Product Change Notification PCN15004
PicoZed Ethernet Reset Duration

Subject: Ethernet Reset Duration

Products Affected: This PCN affects all PicoZed 7010/7015/7020/7030 boards

Change Description: Starting with BOM REV C04 the capacitor value setting the RC time constant for the Ethernet Reset has been modified.

Replacing the capacitor with the following reference designator:

On PicoZed 7010/7020:
WAS: 100uF (1206 Package) - C182
IS: 0.1uF (1206 Package) – C182

On PicoZed 7015/7030:
WAS: 100uF (1206 Package) - C194
IS: 0.1uF (1206 Package) – C194

Reason for Change: Changing this capacitor brings the Ethernet Reset duration in line with the requirements of on-board Marvell PHY.

The resistor/capacitor values that are placed on board prior to BOM REV C04 prolongs the Ethernet reset past the 10ms that is required by the PHY. The current time required to release the Ethernet reset is on the order of 30 seconds.

For any questions regarding this PCN you may contact your local Avnet sales representative.