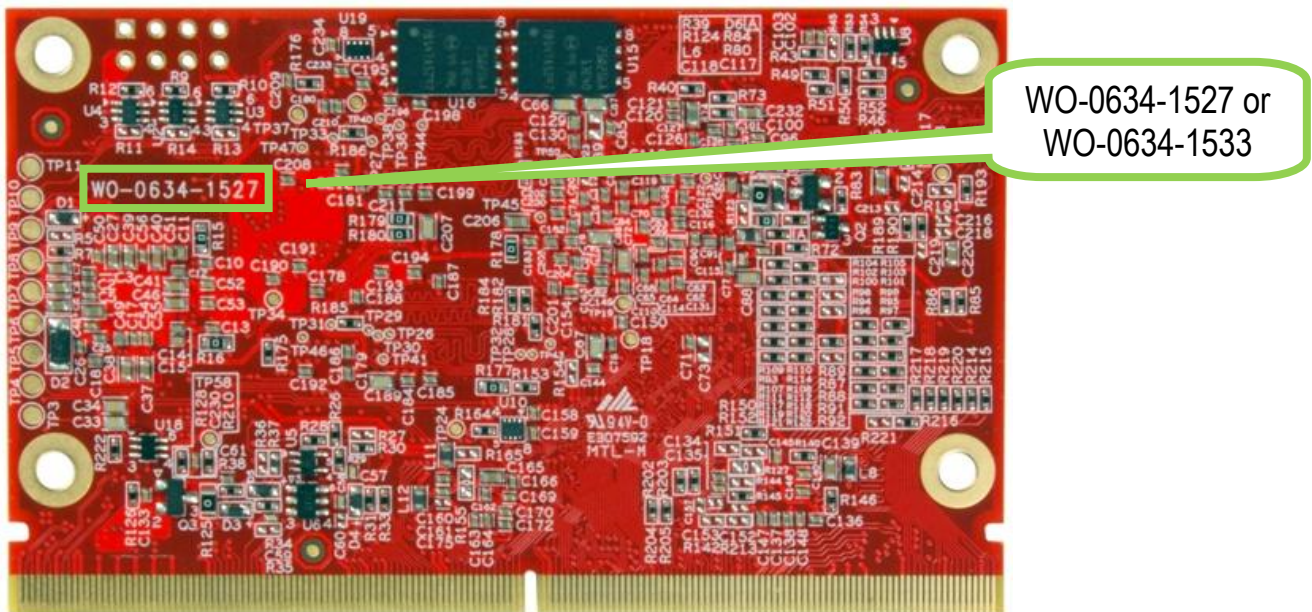


To Our Valued Customers,

This note affects a specific revision of the iMX6 SoloX COM board (product number: EAC00244). The board is also sold as part of the iMX6 SoloX Developer's Kit (product number: EAK00245).

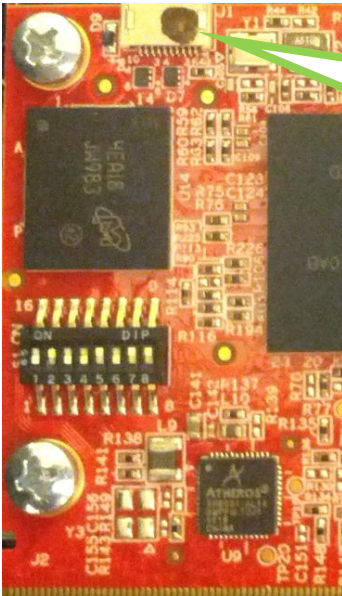
Identification

The affected revision of the iMX6 SoloX COM board is identified on the backside of the board, see picture below.



Boards marked with "WO-0634-1527" and "WO-0634-1533" are affected. These are boards called "iMX6SoloX COM board rev A". This text is also printed on the top side of the board. Boards that do not have this exact marking are not affected.

Most affected boards have been reworked. Only a few number of boards have been delivered and these boards need a small rework. The picture below illustrates how to identify if the board has been reworked, or not. If there is a black marking on the debug connector, like shown, the board has already been reworked and no further action is needed.



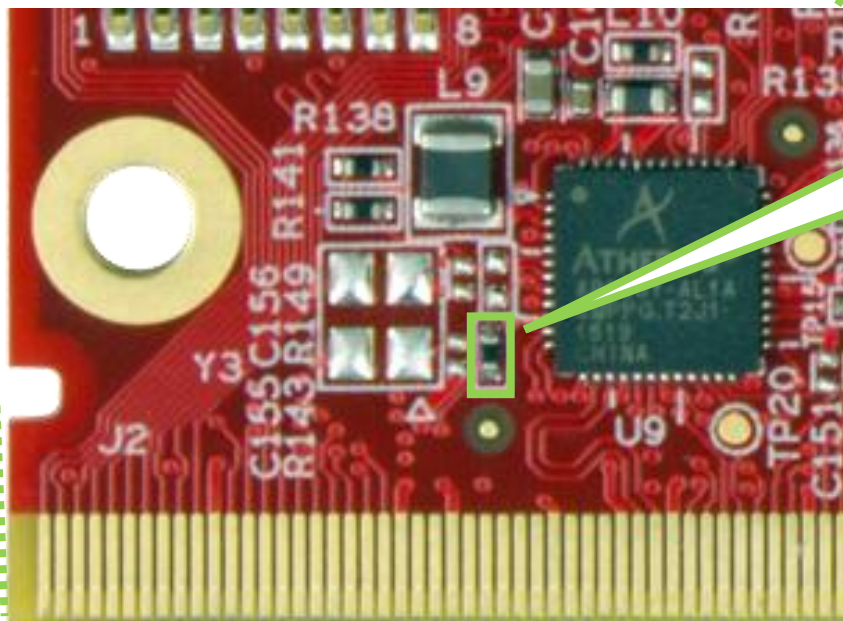
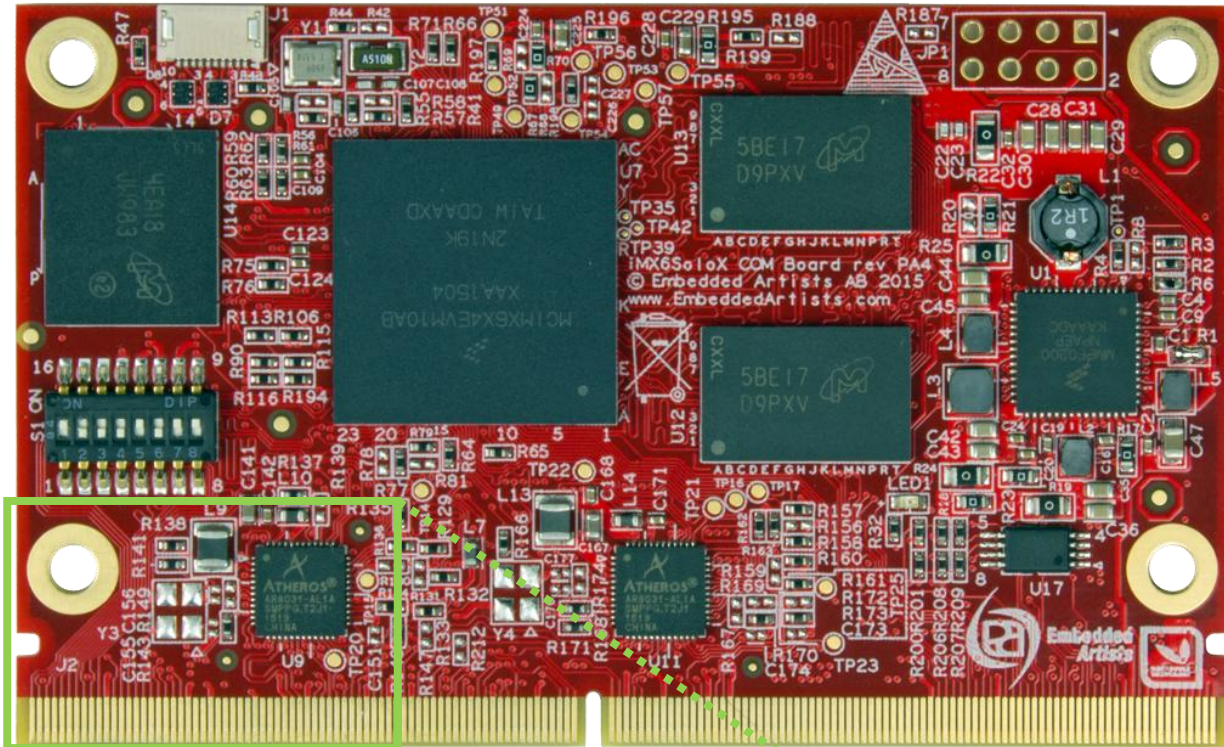
A black dot on the debug connector indicates that the board has already been reworked and is NOT affected by this note.

Note about simultaneous Ethernet #0 and Parallel RGB interface usage

When the parallel RGB interface is active, under some circumstances a reference clock signal to Ethernet interface #0 is affected. This make it impossible to have reliable Ethernet communication on interface #0 (at the same time as the parallel RGB interface is active). The underlying reason is improper impedance matching of the Ethernet reference clock, causing ISI noise.

Solution

Replace R143 with a 20, 22 or 30 ohm resistor (0402-size). See pictures below to locate R143.



Replace R143 with
20, 22 or 30 ohm
resistor (0402-size).

If you have any questions, please contact us at: www.embeddedartists.com/contact

Kind Regards,
Embedded Artists AB
February 9, 2016