



February 3, 2012

CN Number: 1201

CN Change Level: Minor

Subject: RTSX-SU Datasheet Updates

Dear Customer,

Microsemi has updated the RTSX-SU datasheet. Following are some of the key updates:

1. The EV screening flow (Class V Flow Equivalent Processing) is enhanced with the addition of a 1 hour, 300°C bake and destructive wire bond pull on a sample of two units during wire bond set-up. This step demonstrates Microsemi's continuing effort in providing high reliability parts for critical applications by improving the quality monitor of the bimetallic wire bonding process.
2. Single event latch-up (SEL) immunity to $LET_{TH} > 104 \text{ MeV} \cdot \text{cm}^2/\text{mg}$ is included.
3. Overshoot specification for AC signals is included:
 - The 5 V non-PCI input signals may overshoot during transitions to $V_{CCI} + 1.2 \text{ V}$ for no longer than 11 ns.
 - The 3.3 V non-PCI input signals may overshoot during transitions to 6.0 V for no longer than 11 ns.
 - Current during the transition must not exceed 95 mA.

For a complete list of updates in this datasheet revision, refer to the List of Changes on page 4-1 of the datasheet: http://www.microsemi.com/soc/documents/RTSXSU_DS.pdf.

If you have any questions, please contact Microsemi's ITAR Application 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		