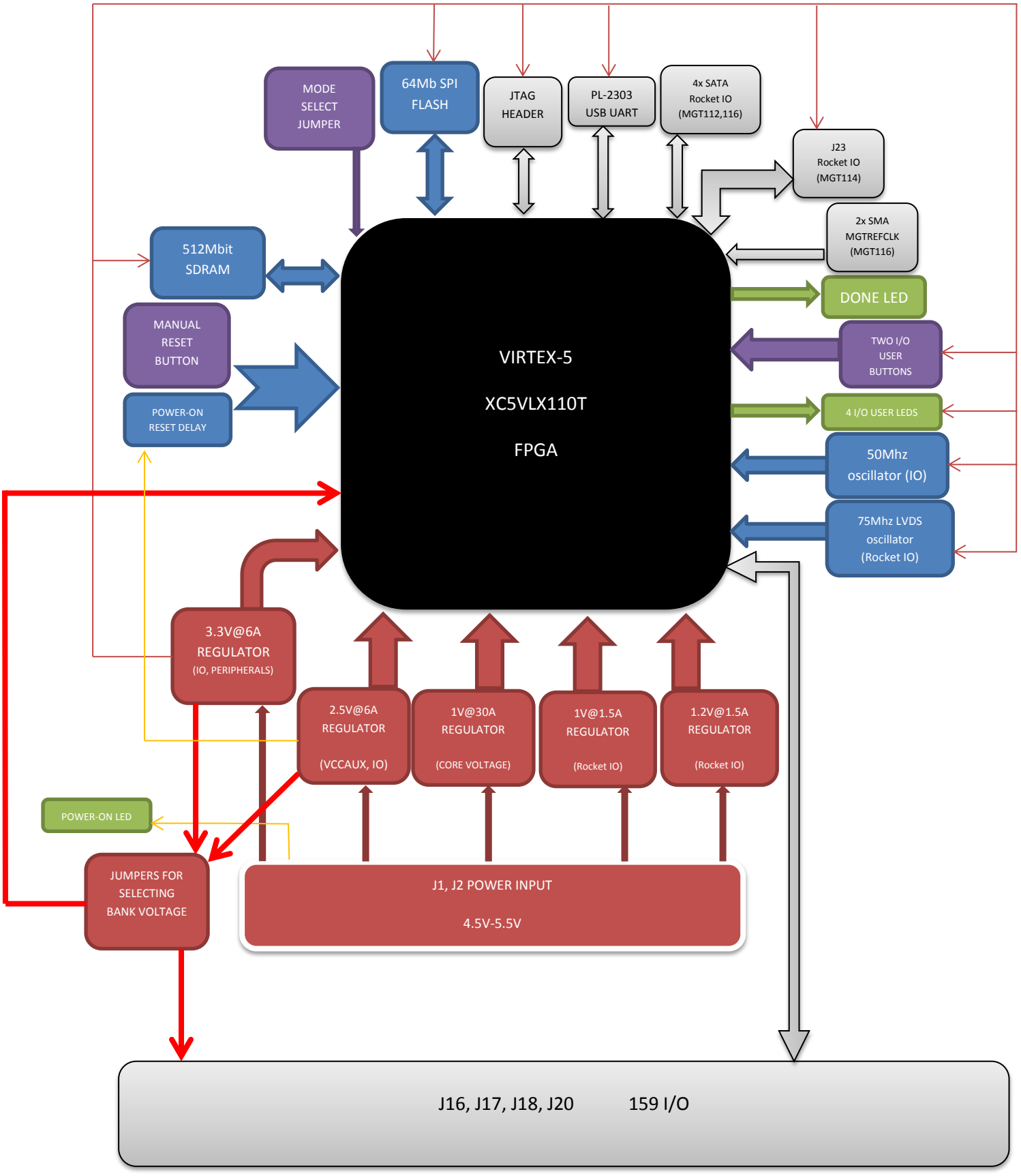
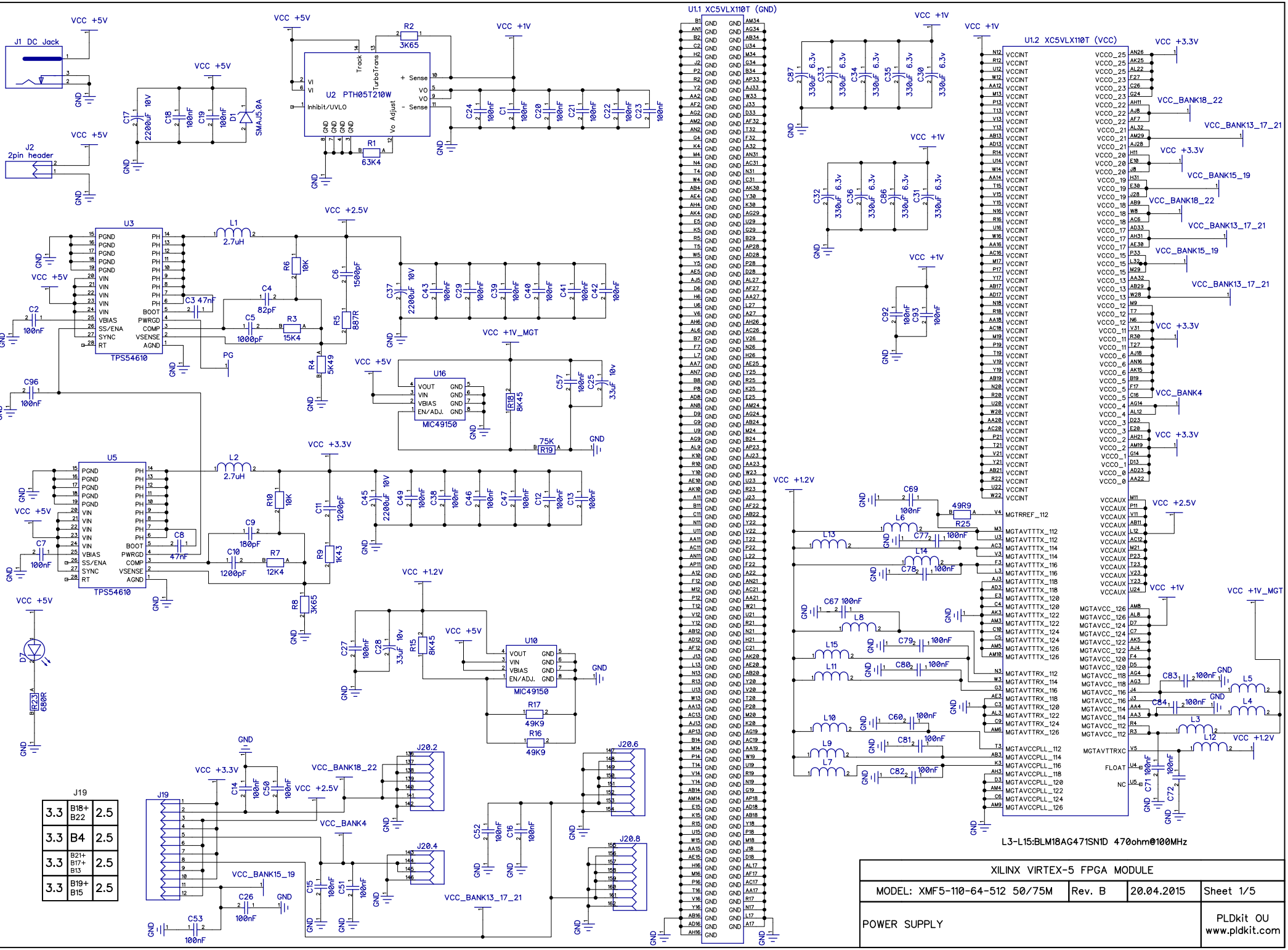
XILINX VIRTEX-5 FPGA MODULE BLOCK SCHEME

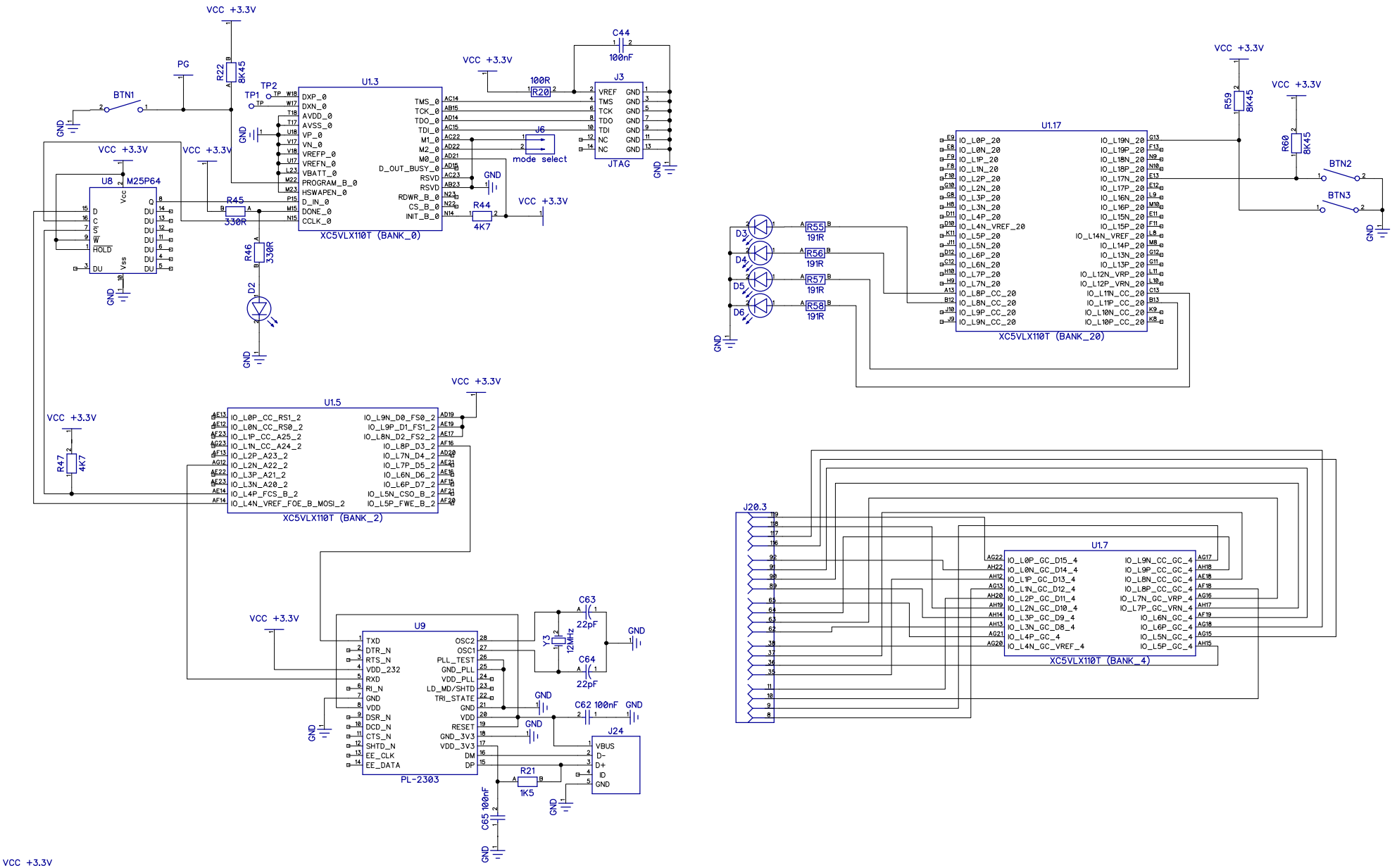
MODEL: XMF5-110-64-512 50/75M Rev.B



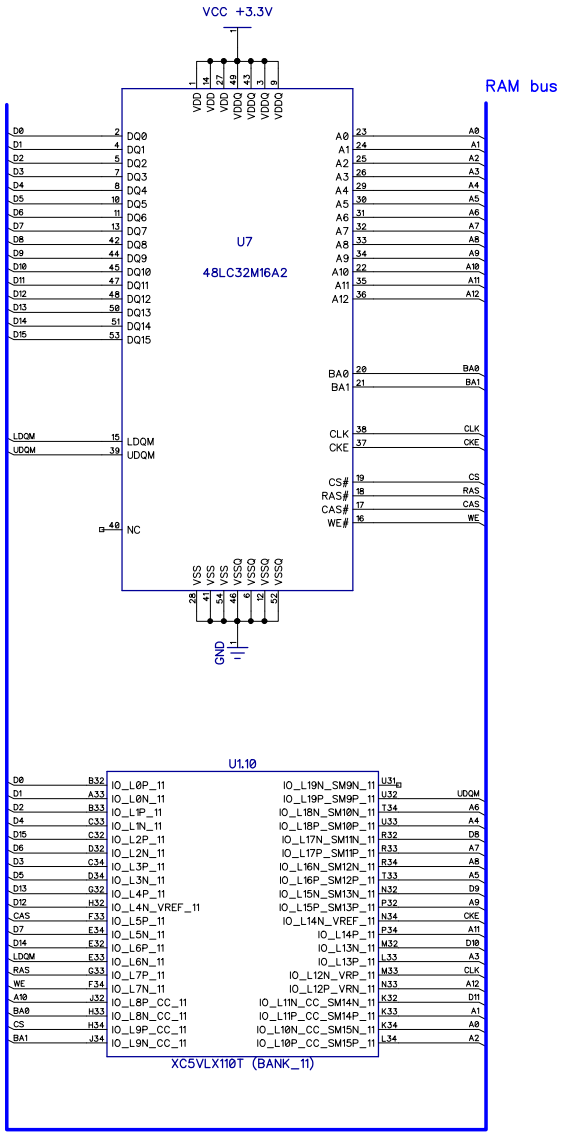


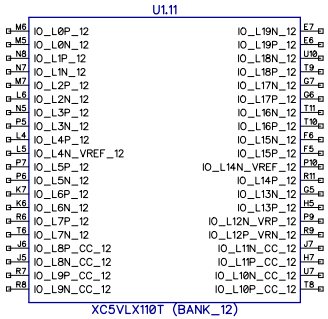
J19		
3.3	B18+ B22	2.5
3.3	B4	2.5
3.3	B21+ B17+ B13	2.5
3.3	B19+ B15	2.5

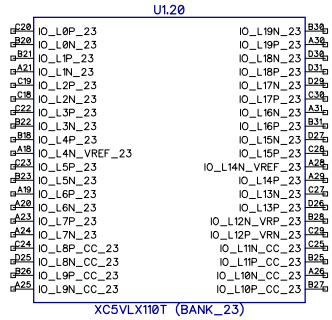
XILINX VIRTEX-5 FPGA MODULE			
MODEL: XMF5-110-64-512 50/75M	Rev. B	20.04.2015	Sheet 1/5
POWER SUPPLY			PLDkit OU www.pldkit.com

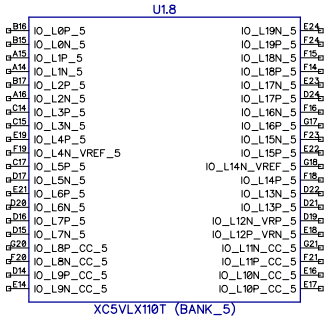


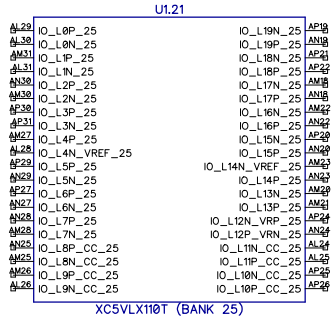
XILINX VIRTEX-5 FPGA MODULE			
MODEL: XMF5-110-64-512 50/75M	Rev. B	20.04.2015	Sheet 2/5
JTAG, FLASH, CLOCK, RS-232, LEDS, BUTTONS			PLDkit OU www.pldkit.com

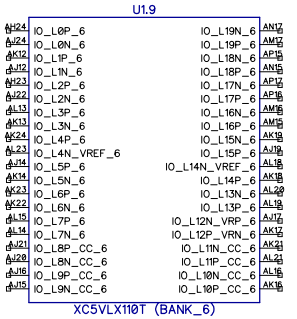




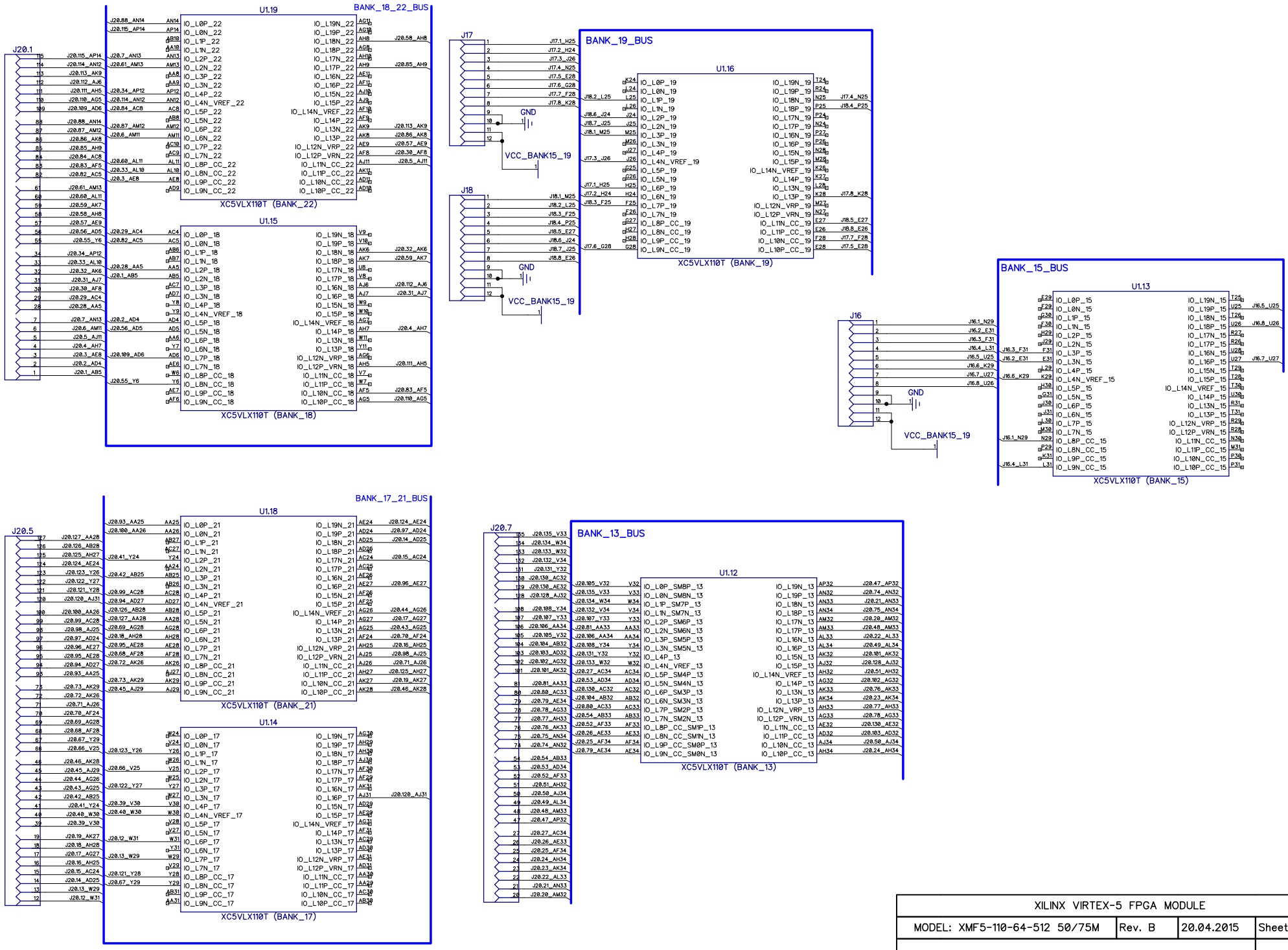




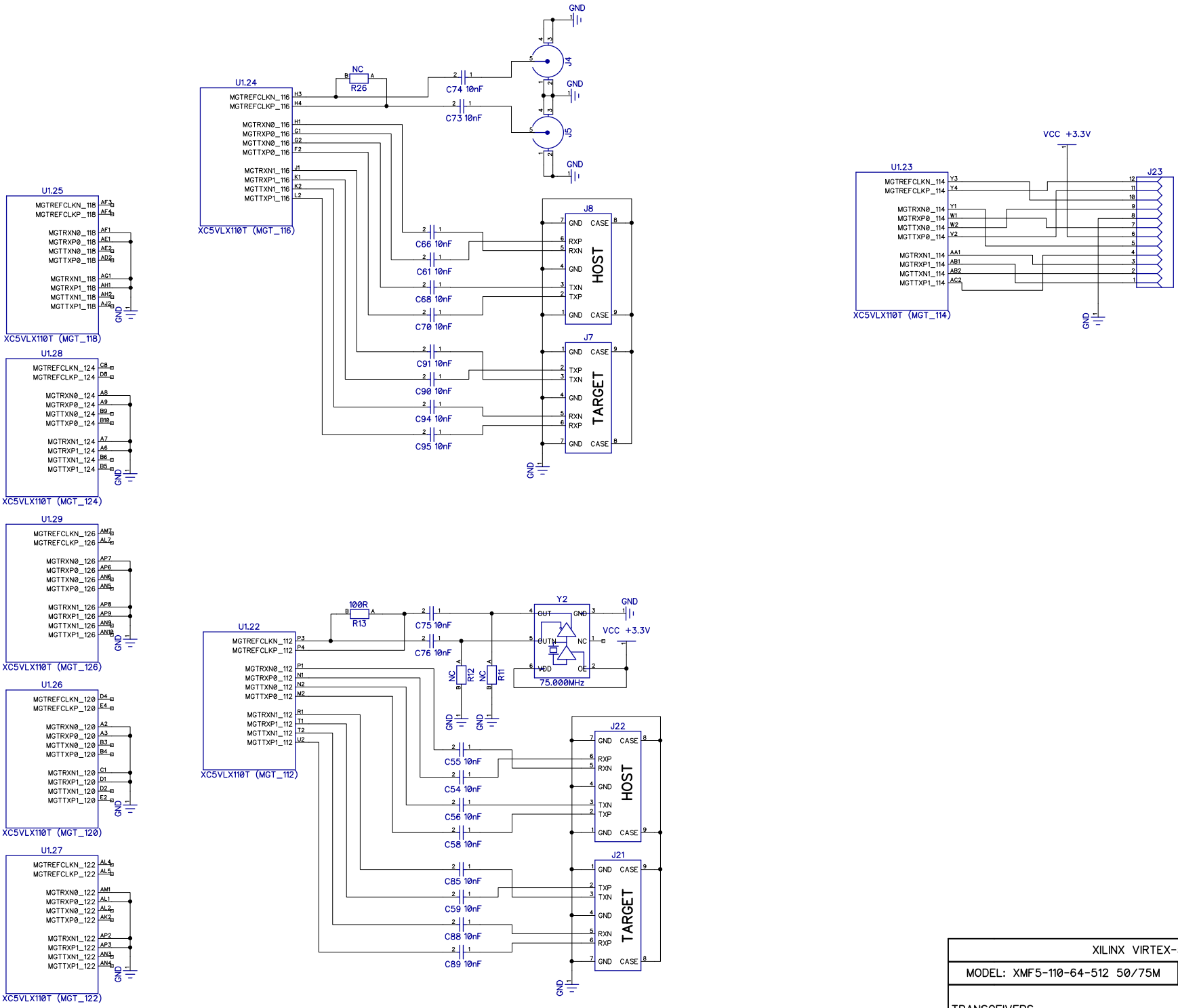




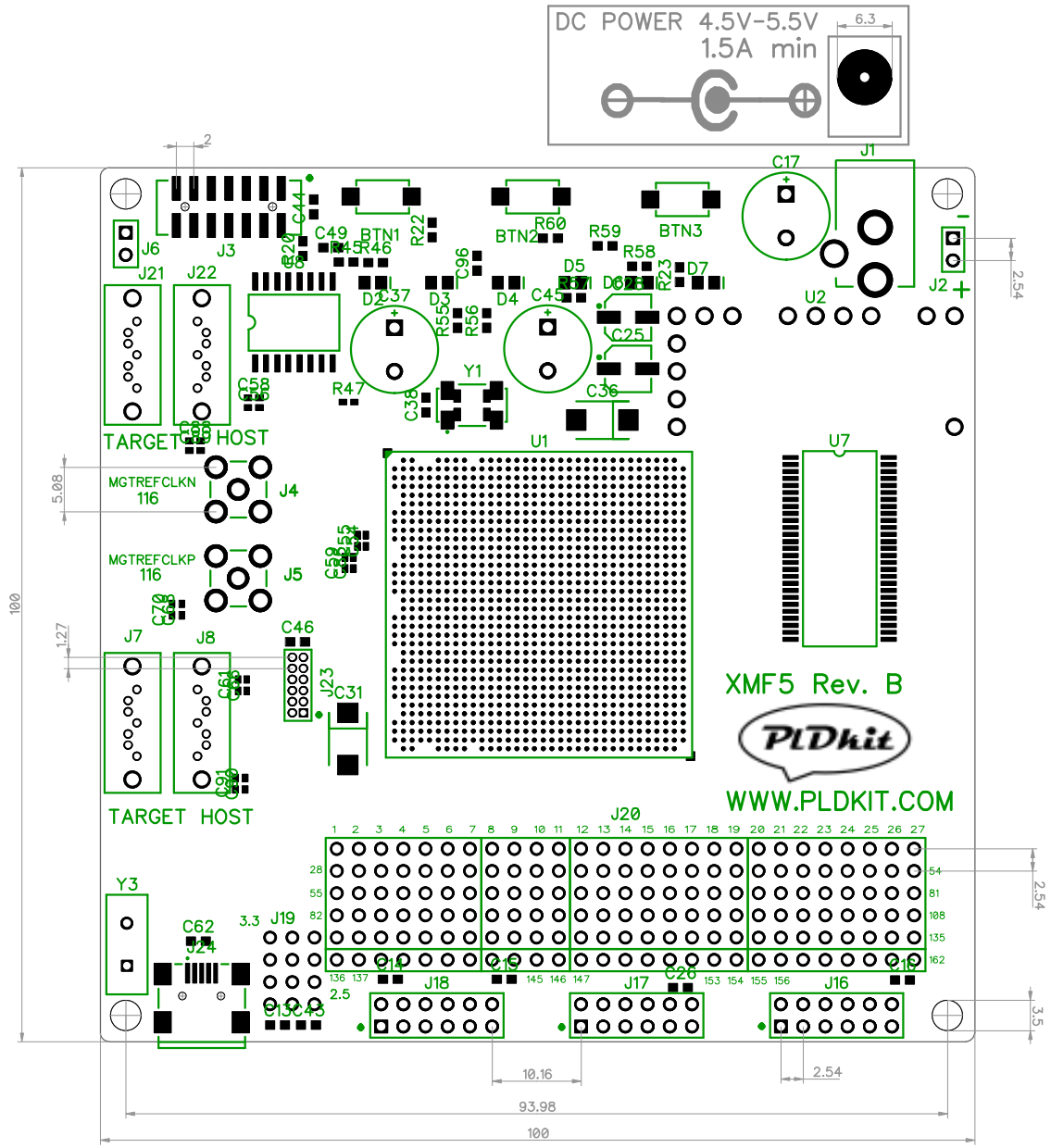
XILINX VIRTEX-5 FPGA MODULE			
MODEL: XMF5-110-64-512 50/75M	Rev. B	20.04.2015	Sheet 3/5
RAM			PLDkit OU www.pldkit.com



XILINX VIRTEX-5 FPGA MODULE			
MODEL: XMF5-110-64-512 50/75M	Rev. B	20.04.2015	Sheet 4/5
IO CONNECTORS			PLDkit OU www.pldkit.com

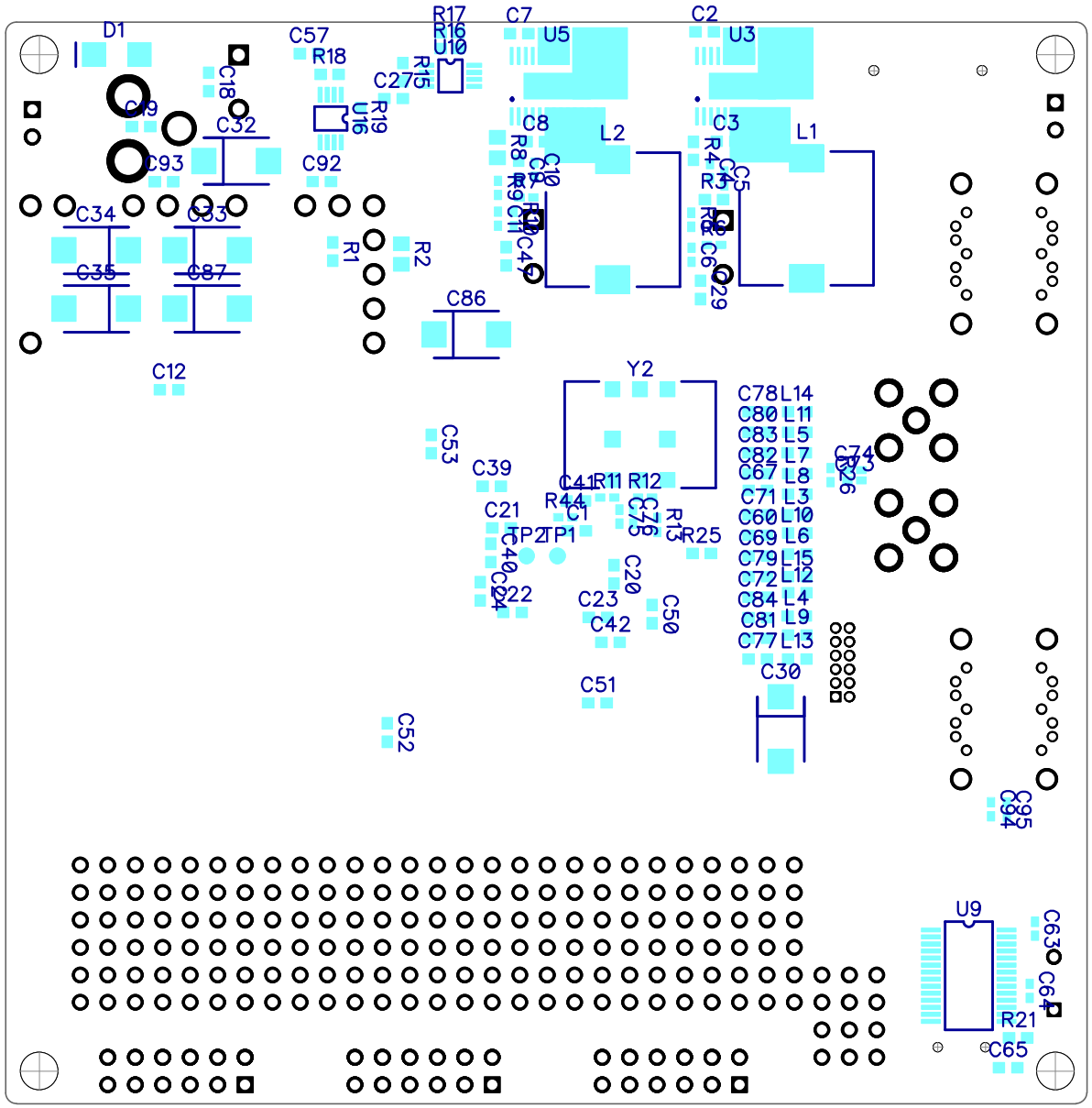


XILINX VIRTEX-5 FPGA MODULE			
MODEL: XMF5-110-64-512 50/75M	Rev. B	20.04.2015	Sheet 5/5
TRANSCEIVERS			PLDkit OU www.pldkit.com

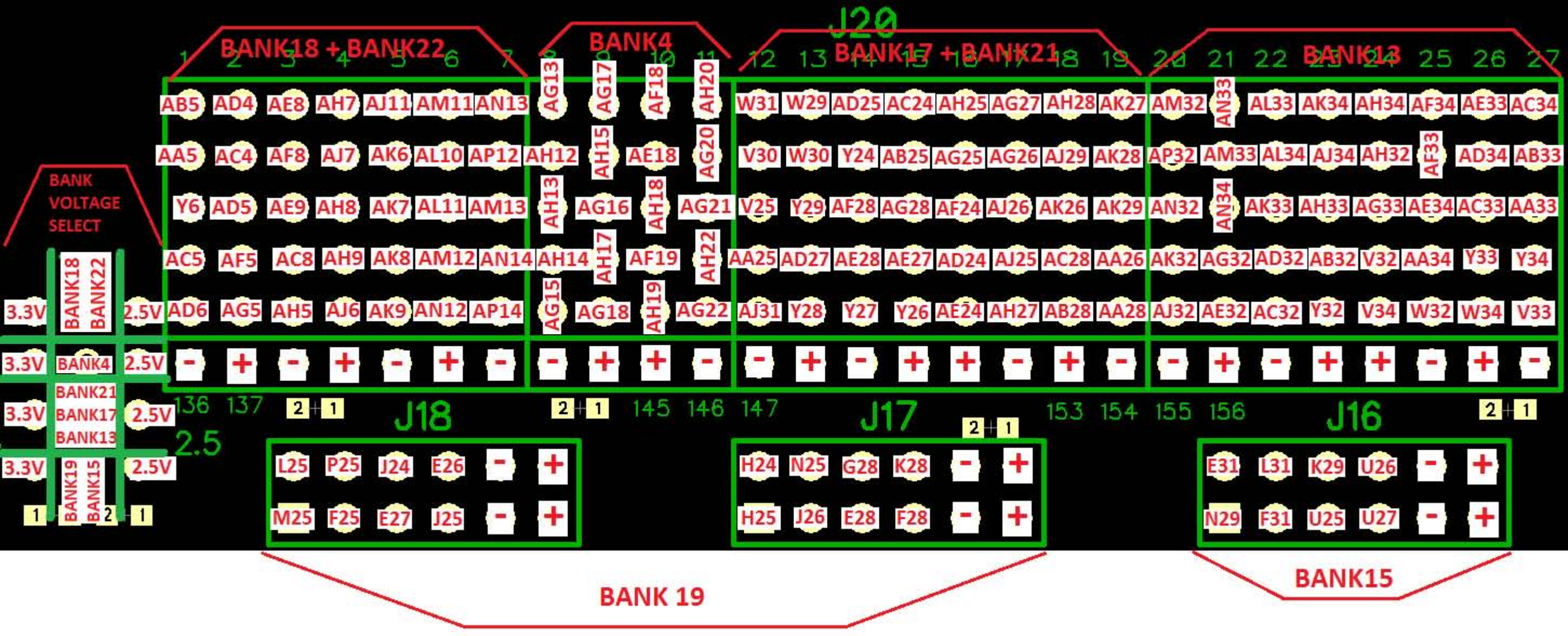


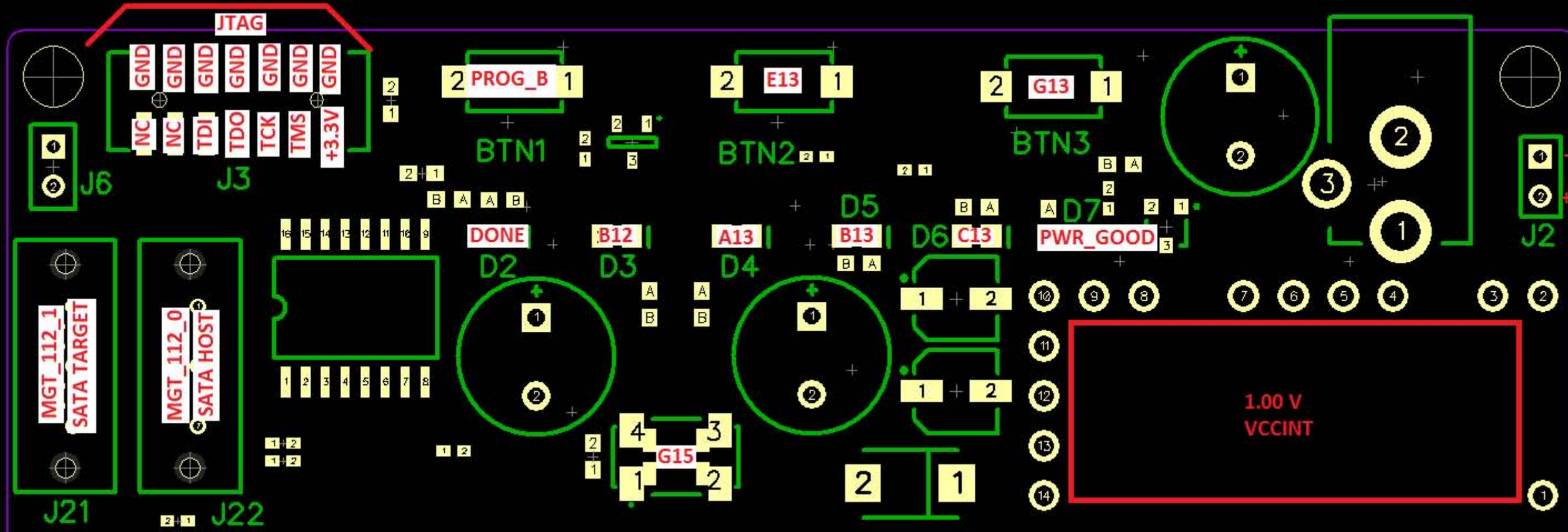
All dimensions in mm

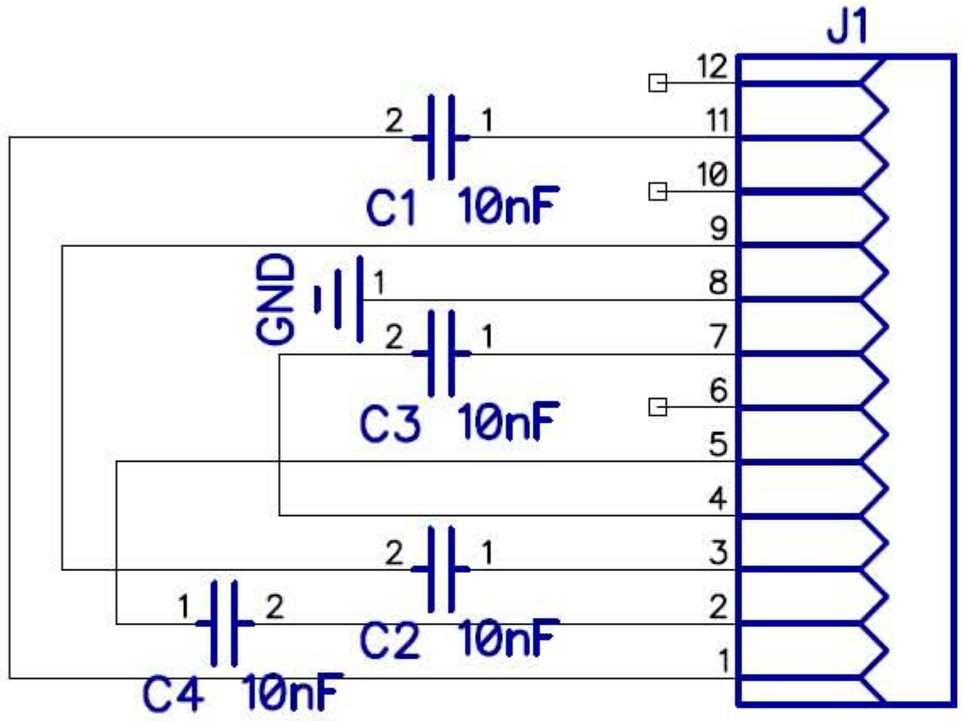
XILINX VIRTEX-5 FPGA MODULE			
MODEL: XMF5	Rev. B	04.05.2015	Sheet 1/1
PCB LAYOUT			PLDkit OU www.pldkit.com

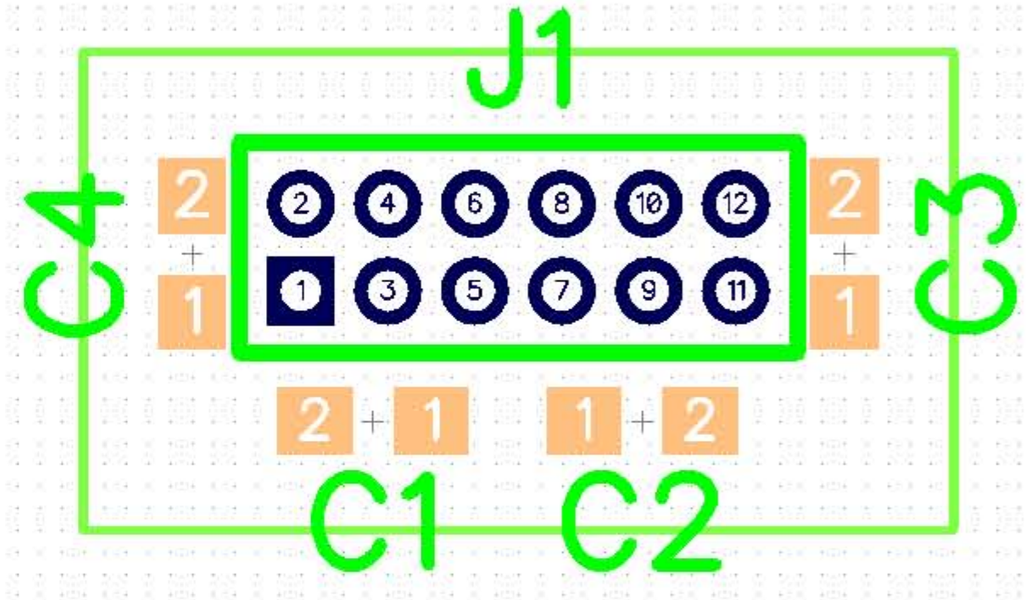


XILINX VIRTEX-5 FPGA MODULE			
MODEL: XMF5	Rev. B	19.04.2015	Sheet 1/1
PCB LAYOUT			PLDkit OU www.pldkit.com


J20
BANK18 + BANK22
BANK4
BANK17 + BANK21
BANK13
BANK VOLTAGE SELECT
3.3V
2.5V
BANK18
BANK22
BANK4
BANK21
BANK17
BANK13
BANK19
BANK15
2.5
J18
J17
J16
BANK 19
BANK15


JTAG
GND
GND
GND
GND
GND
GND
GND
NC
NC
TDI
TDO
TCK
TMS
+3.3V
J3
J6
PROG_B
BTN1
E13
BTN2
G13
BTN3
J2
MGT_112_1
SATA TARGET
MGT_112_0
SATA HOST
J21
J22
DONE
D2
B12
D3
A13
D4
D5
B13
D6
C13
D7
PWR_GOOD
G15
1.00 V
VCCINT





J23 GTP LOOP TEST JUMPER FOR XMF5				
Rev. A			10.01.2014	Sheet 1/1