



December 22, 2004

PCN number: 0408

PCN change level: Major

Subject: Yield Improvement

Dear Customer,

This notice is to inform you that following the successful qualification of the RTSX-SU product family, Actel has made a single mask change to improve manufacturing yields. Qualification was conducted and has validated that the change still meets the applicable released technical specifications. Therefore, the RTSX-SU product family remains unchanged in form, fit, functionality, and reliability.

The affected devices are RTSX32SU and RTSX72SU with all speed and package combinations. Affected SMD part numbers are:

SMD P/N	ACTEL P/N
<b>5962-0150805QXC</b>	<b>RTSX32SU-CQ256B</b>
<b>5962-0150805QYC</b>	<b>RTSX32SU-CQ208B</b>
<b>5962-0150806QXC</b>	<b>RTSX32SU-1CQ256B</b>
<b>5962-0150806QYC</b>	<b>RTSX32SU-1CQ208B</b>
<b>5962-0150807QXC</b>	<b>RTSX32SU-CQ256E</b>
<b>5962-0150807QYC</b>	<b>RTSX32SU-CQ208E</b>
<b>5962-0150808QXC</b>	<b>RTSX32SU-1CQ256E</b>
<b>5962-0150808QYC</b>	<b>RTSX32SU-1CQ208E</b>
<b>5962-0151505QXC</b>	<b>RTSX72SU-CQ256B</b>
<b>5962-0151505QYC</b>	<b>RTSX72SU-CQ208B</b>
<b>5962-0151506QXC</b>	<b>RTSX72SU-1CQ256B</b>
<b>5962-0151506QYC</b>	<b>RTSX72SU-1CQ208B</b>
<b>5962-0151507QXC</b>	<b>RTSX72SU-CQ256E</b>
<b>5962-0151507QYC</b>	<b>RTSX72SU-CQ208E</b>
<b>5962-0151508QXC</b>	<b>RTSX72SU-1CQ256E</b>
<b>5962-0151508QYC</b>	<b>RTSX72SU-1CQ208E</b>

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Production shipment will start in late Q4 2004. This change will be implemented in all RTSX32SU wafer lots except D110A1 and D122H1, which use the original mask set. The change will also be implemented in all RTSX72SU wafer lots except D0Y311 and D0YMJ1, which use the original mask set. The wafer lot numbers for all devices are marked on the underside of the packages.

If there are any questions please contact Actel's technical support hotline at [tech@actel.com](mailto:tech@actel.com).

Regards,  
Actel

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