

ZedBoard

"'26'O ct '4235

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www.zedboard.org

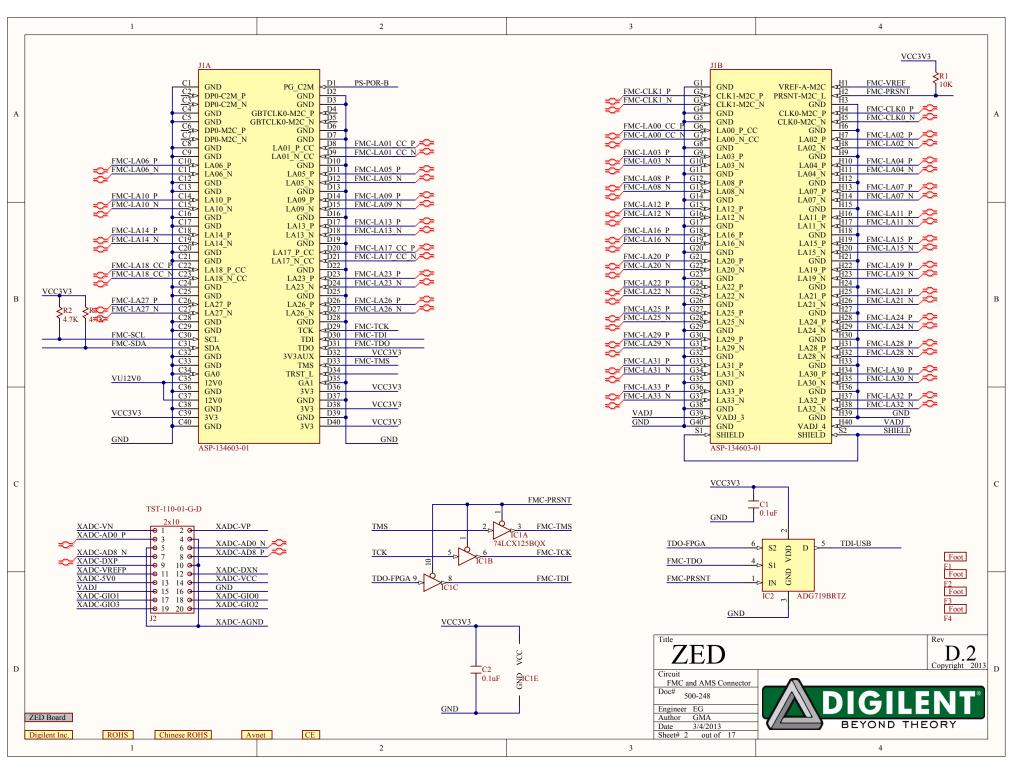
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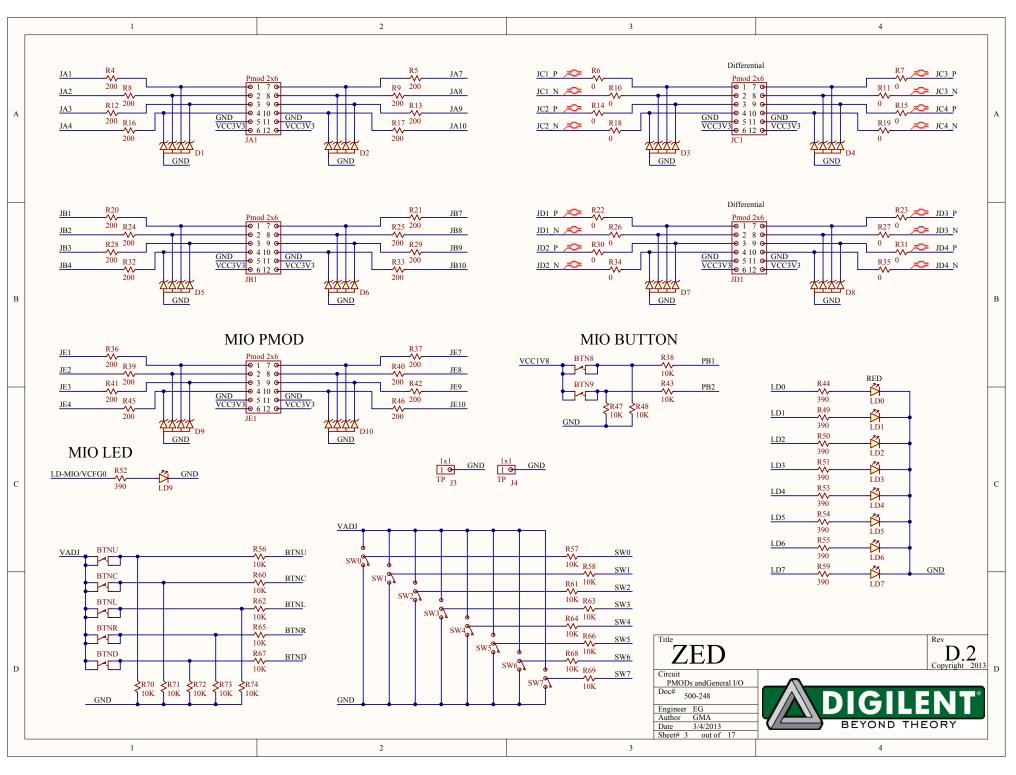
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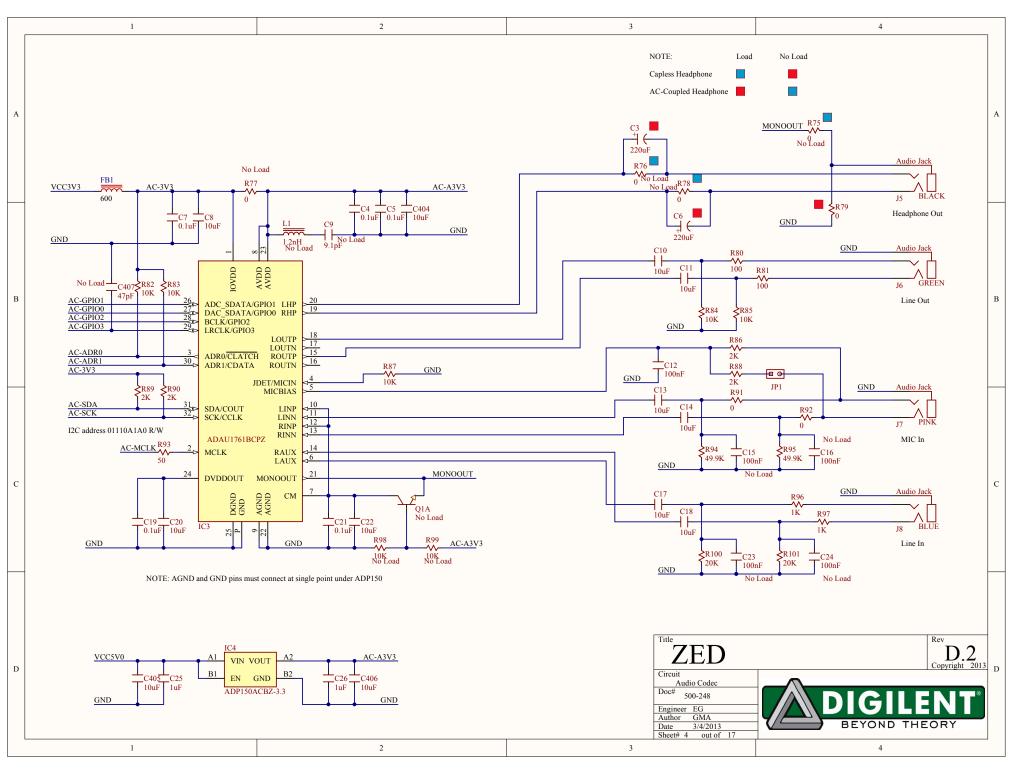
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Circuit Title Page Doc# 500-248	
Engineer EG Author GMA	DIGILENT
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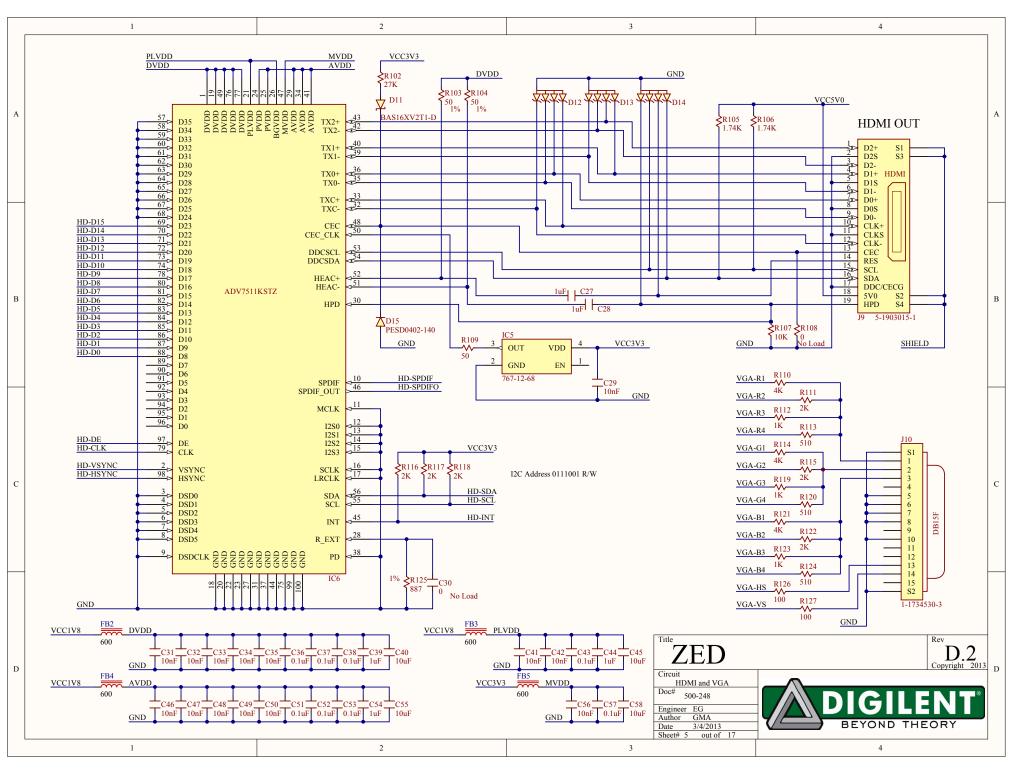
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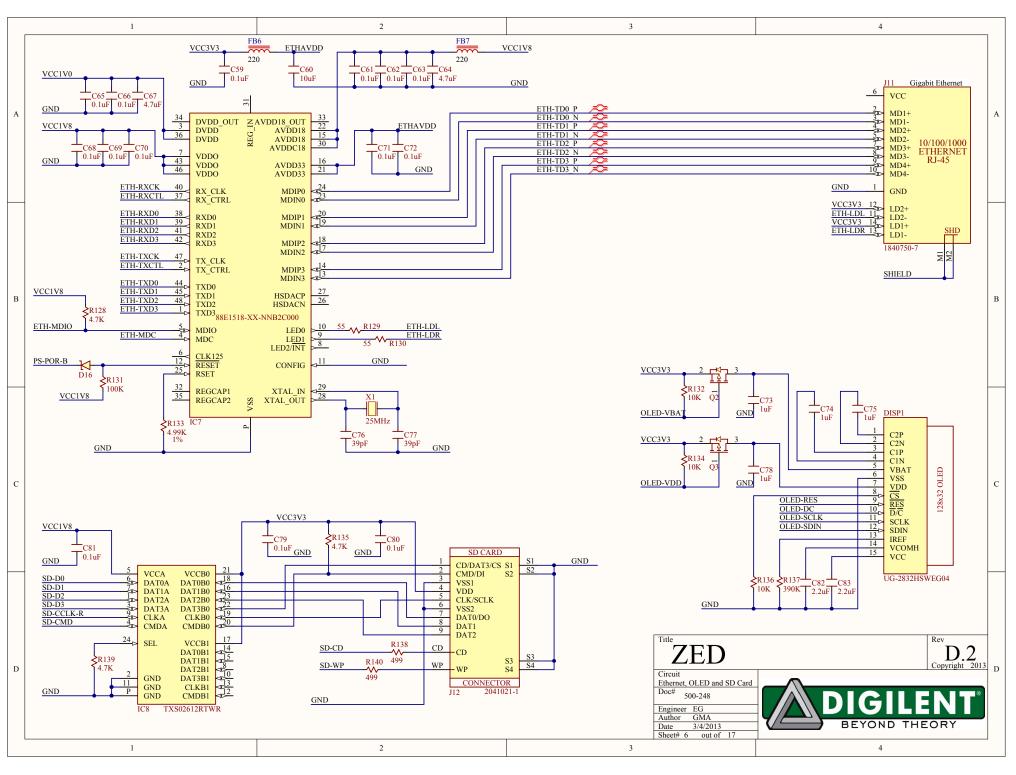
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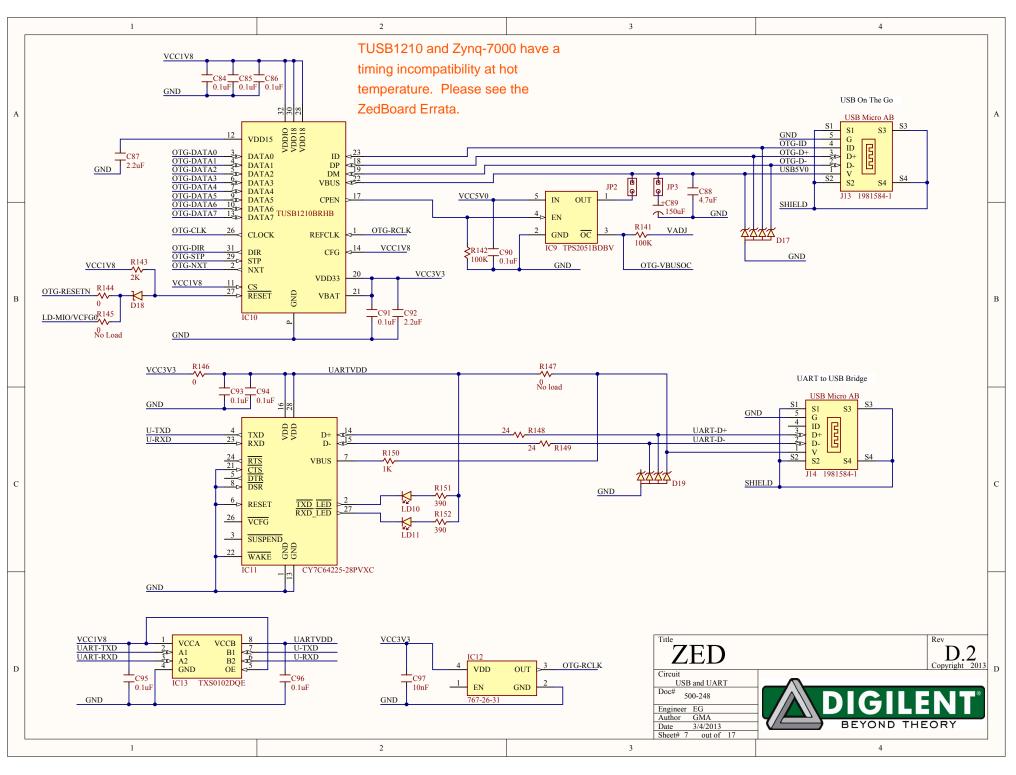


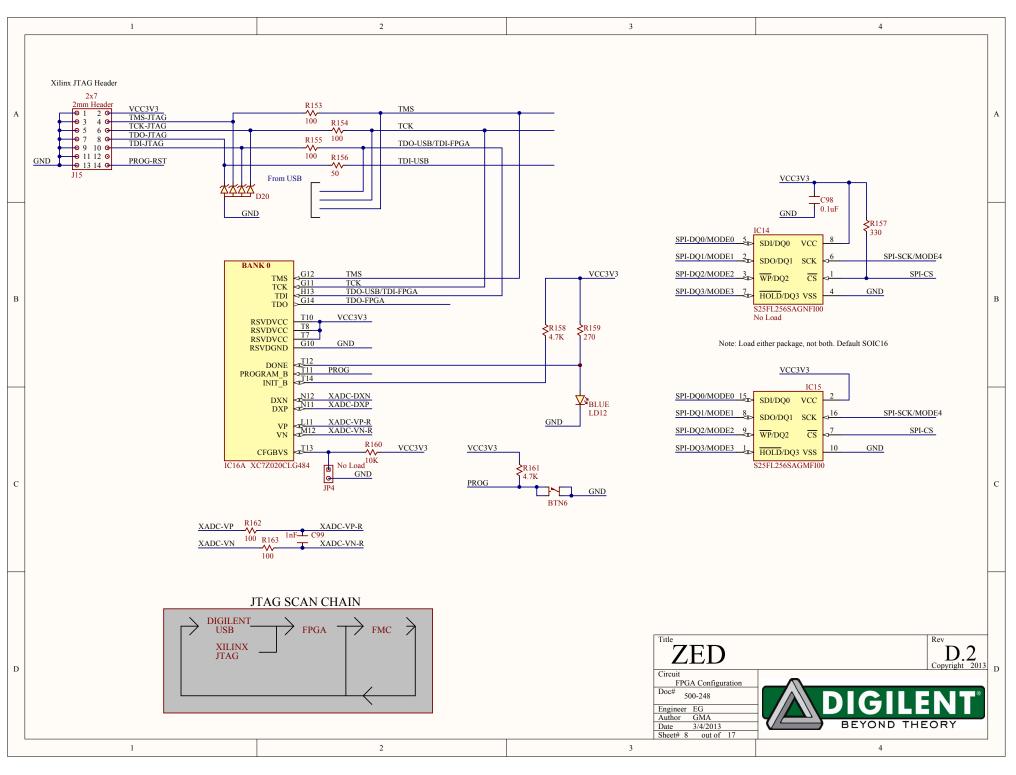


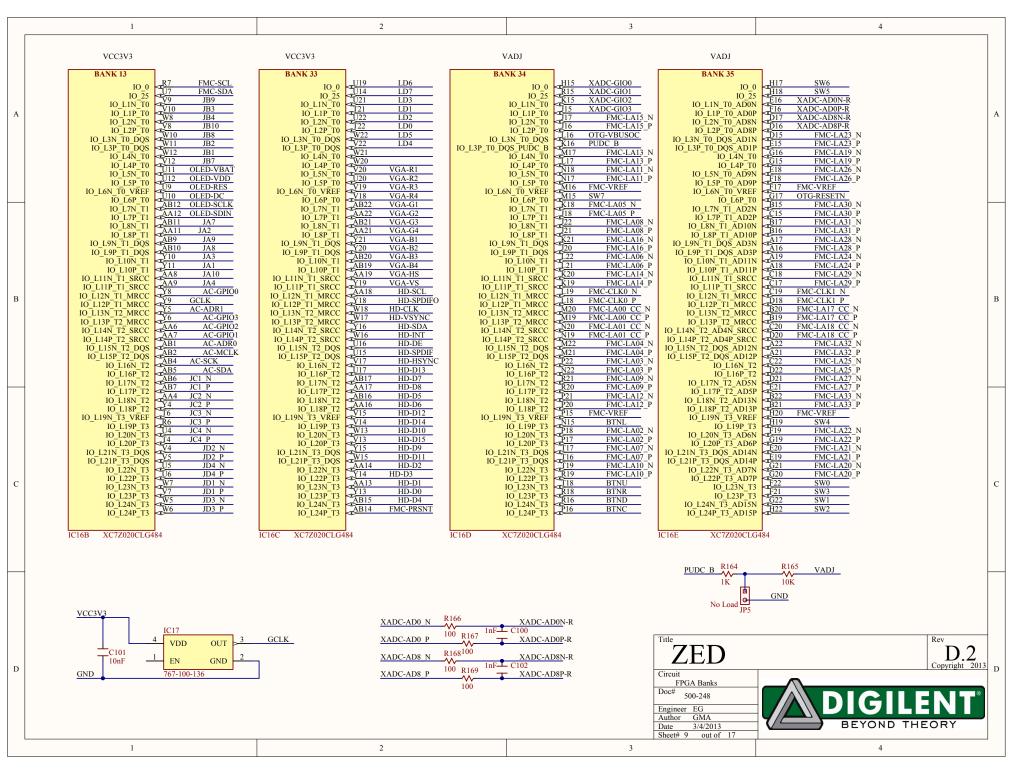


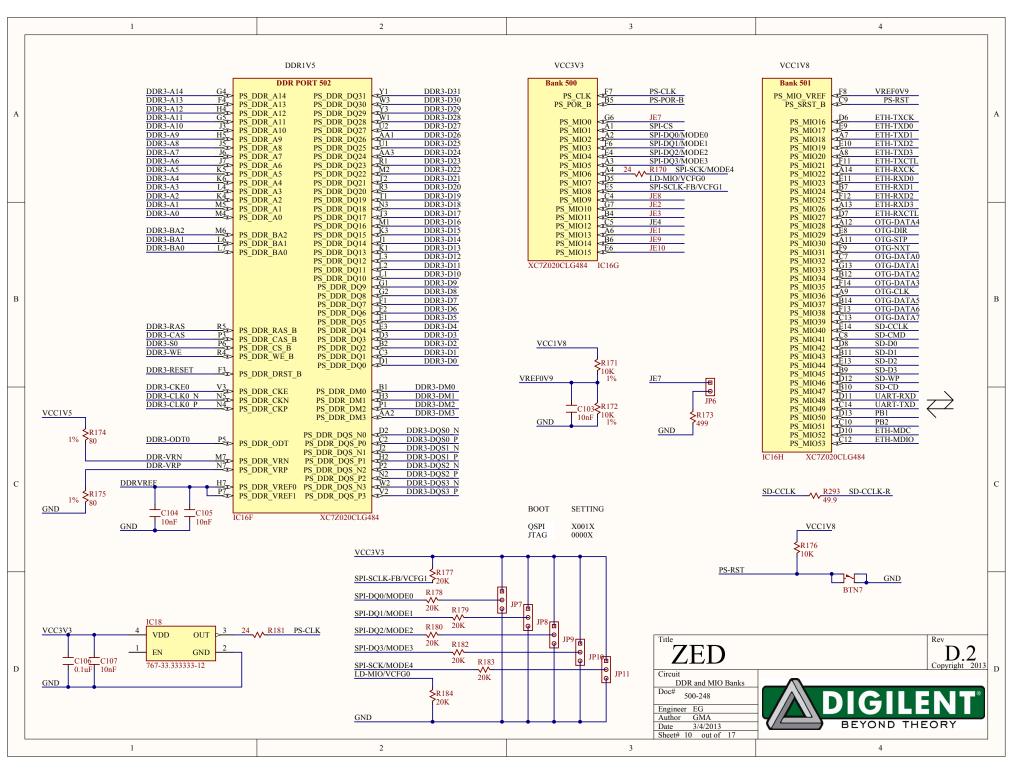


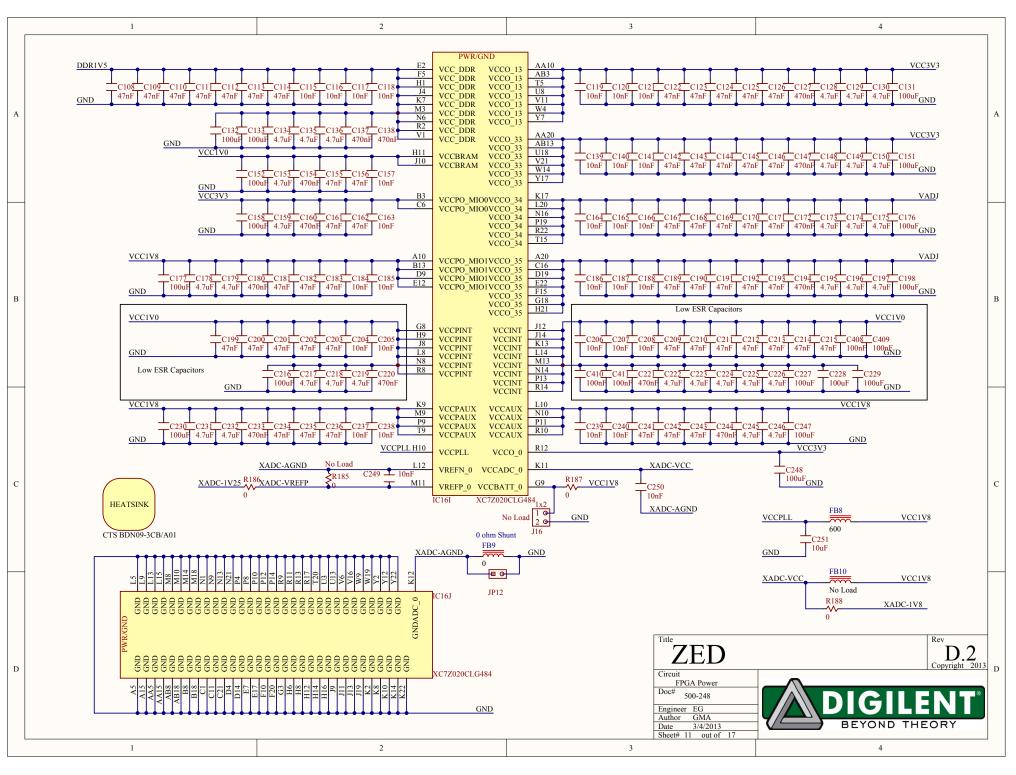


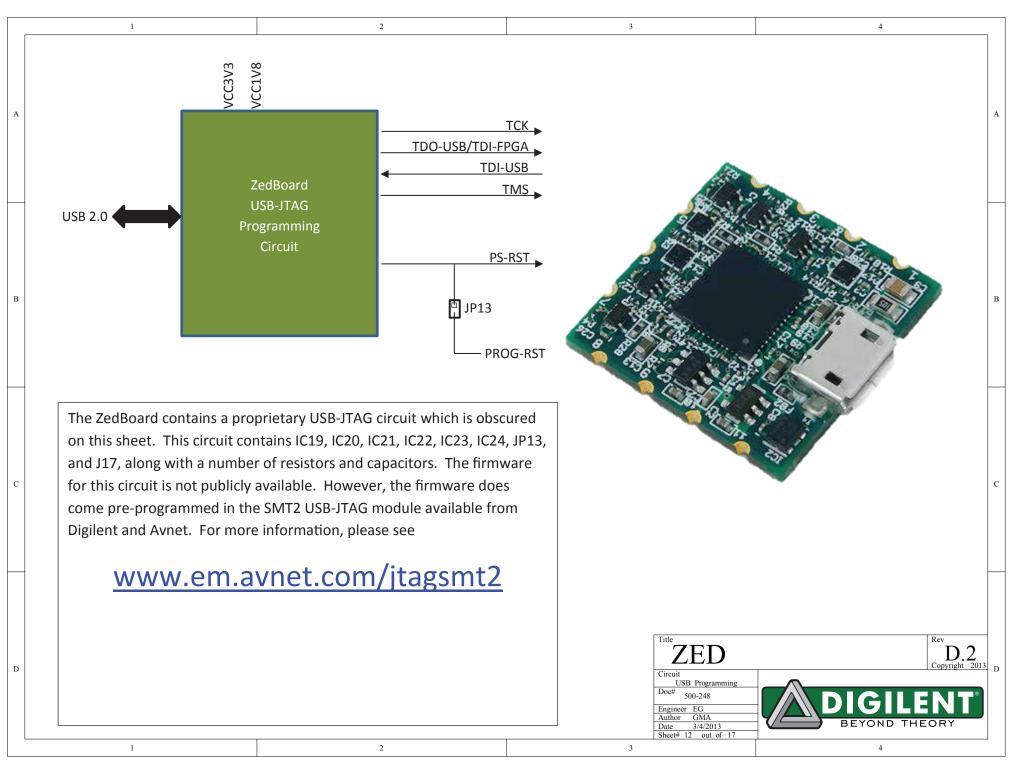


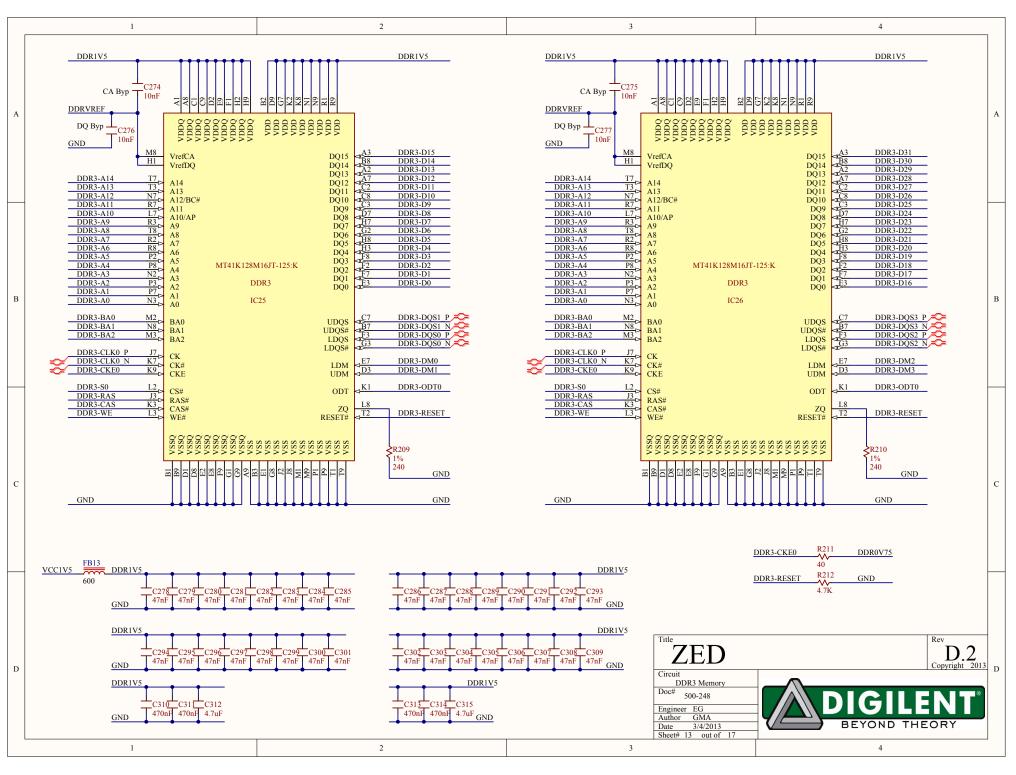


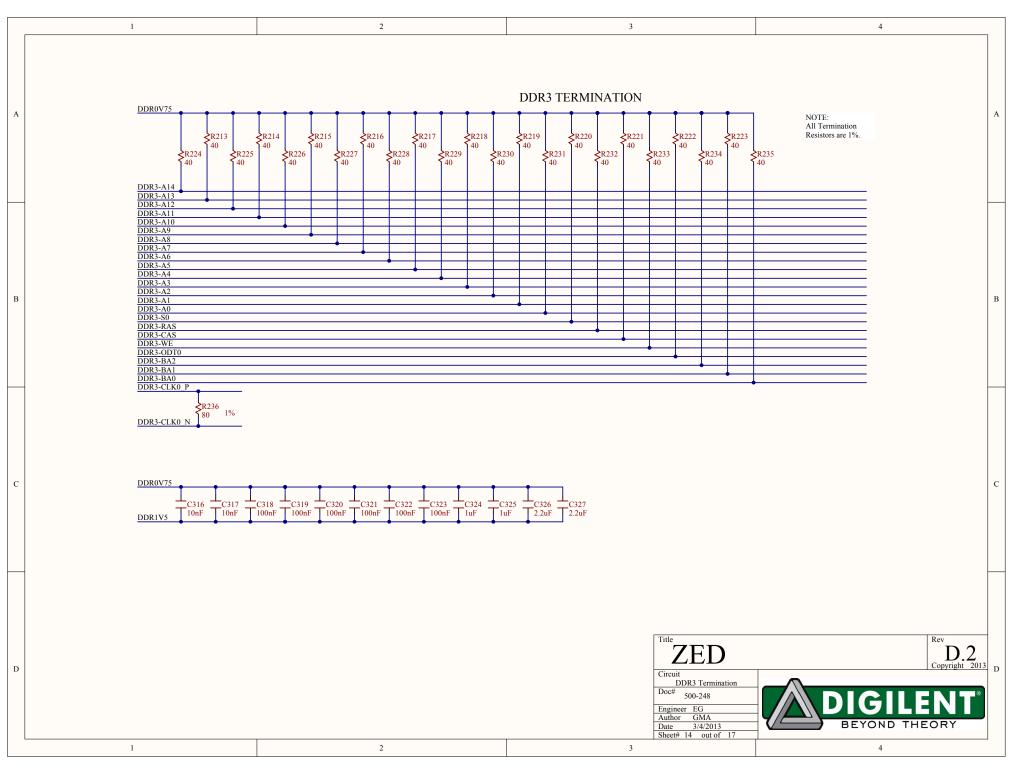


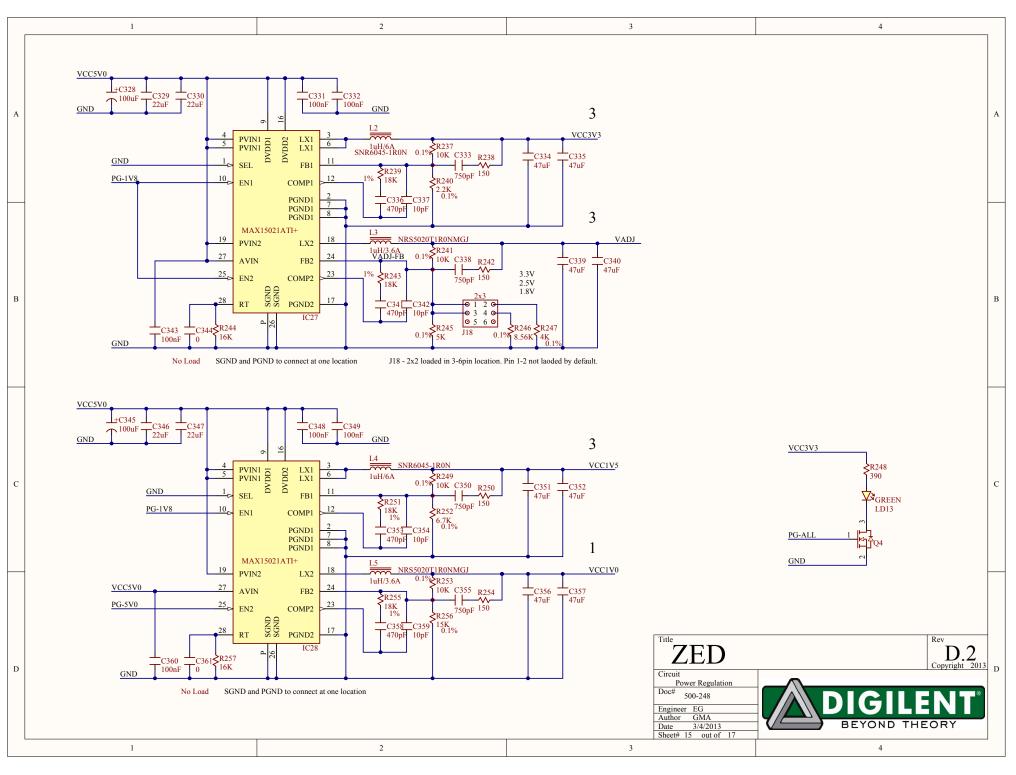


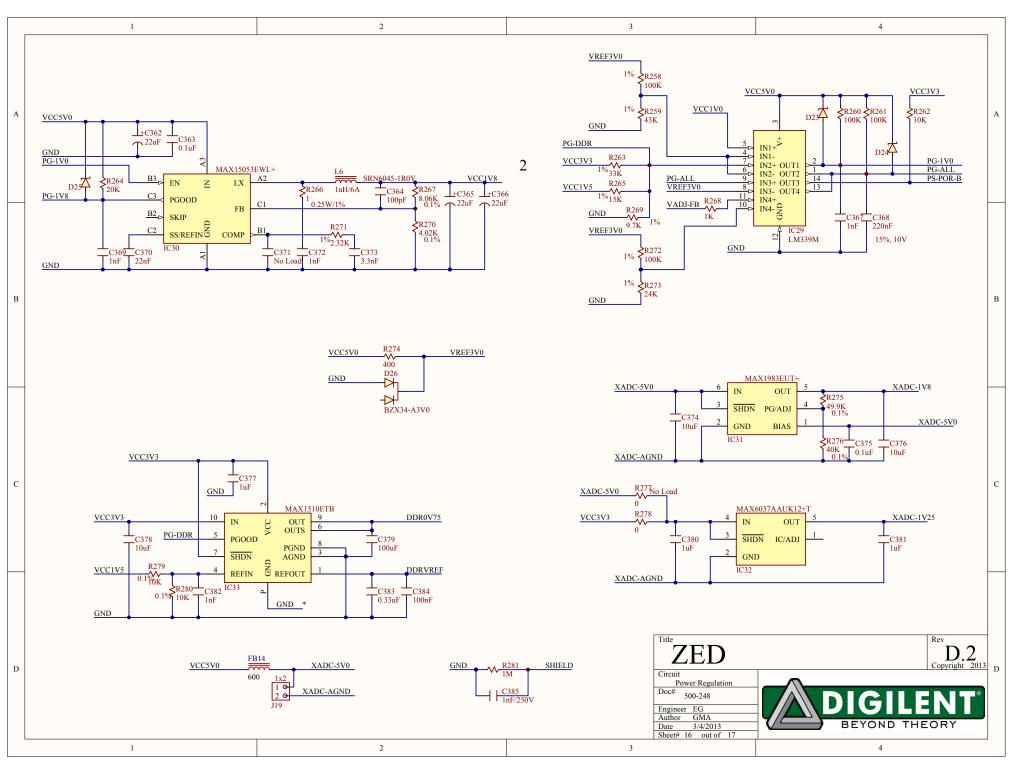


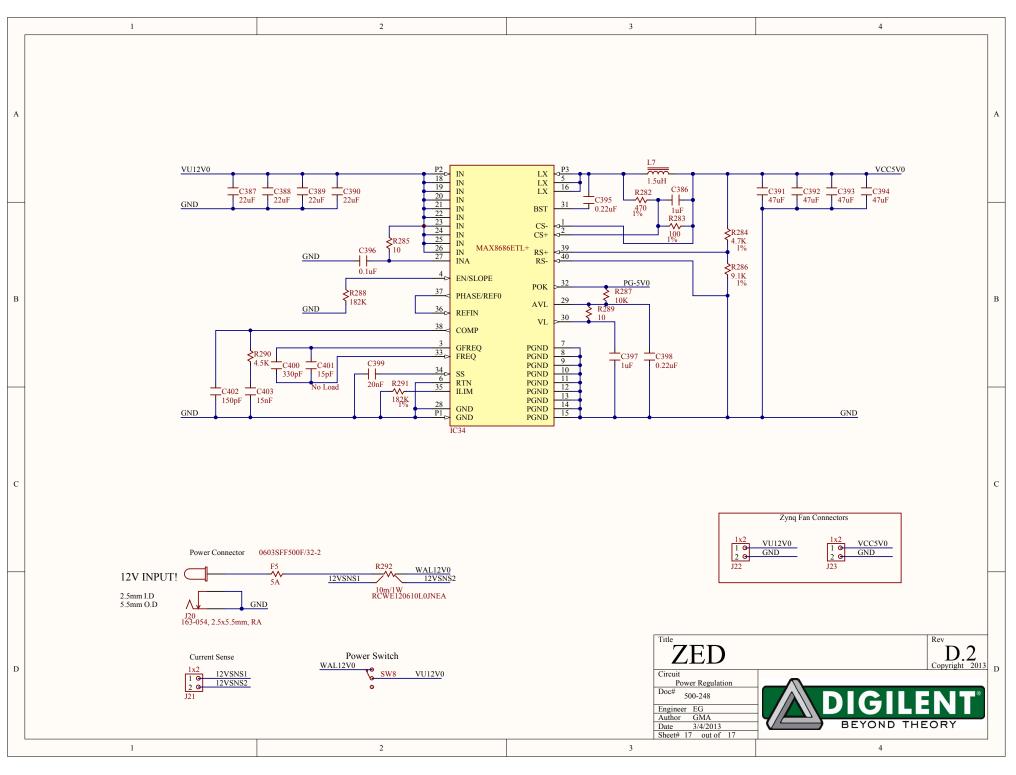












Rev C.1 to D.2 Change History

Issue: Update Zynq to Production Silicon

PCB: no change.

Parts: load IC16 with XC7Z020-1CLG484C

Issue: Update DDR3 to newer device

PCB: no change.

Parts: load IC25 and IC26 with MT41K128M16JT-125:K

Issue: IC31 IN oscillates due to insufficient decoupling

PCB: change C374 pad size to 0603. *Parts*: load C374 with 10uF 10V.

Issue: C89 incorrect value

PCB: no change

Parts: Load C89 with 150uF tantalum (already implemented)

Issue: Two DDR3 power/termination pins not in schematic part

PCB: fix DDR3 part to include two missing pins

Parts: no change

Issue: CKE signal pull-down revised

PCB: add 0402 resistor from CKE to VTT. *Parts*: Load new resistor with 40ohm resistor.

Issue: SD Card clock requires termination resistor

PCB: add series termination resistor to SD Clock. *Parts*: load new resistor with 50ohm resistor.

Issue: Heat issues

PCB: add two 1x2 pin headers (5V/GND and 12V/GND) to power a

fan if needed

Parts: load headers; add heat sink

Issue: VBUS must connect to power pin on USB connector

PCB: move existing 0402 resistor between USB power pin and VBUS

Parts: no change

Issue: Parts not fitting pads (J12, L7)

PCB: Extended pads on L7 to accommodate larger parts

Parts: load only specified parts

Issue: HDMI signals radiate energy causing CE testing to fail

PCB: no change

Parts: add ferrite to HDMI cable

Issue: Replace RJ-45

PCB: no change.

Parts: load J11 with 1840750-7