Sculptor 3 or Silicon Sculptor II programmers consists of two main processes:

- Programming the antifuses
- Running End Of Programming (EOP) tests

The EOP tests, which are embedded in the Silicon Sculptor programming software, consist of a number of checks that confirm the integrity of the device. In Silicon Sculptor programming software v5.22.2 and later, Microsemi has implemented an enhancement to the EOP tests to eliminate false EOP failures.

Microsemi recommends that customers upgrade to the latest version of the Silicon Sculptor software to take advantage of this enhancement. The Silicon Sculptor software can be downloaded from the Microsemi website:

http://www.microsemi.com/soc/download/program_debug/ss/files.aspx

If you have any questions, please contact Microsemi's SoC Products Group ITAR Technical Support at soc_tech_itar@microsemi.com.

Regards,

Microsemi Corporation



Table 1 • Affected Part Numbers

RTSX32SU		
RTSX32SU-CC256M	RTSX32SU-CQ84EV	RTSX32SU-CQ208PROTO
RTSX32SU-1CC256M	RTSX32SU-1CQ84EV	RTSX32SU-1CQ208PROTO
RTSX32SU-CC256B	RTSX32SU-CQ84PROTO	RTSX32SU-CQ256B
RTSX32SU-1CC256B	RTSX32SU-1CQ84PROTO	5962-0150805QXC
RTSX32SU-CC256E	RTSX32SU-CQ208B	RTSX32SU-1CQ256B
RTSX32SU-1CC256E	5962-0150805QYC	5962-0150806QXC
RTSX32SU-CC256EV	RTSX32SU-1CQ208B	RTSX32SU-CQ256E
RTSX32SU-1CC256EV	5962-0150806QYC	5962-0150807QXC
RTSX32SU-1CQ84B	RTSX32SU-CQ208E	RTSX32SU-1CQ256E
5962-0150806QZC	5962-0150807QYC	5962-0150808QXC
RTSX32SU-CQ84E	RTSX32SU-1CQ208E	RTSX32SU-CQ256EV
5962-0150807QZC	5962-0150808QYC	RTSX32SU-1CQ256EV
RTSX32SU-1CQ84E	RTSX32SU-CQ208EV	RTSX32SU-CQ256PROTO
5962-0150808QZC	RTSX32SU-1CQ208EV	RTSX32SU-1CQ256PROTO
RTSX72SU		
RTSX72SU-CGS624B	RTSX72SU-1CQ208E	5962-0151508QXC
RTSX72SU-1CGS624B	5962-0151508QYC	RTSX72SU-CQ256EV
RTSX72SU-CGS624E	RTSX72SU-CQ208EV	RTSX72SU-1CQ256EV
RTSX72SU-1CGS624E	RTSX72SU-1CQ208EV	RTSX72SU-CQ256PROTO
RTSX72SU-CGS624EV	RTSX72SU-CQ208PROTO	RTSX72SU-1CQ256PROTO
RTSX72SU-1CGS624EV	RTSX72SU-1CQ208PROTO	RTSX72SU-LG624B
RTSX72SU-CG624PROTO	RTSX72SU-CQ256B	RTSX72SU-1LG624B
RTSX72SU-1CG624PROTO	5962-0151505QXC	RTSX72SU-LG624E
RTSX72SU-CQ208B	RTSX72SU-1CQ256B	RTSX72SU-1LG624E
5962-0151505QYC	5962-0151506QXC	RTSX72SU-LG624EV
RTSX72SU-1CQ208B	RTSX72SU-CQ256E	RTSX72SU-1LG624EV
5962-0151506QYC	5962-0151507QXC	RTSX72SU-LG624PROTO
RTSX72SU-CQ208E	RTSX72SU-1CQ256E	RTSX72SU-1LG624PROTO
5962-0151507QYC		