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AR# 55446

XAUI v10.4 - 7 Series - Required GTP/GTX and GTH transceiver updates

Description

If using XAUI v10.4 in ISE 14.5 and earlier, there are several GT updates that are required:

- 1) Updates for production GTP (10G and 20G operation) and GTH (10G operation) transceiver reset logic, see (Xilinx Answer 53561) and (Xilinx Answer 53779).
- 2) TX buffer bypass on GTP/GTX and GTH transceivers, see (Xilinx Answer 55009).
- 3) GTP/GTH RX termination is set incorrectly to GND, see (Xilinx Answer 55837).

AR# 55446	
Date	09/17/2013
Status	Active
Type	General Article
IP	• XAUI

Solution

These updates have been made in the v10.4 rev1core available in ISE 14.6 and later.

The first two updates have been included in the v11.0 core released in Vivado Design Suite 2013.1, the third has been included in the v12.0 core released in Vivado Design Suite 2013.2.

Was this Answer Record helpful?

Yes 

No 

Linked Answer Records

Master Answer Records

↑ Answer Number	↑ Answer Title	↑ Version Found	↑
47684	LogiCORE IP XAUI - Release Notes and Known Issues for v10.x	N/A	N/

Associated Answer Records

↓ Answer Number	↓ Answer Title	↓ Version Found	↓ '↓
53561	Design Advisory for Artix-7 FPGA GTP Transceivers: RX Reset Sequence Requirement for Production Silicon	N/A	N/
53779	Design Advisory for Virtex-7 FPGA GTH Transceiver - RX Reset Sequence Requirement for Production Silicon	N/A	N/
55009	Design Advisory for 7 Series FPGA GTX/GTH/GTP Transceivers - TX Sync Controller Change for Phase Alignment in Buffer Bypass Mode	N/A	N/

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