Spartan-3A/3AN Starter Kit Board Schematic

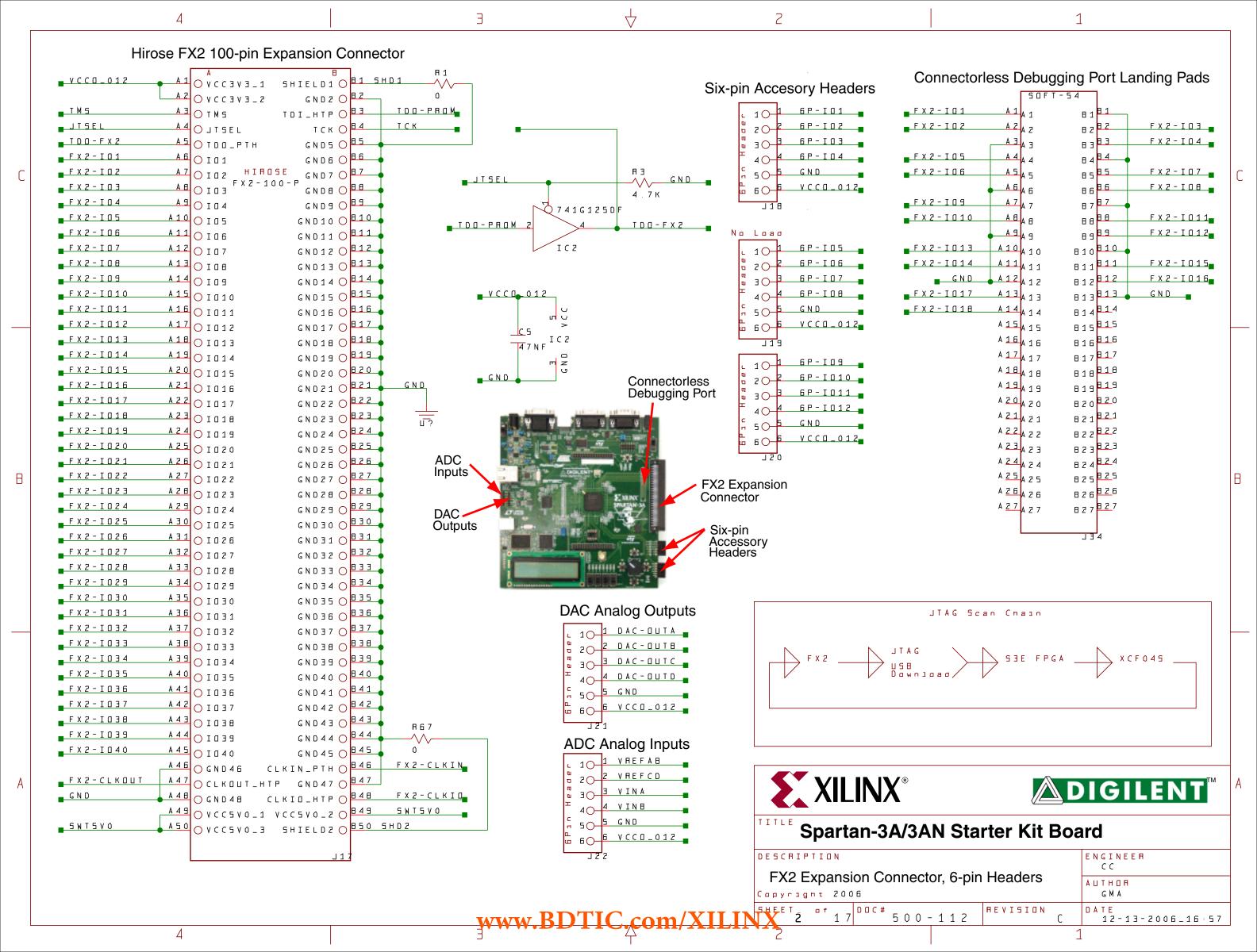
(Annotated) 21-AUG-2007

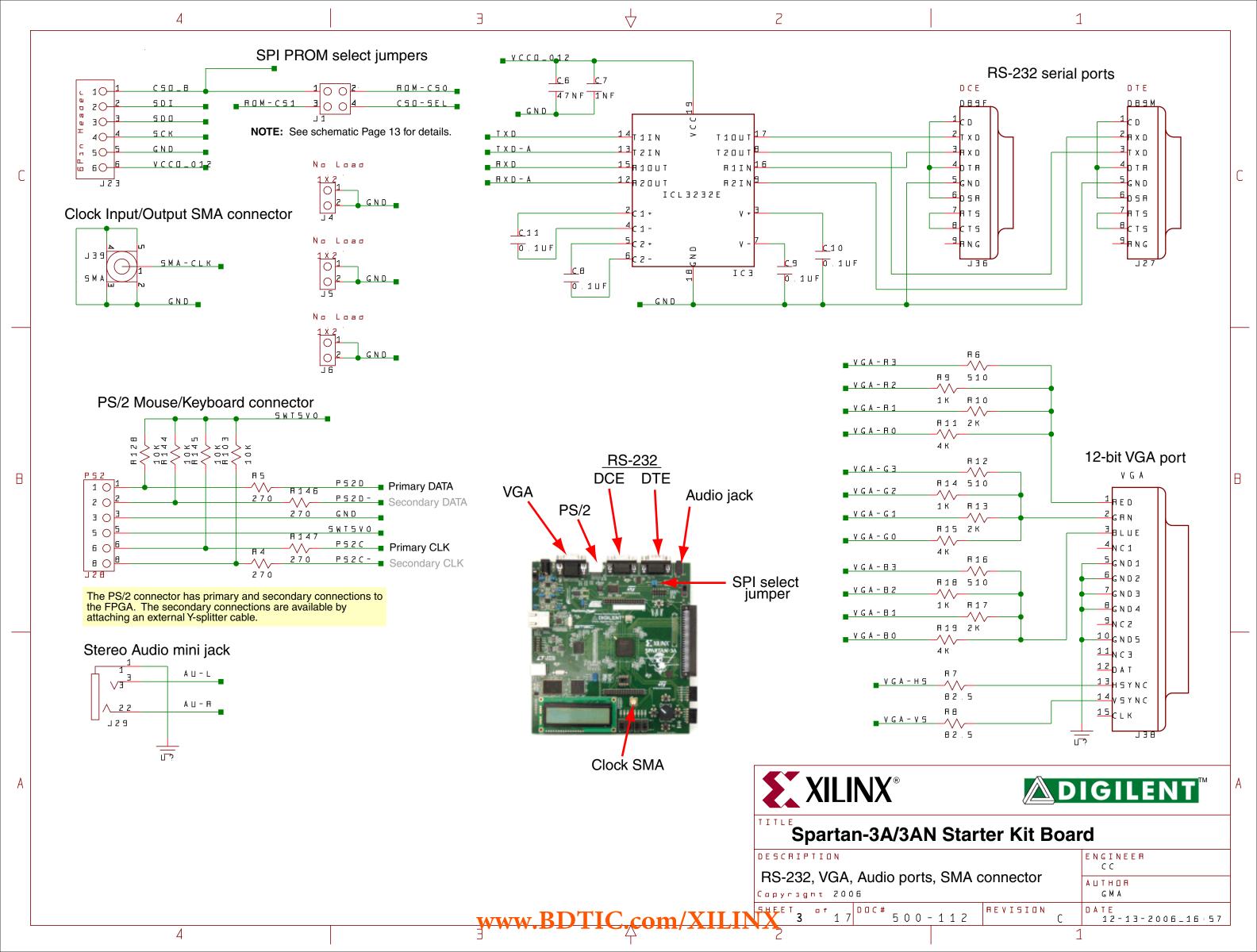


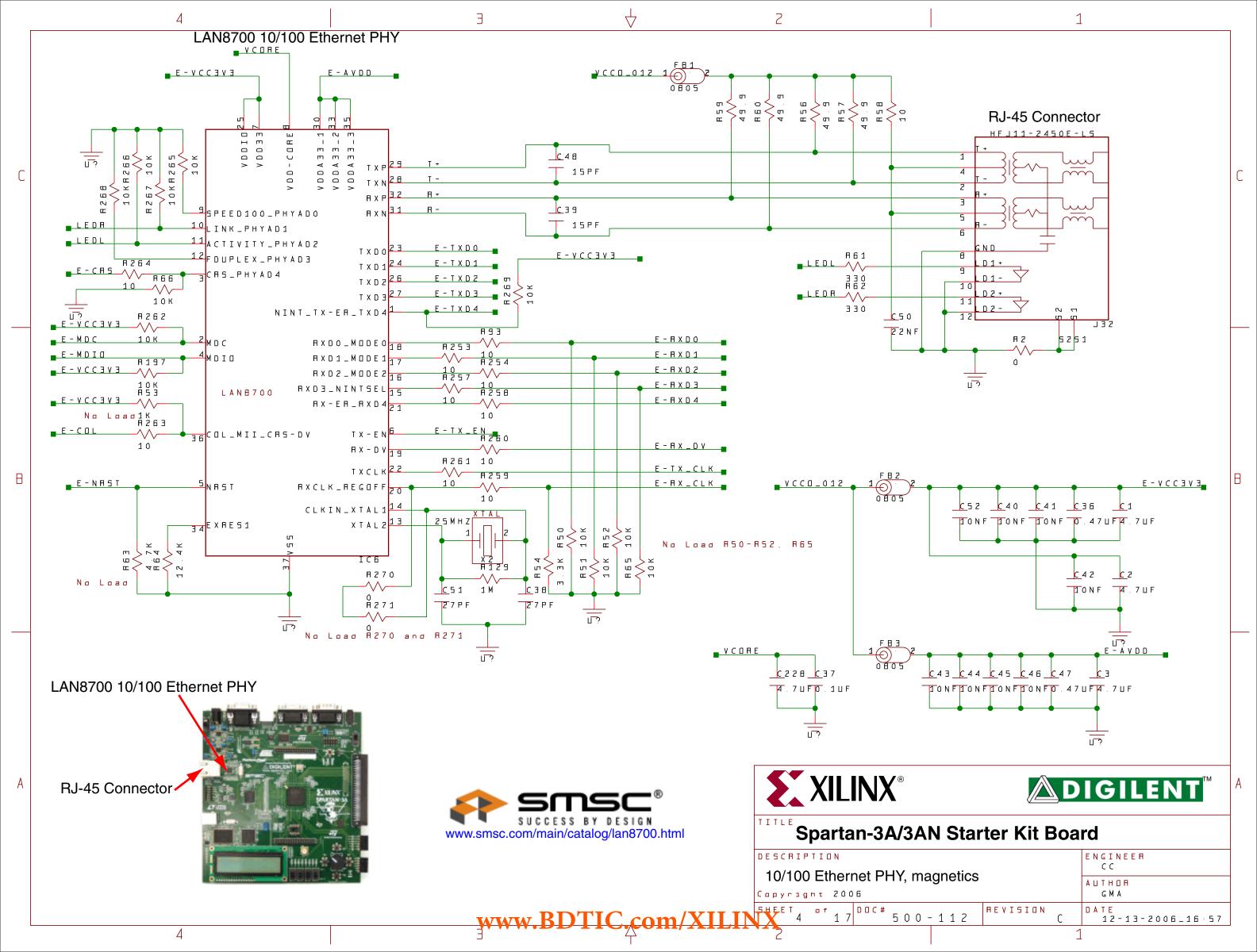
For additional information ... www.xilinx.com/s3astarter

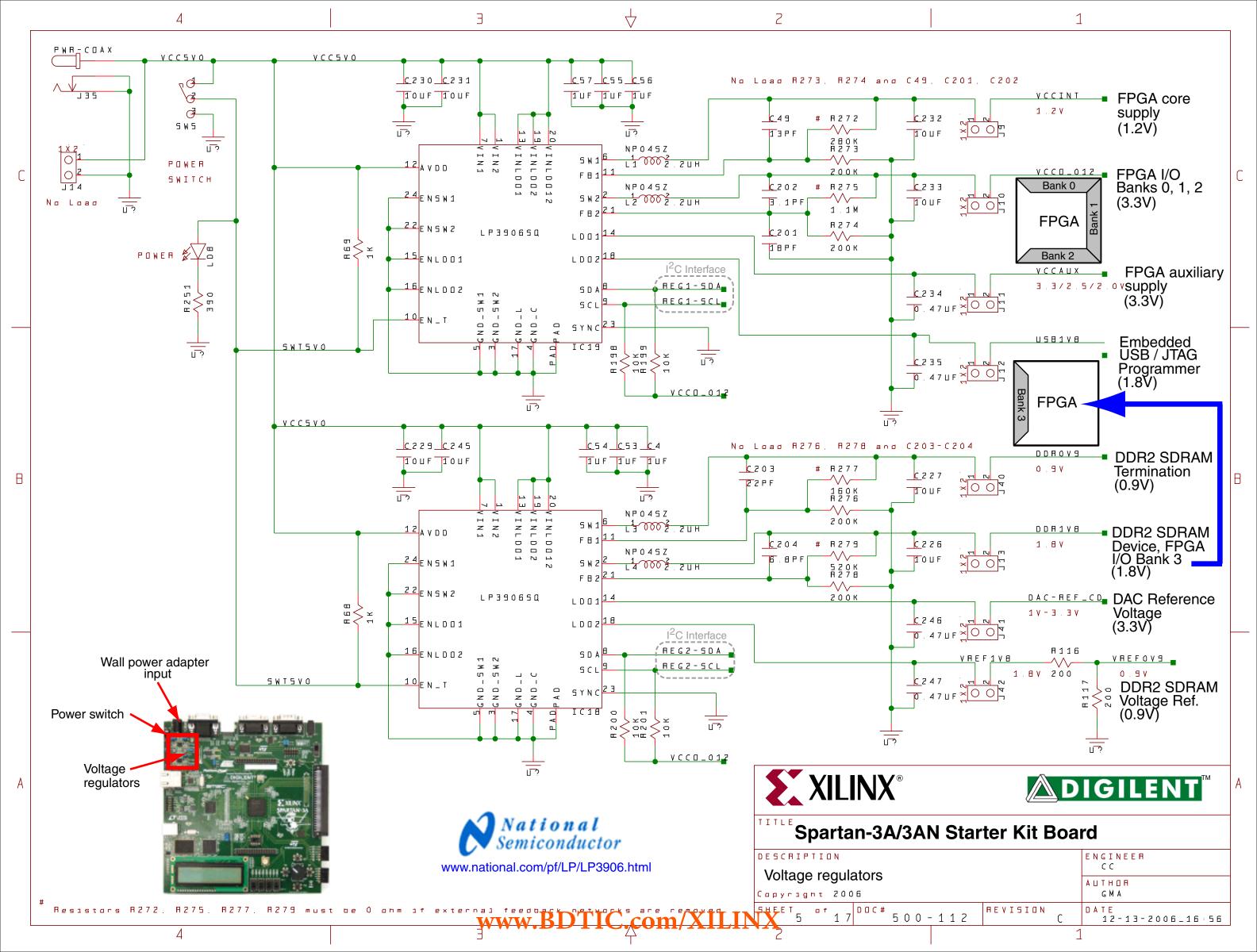
See UG334: Spartan-3A/3AN Starter Kit User Guide for further information on each board feature

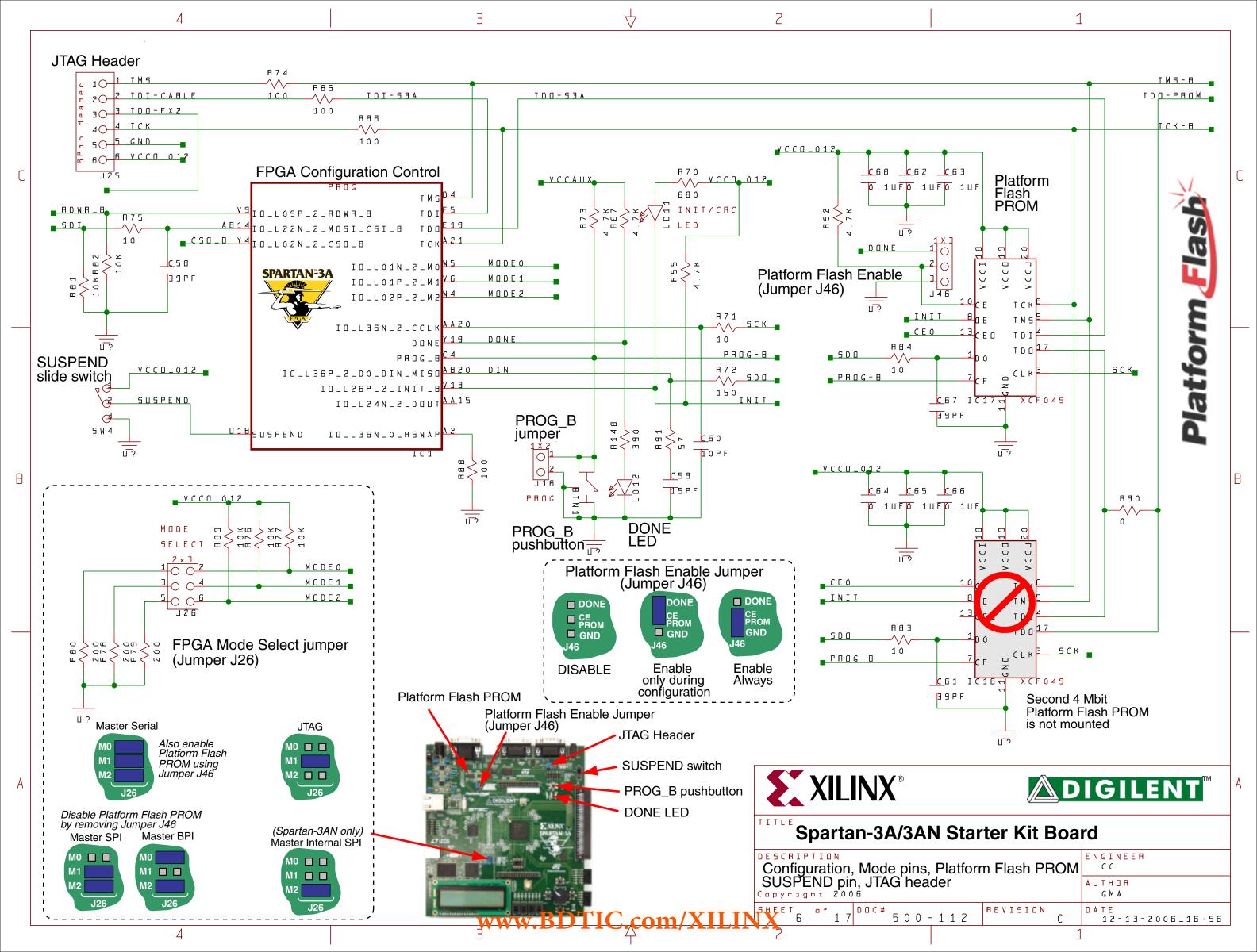


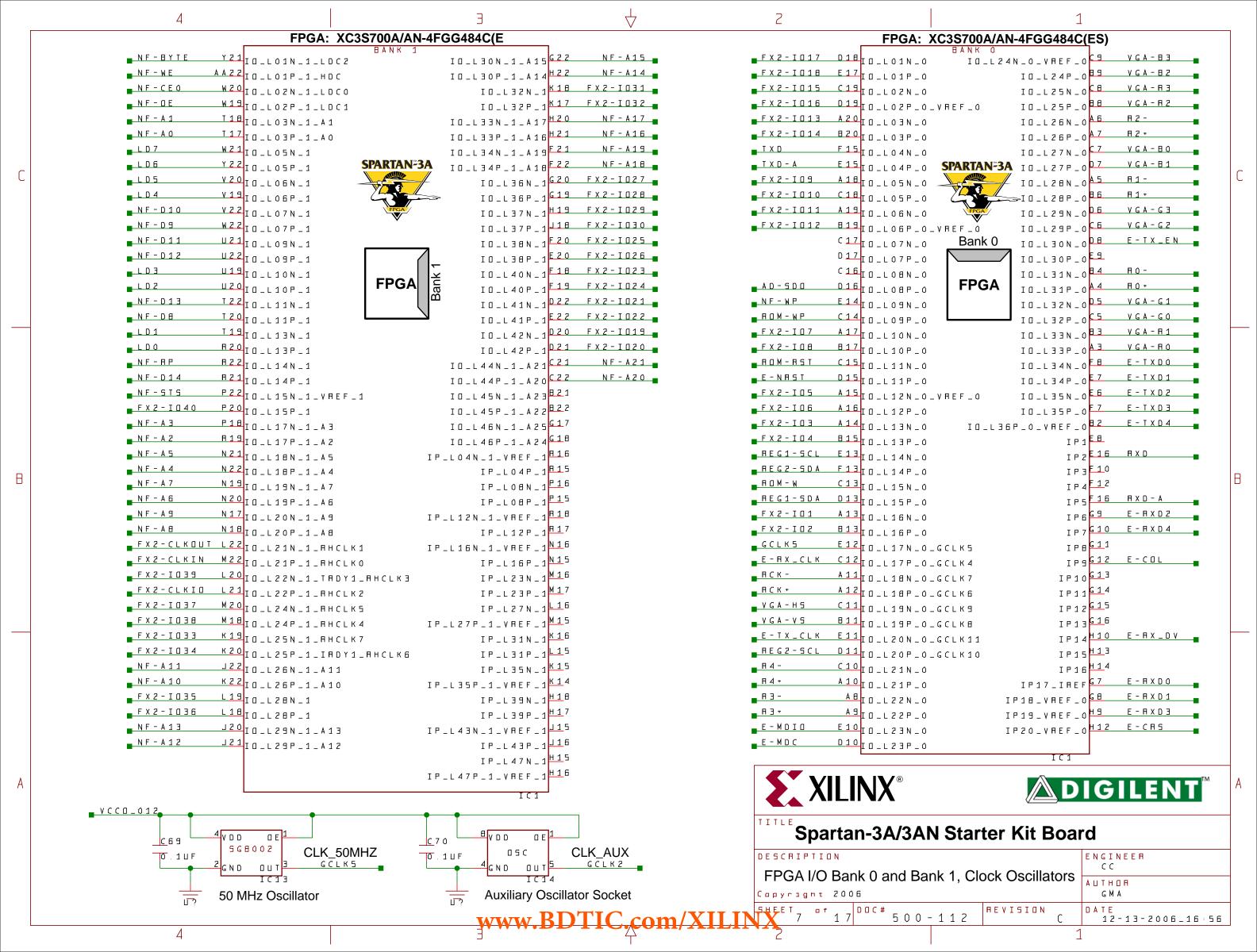


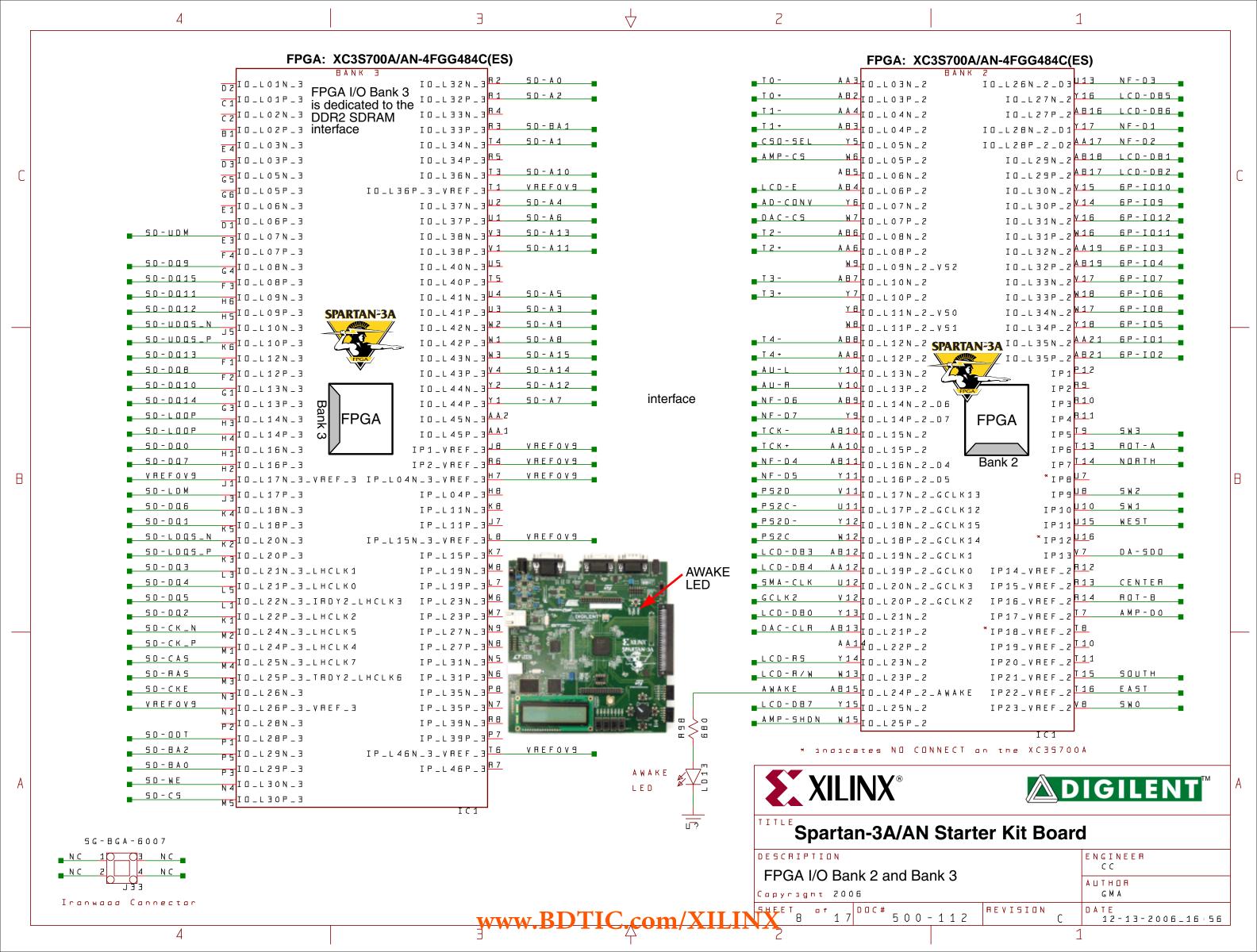


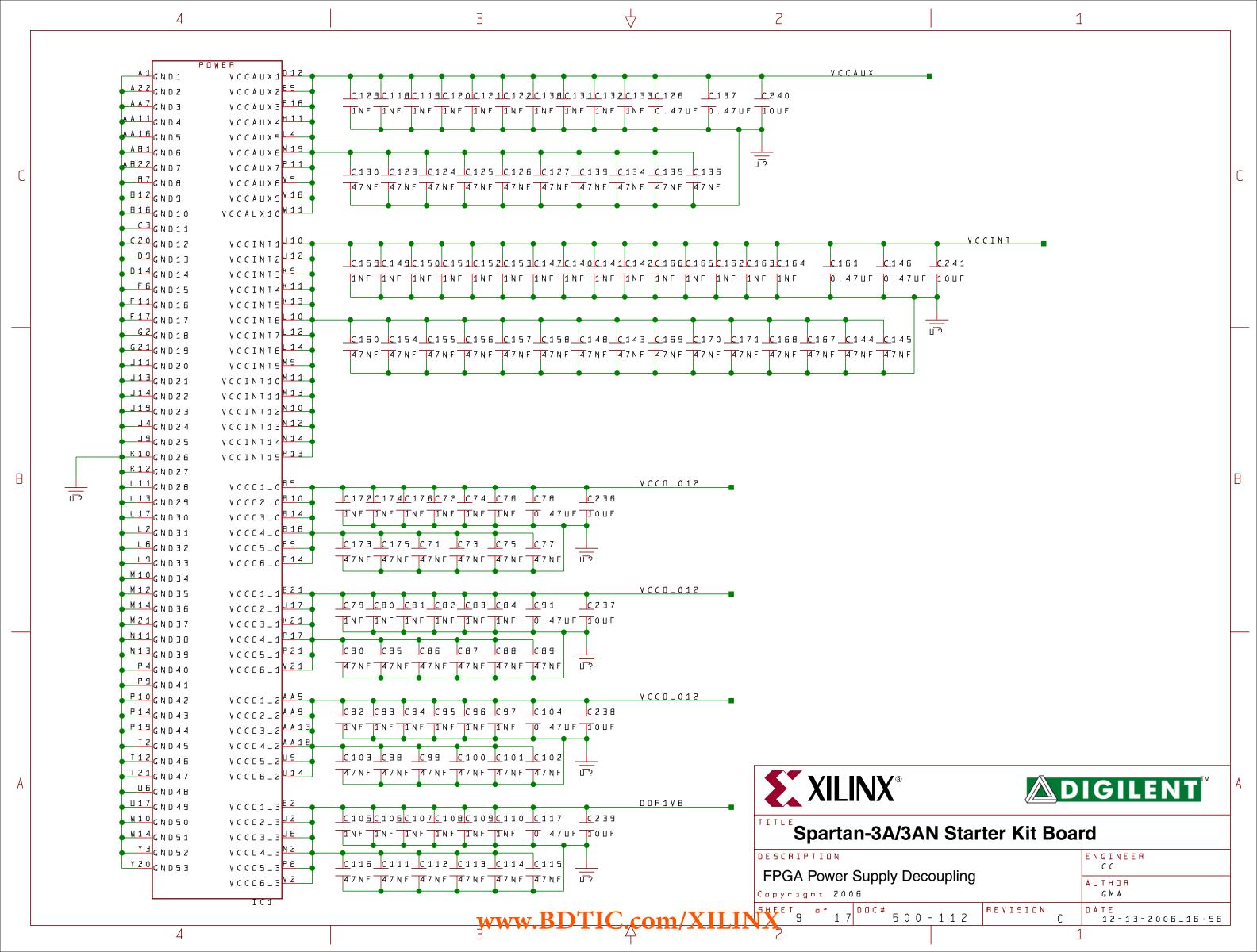


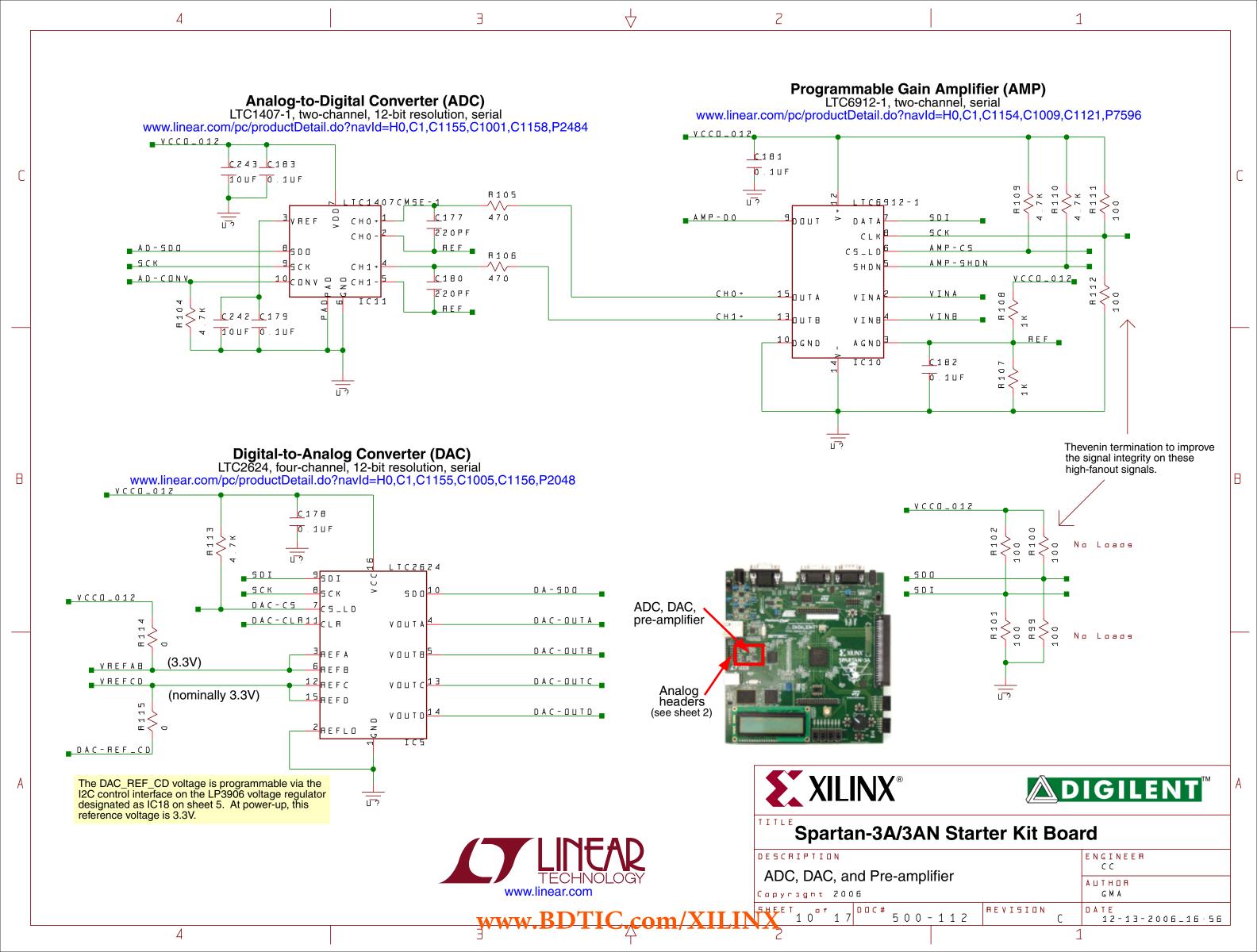


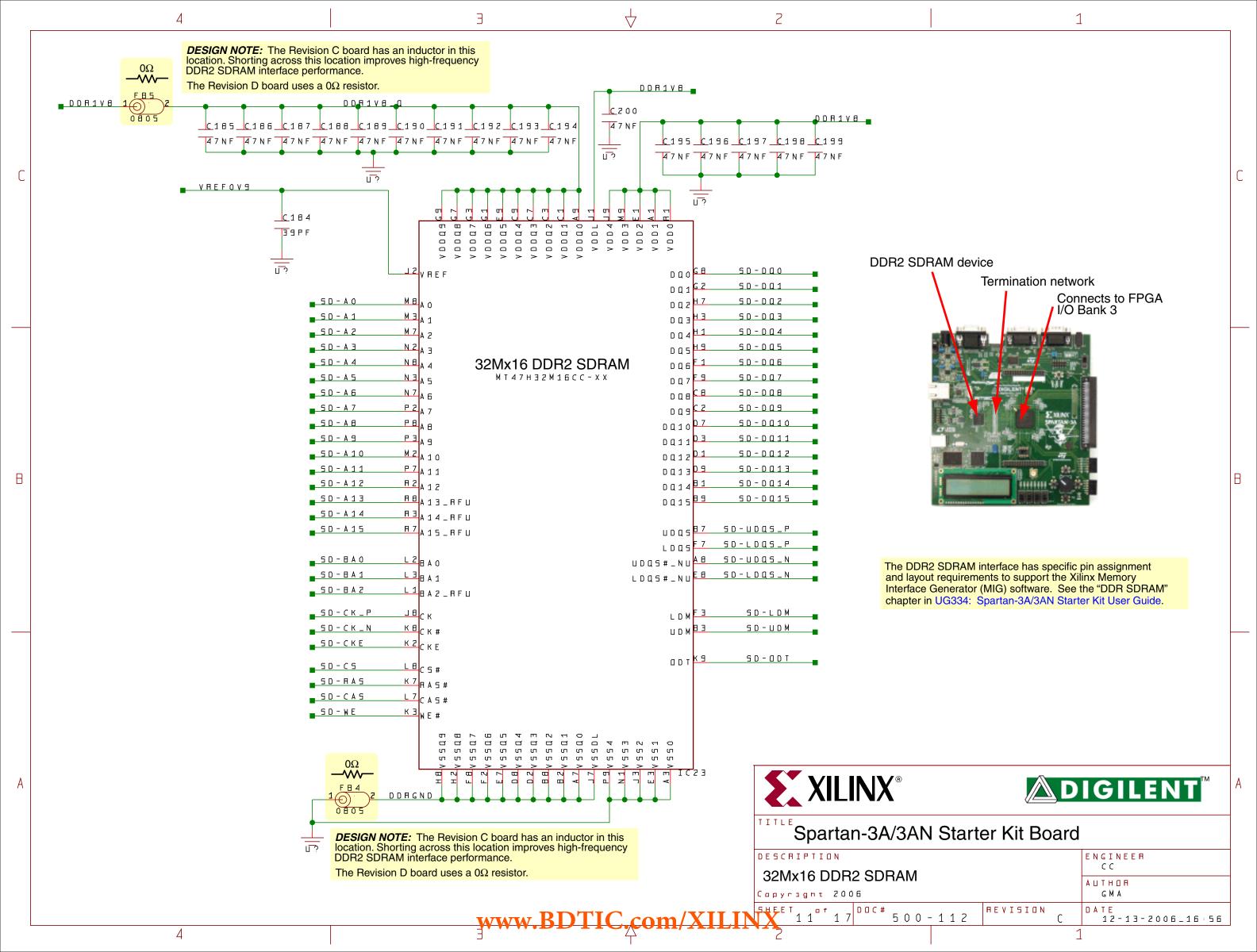


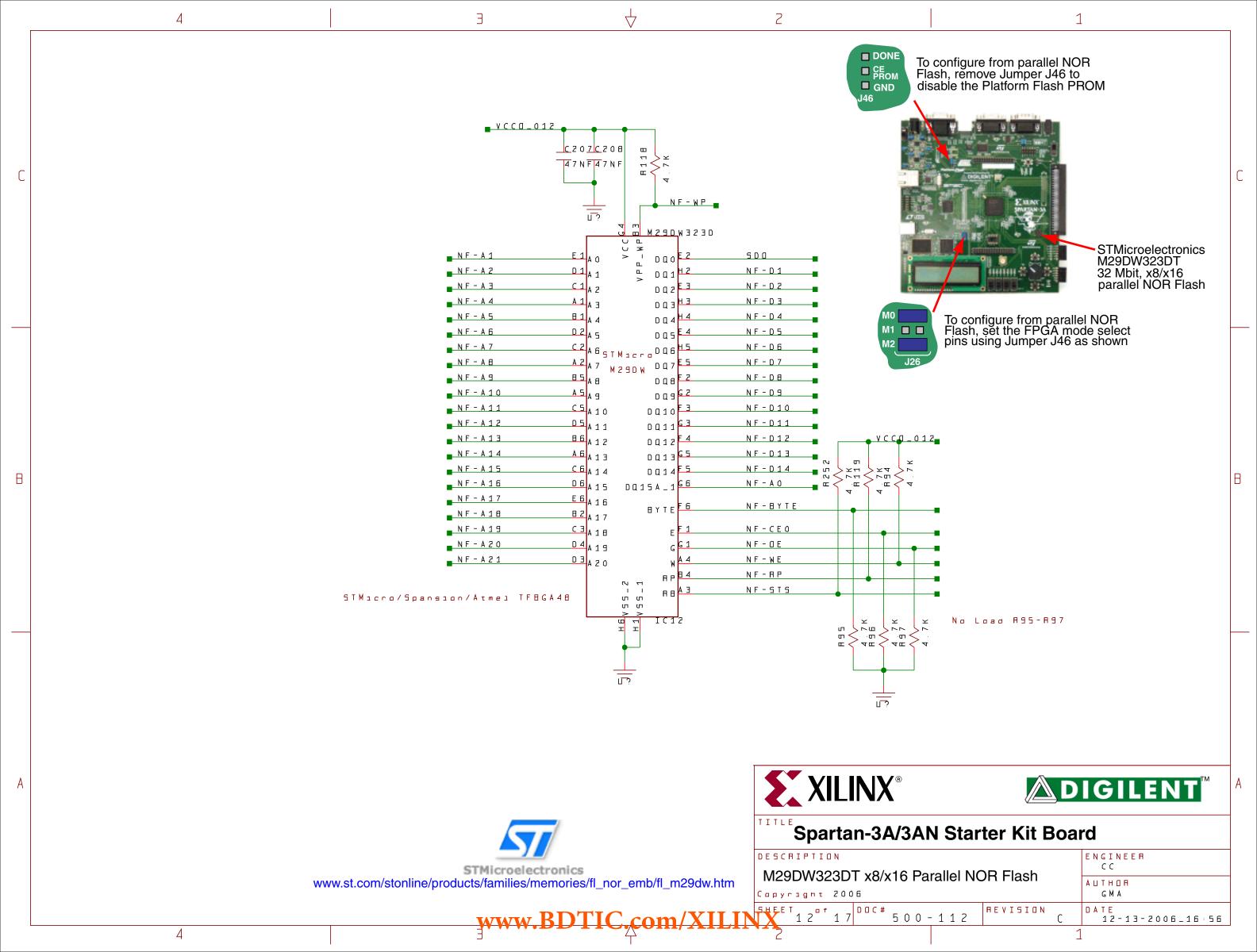


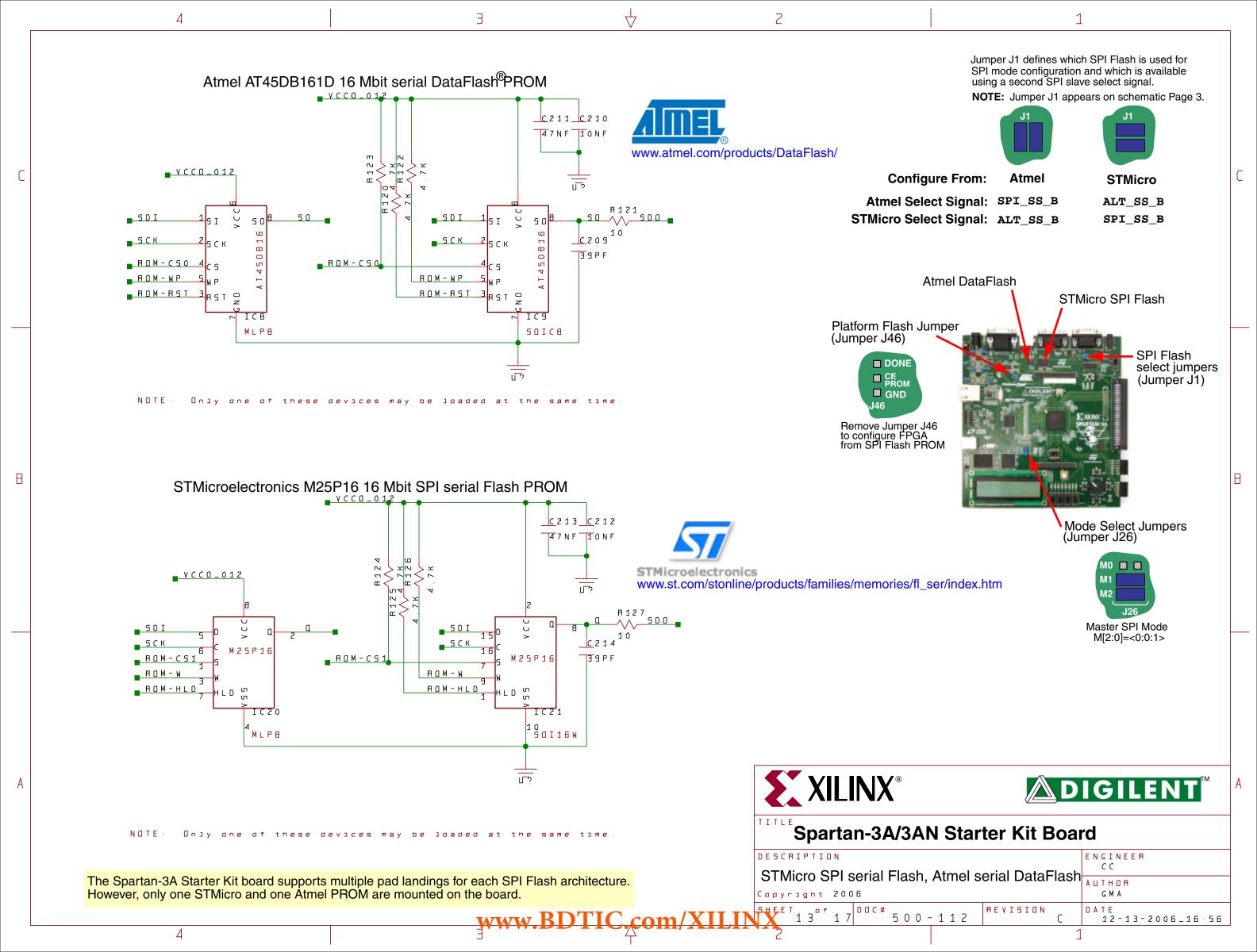


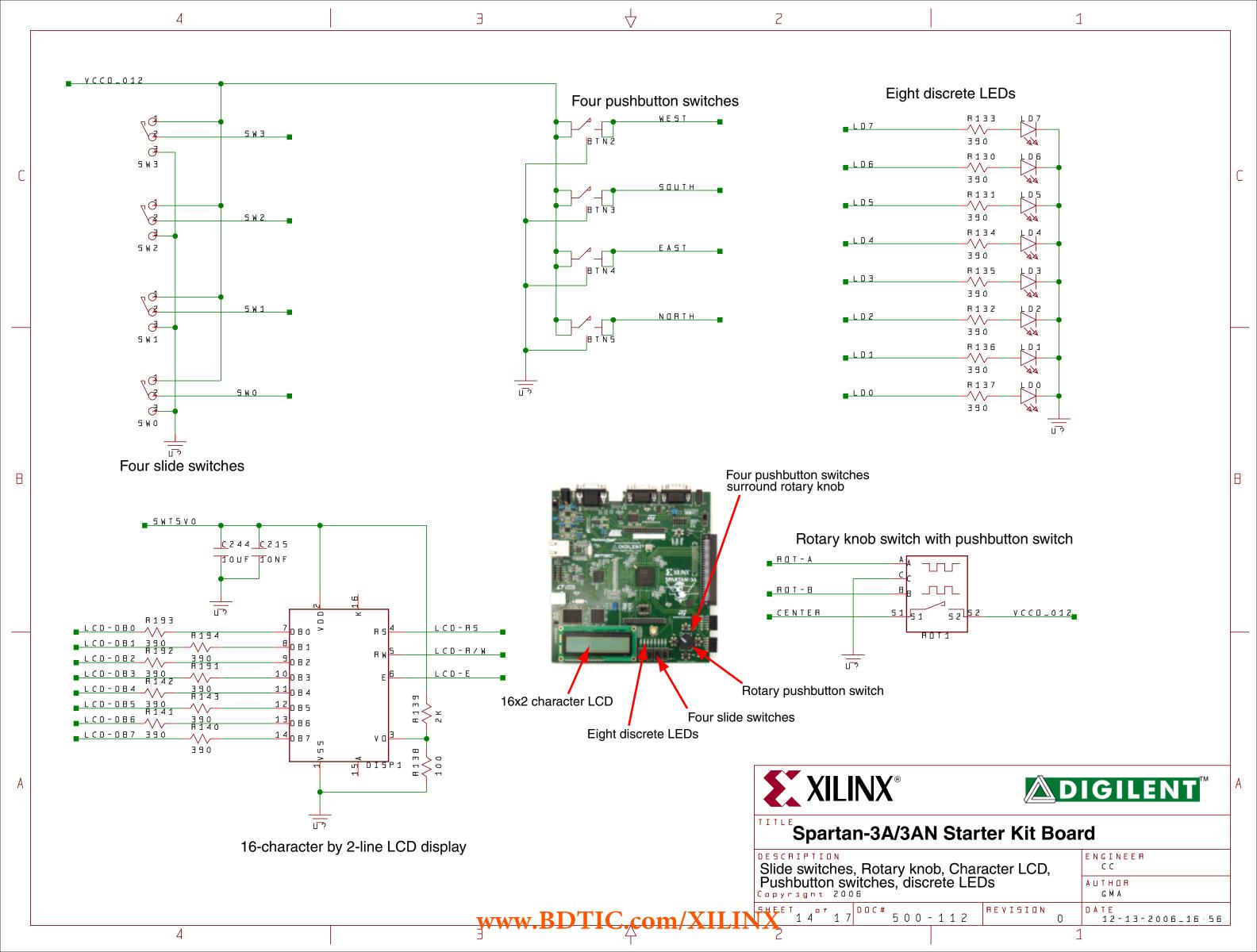


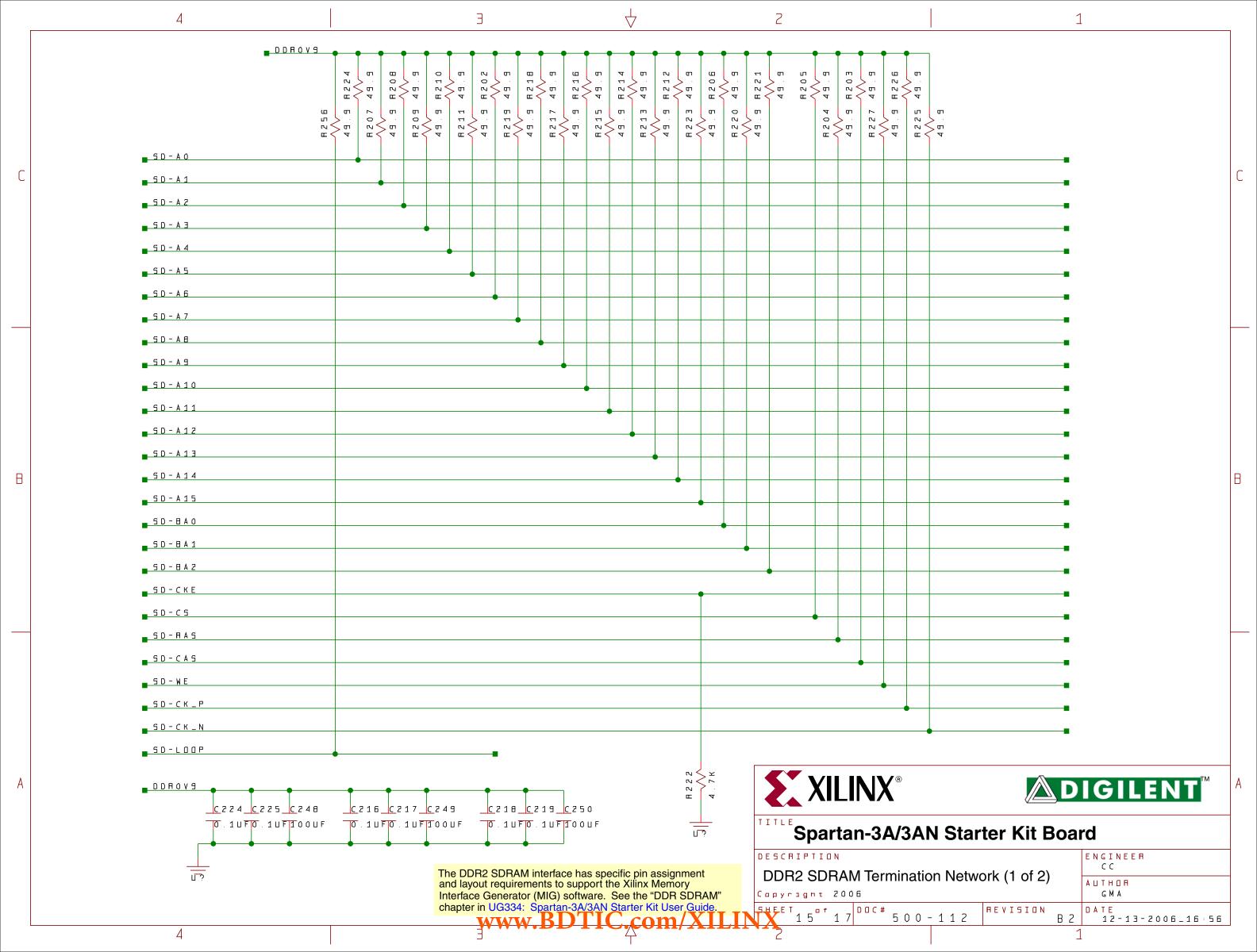


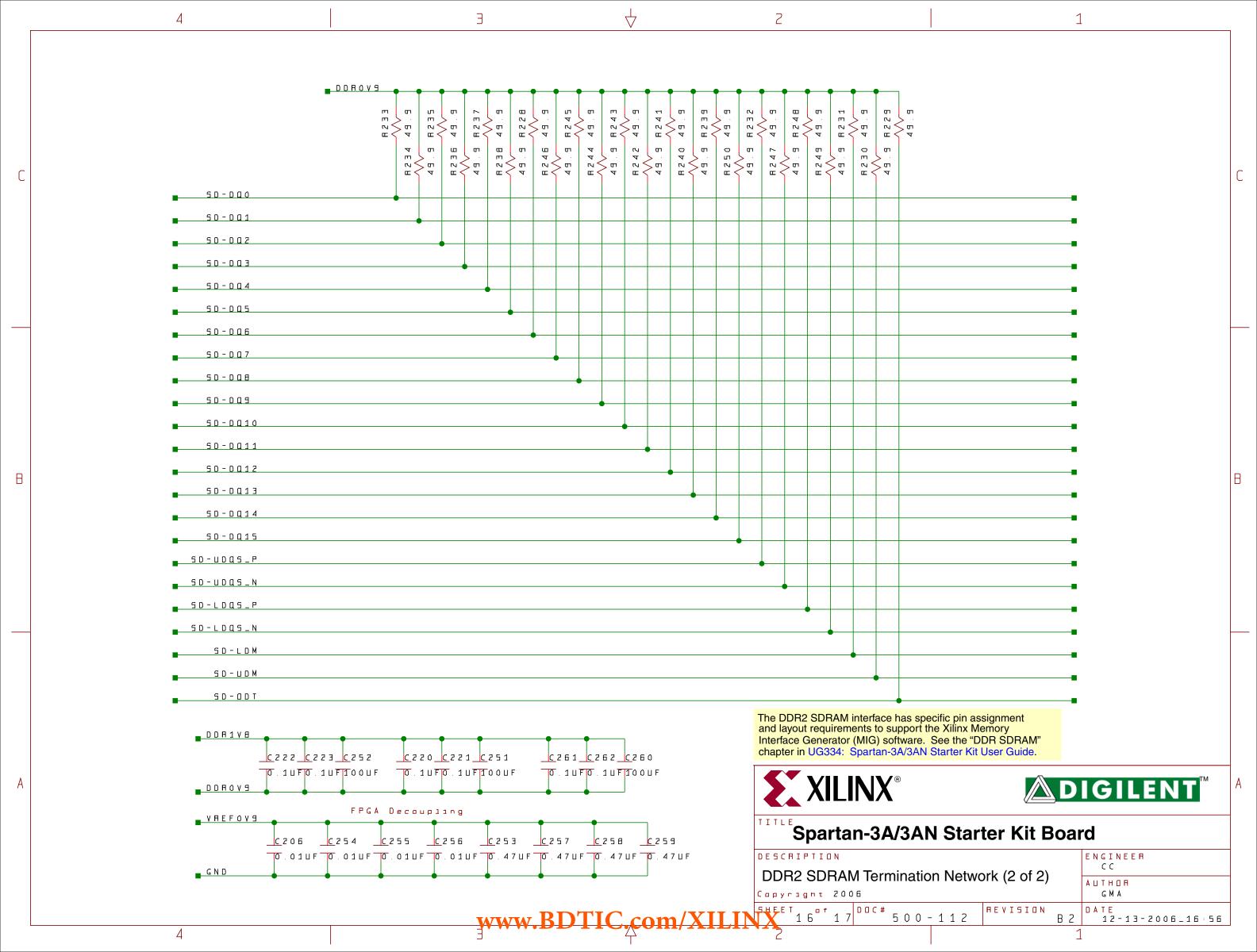




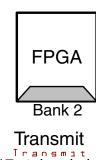








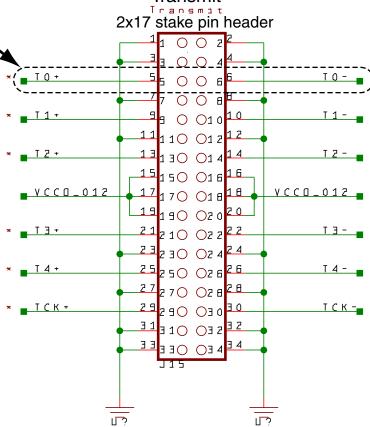


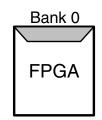


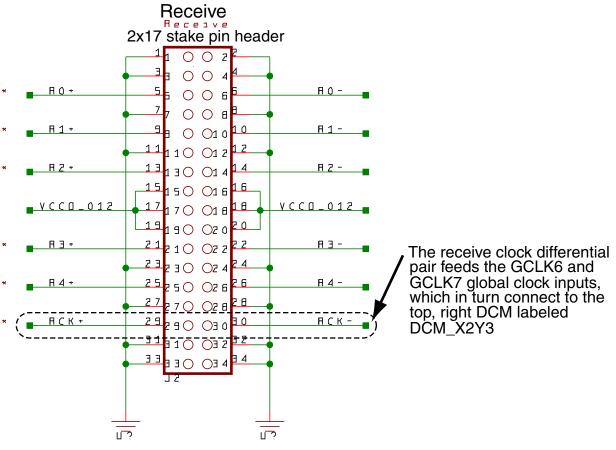
Pairs of pins on the header form potential differential I/O pairs.

Optionally, each pin can be a single-ended I/O pin.

Each individual differential I/O pair is routed with matched 100-ohm impedance.

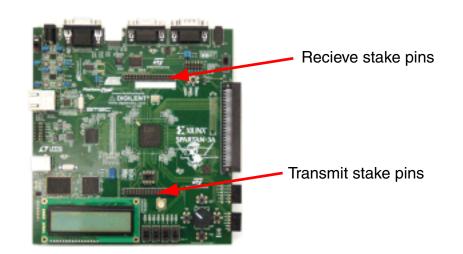






If using differential inputs, set the DIFF_TERM=TRUE constraint. There are no external termination resistors provided on the board.

INST <I/O_BUFFER_INSTANTIATION_NAME> DIFF_TERM = "TRUE";







В

Spartan-3A/3AN Starter Kit Board

DESCRIPTION

Differential I/O Headers

Capyright 2006

SHEET 17 17 500-112 REVISION B 2 DATE 12-13-2006_16:56

*NOTE: These signals are 100R Differential pairs and must be routed within 0.25 "