TE0820 - Eth_PHY

Title: TE0820 - Eth_PHY

A4 Number: TE0820 03EG-1EB

Rev. 03

Date: 2018-03-28 Copyright: 2015 Trenz Electronic GmbH

Filename: ETH-PHY.SchDoc
CHANGES REV01 to REV02

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1) Added MAC EEPROM (slave address)
2) LIB components update
3) Fixed SD Card connection
4) Fixed sense connection from DCDC
5) Made correct power connection for VCU (removed DCDC, added resistors and caps like as Xilinx recommended)
6) Added resistors for variants (ZU+/ without VCU)
7) Added termination resistors (240R) to VRP pins for all HP-banks

CHANGES REV02 to REV03

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1) Fixed VCU connection: add additional DCDC (0.9V)
2) LIB components update
3) Change package 1K resistors (0402 -> 0201)
4) Added LEDs (1x user LED, 1x LED for ERR_STATUS, 1xLED for ERR_OUT)
5) Change obsolete 2xSPI Flash (256MBit) -> 2xSPI Flash (512MBit)
6) Added additional DCDCs (PL_VCCINT_IO, PS_FP0V85)
7) Changed DCDC (U5) 6A (optional 4A)