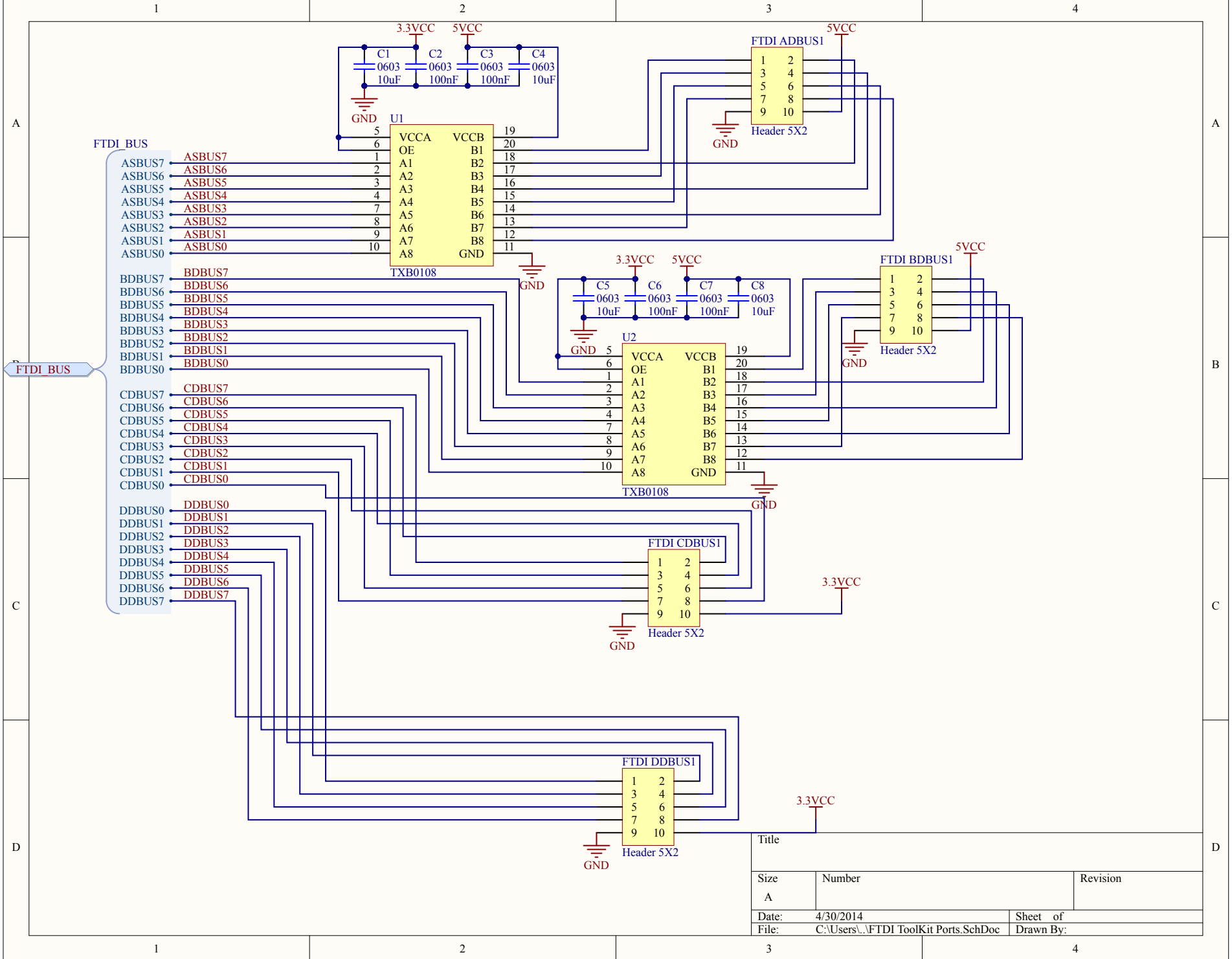


Title		
Size B	Number	Revision
Date: 4/30/2014	Sheet of	
File: C:\Users\FTDI\ToolKit\FTDI & USB Shield\Down By:		



Title		
Size	Number	Revision
A		
Date:	4/30/2014	Sheet of
File:	C:\Users\...\FTDI ToolKit Ports.SchDoc	Drawn By:

J2

12V INPUT

PWR SLCT

5V 3A

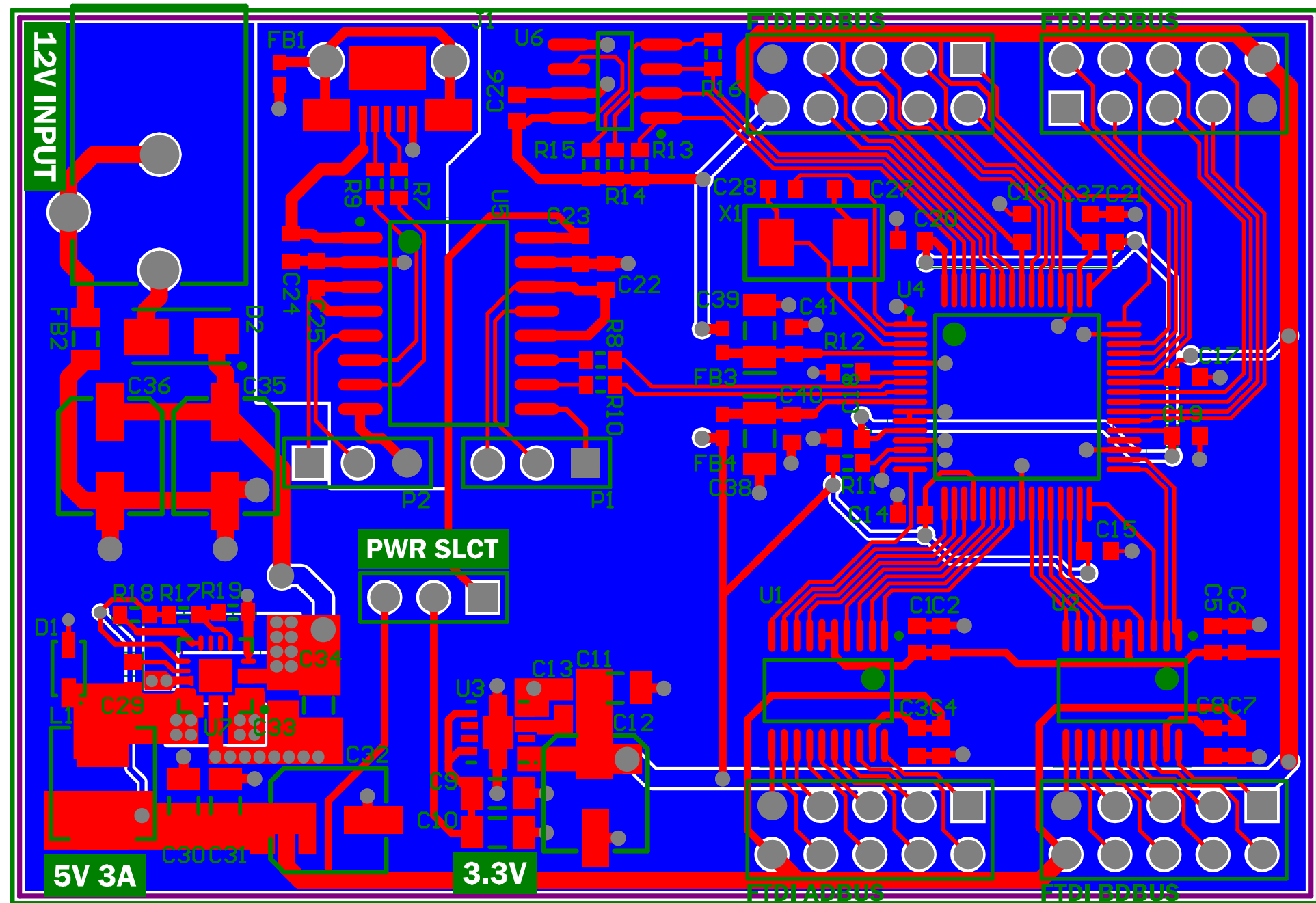
3.3V

FTDI DDBUS

FTDI CDBUS

FTDI ADBUS

FTDI BDBUS



Comment	Description	Designator	Footprint	LibRef	Quantity
0603	Capacitor (Semiconductor SIM Model)	C1, C2, C3, C4, C5, C6, C7, C8, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C33, C37, C40, C41	1608[0603]	Cap Semi	28
1206 Tantulum	Capacitor (Semiconductor SIM Model)	C9, C10, C11	C1206	Cap Semi	3
VS C	Capacitor (Semiconductor SIM Model), Capacitor (Semiconductor SIM Model), Polarized Capacitor (Surface Mount), Polarized Capacitor (Surface Mount)	C12, C32, C35, C36	Panasonic VS C	Cap Semi, Cap Semi, Cap Pol3, Cap Pol3	4
Cap Semi	Capacitor (Semiconductor SIM Model)	C29	1608[0603]	Cap Semi	1
1206	Capacitor (Semiconductor SIM Model)	C30, C34	C1206	Cap Semi	2
Cap Semi	Capacitor (Semiconductor SIM Model)	C31	C1206	Cap Semi	1
1206	Polarized Capacitor (Surface Mount)	C38, C39	C1206POL	Cap Pol3	2
PMEG1030EH_EJ	Default Diode	D1	PMEG1030EH_EJ	Diode	1
PMEG4050EP	Default Diode	D2	PMEG4050EP	Diode	1
BLM18PG121SN1D		FB1, FB3, FB4	BLM18PG121SN1D	BLM18PG121SN1D	3
MI0805L301R-10	Inductor	FB2	SM 0805 - gap trimmed	Inductor	1
Header 5X2	Header, 5-Pin, Dual row	FTDI ADBUS1, FTDI BDBUS1, FTDI CDBUS1, FTDI DDBUS1	HDR2X5	Header 5X2	4
DX4R005J91R5100	Micro USB Jack B	J1	Micro USB Circular Holes Only	Micro USB	1
Center-positive 2.1 mm power jack	Power jack	J2	PJ-102AH	PWR2.5	1
Inductor	Inductor	L1	CIP0530LR3R3	Inductor	1
Header 3	Header, 3-Pin	P1, P2, PWR SLCT	HDR1X3	Header 3	3
0603	Resistor	R7, R8, R9, R10, R11, R12, R13, R14, R15, R16	J1-0603	Res3	10
Res3	Resistor	R17, R18, R19	J1-0603	Res3	3
TXB0108	Ti TXB0108 Bidirectional Level Translator	U1, U2	TXB0108	TXB0108	2
TPS73733QDRBRQ1	Single Output Automotive LDO, 1 A, Fixed 3.3 V Output, 2.2 to 5.5 V Input, with Reverse Current Protection, 8-pin SON (DRB), -40 to 125 degC, Green (RoHS & no Sb/Br)	U3	TI-DRB8-1750X1500TP_V	TPS73733QDRBRQ1	1
FT4232HL-Reel	Quad High Speed USB To Multipurpose UART/MPSS IC, 64-pin LQFP, Tape and Reel	U4	LQFP-64_N	FT4232HL-Reel	1
ADuM4160	USB Opto Isolator	U5	ADuM4160	ADuM4160	1
AT93C46		U6	SOIC127P600X175-8N	AT93C46	1
MIC24085		U7	MIC24085-AYML	MIC24085	1
12MHZ	Crystal Oscillator	X1	445C35A12M00000	XTAL	1