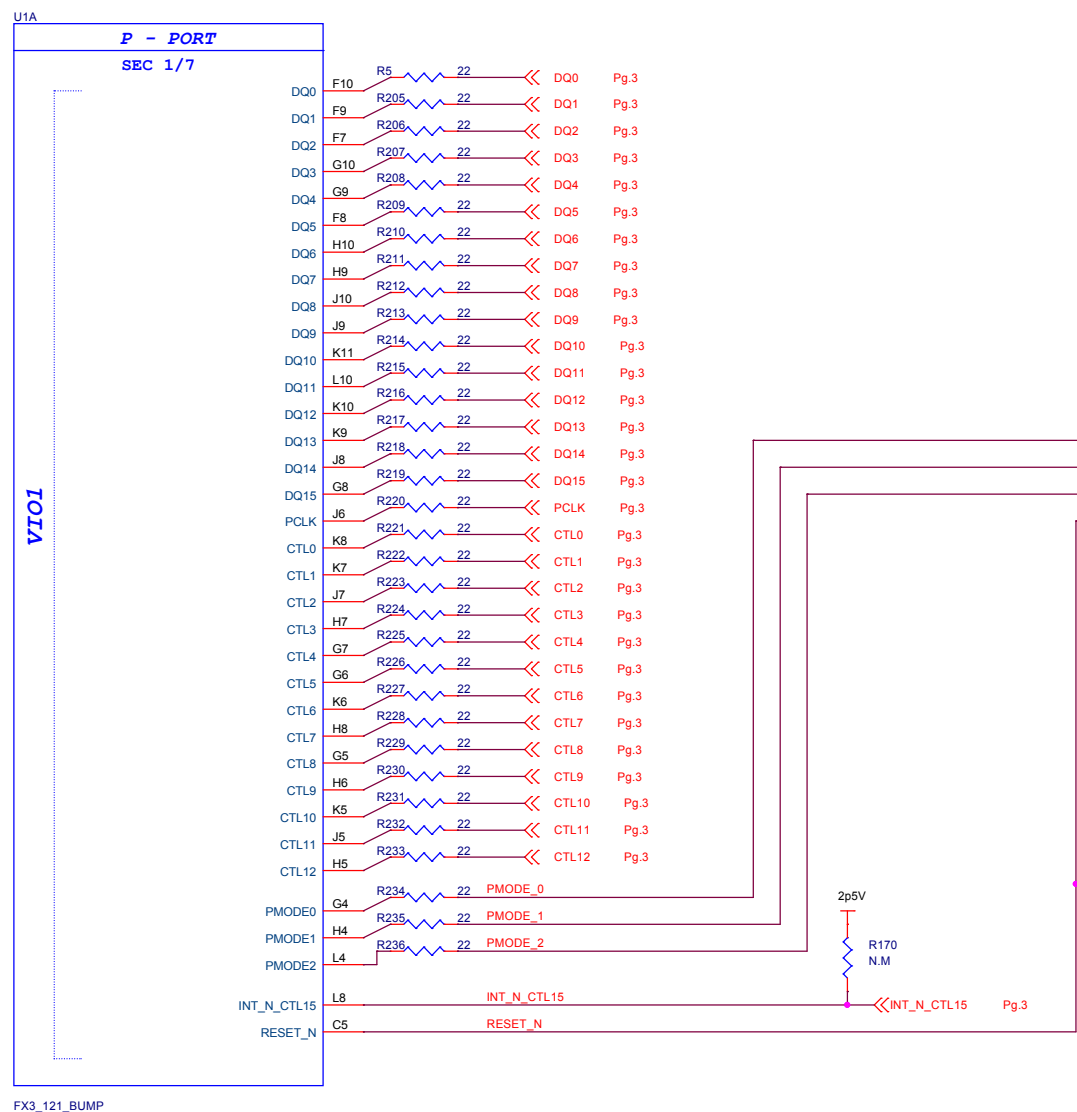


USB 3.0 Interface Card SV

PAGE	DESCRIPTION
01	TOP
02	P-PORT CONNECTIONS
03	HSMC CONNECTIONS
04	S0/S1 PORT CONNECTIONS
05	S1 TO UART/I2C EEPROM
06	CLOCK SIGNALS
07	JTAG CONNECTIONS
08	USB CONNECTIONS
09	FX3 POWER
10	12V INPUT / 3.3V - 2.5V - 1.2V REG
11	POWER LED'S

P-PORT CONNECTIONS



Pmode Selections

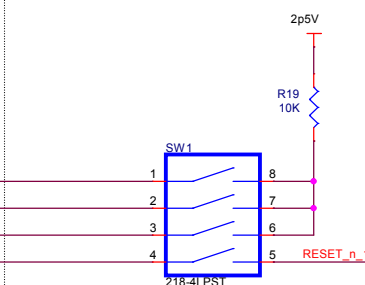
Table 2. FX3 Booting Options

PMode[2:0]	Boot From
F11	USB boot
1FF	I ² C only

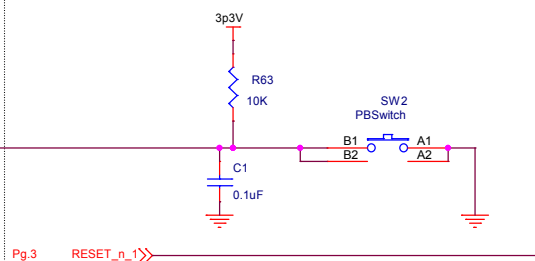
SW1

```
1-8 / ON=1 , OFF=Floating
2-7 / ON=1 , OFF=Floating
3-6 / ON=1 , OFF=Floating
```

4-5 / ON=with FPGA Reset
OFF=without FPGA Reset



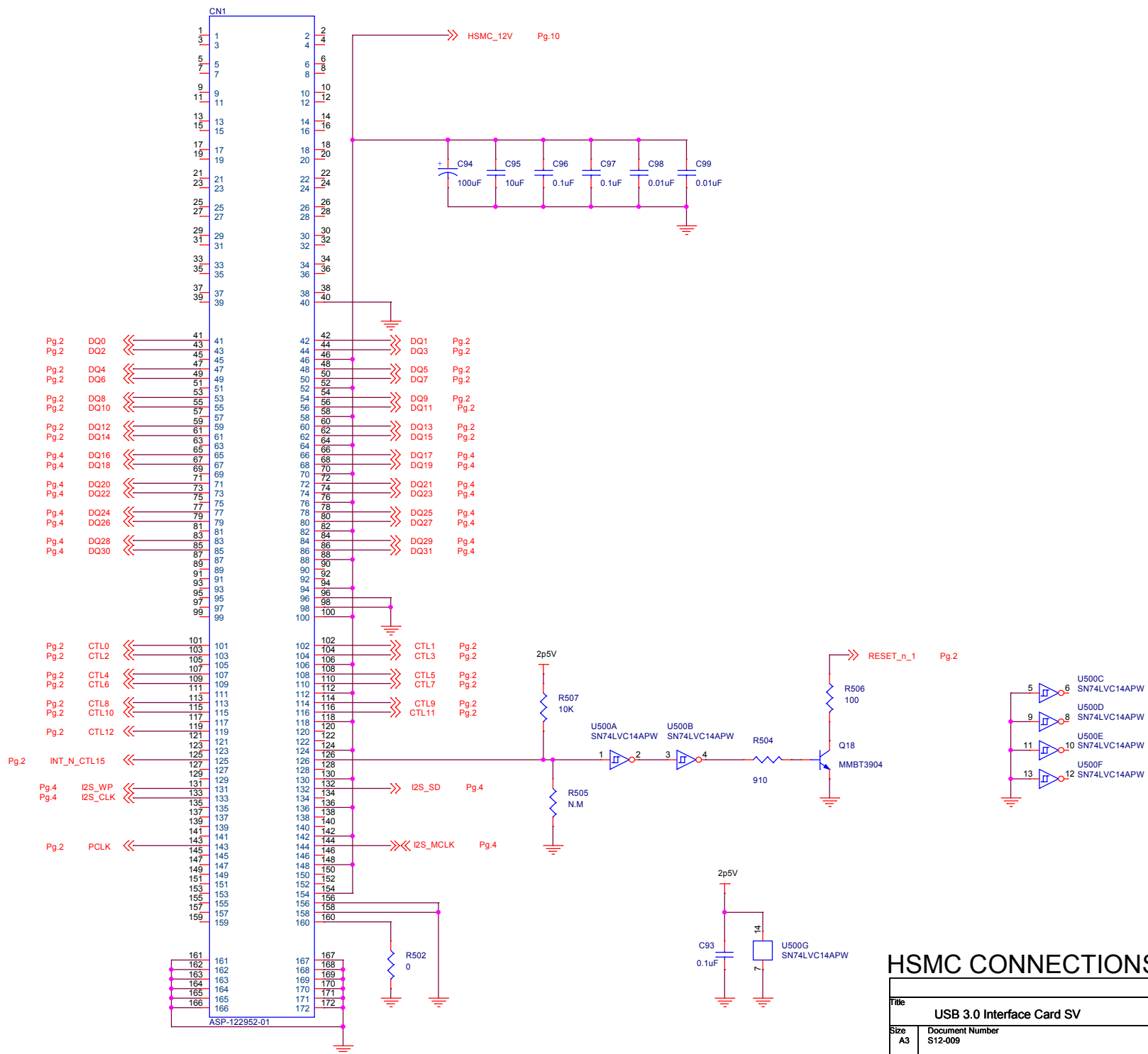
RESET CONNECTION



P-PORT CONNECTIONS

Title			
USB 3.0 Interface Card SV			
Size A3	Document Number S12-009		Rev A
Date:	2012/12/12		Sheet 2 of 11

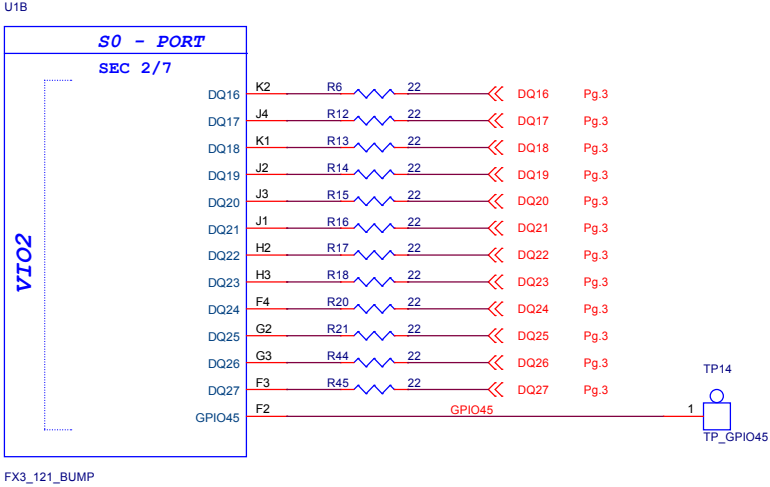
HSMC



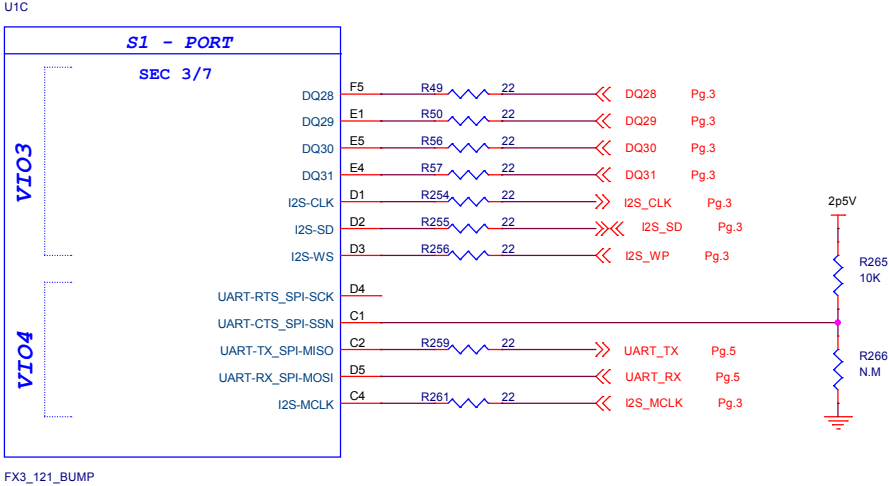
HSMC CONNECTIONS

Title		
USB 3.0 Interface Card SV		
Size	Document Number	Rev
A3	S12-009	A
Date:	2012/12/12	Sheet 3 of 11

S0-PORT CONNECTIONS



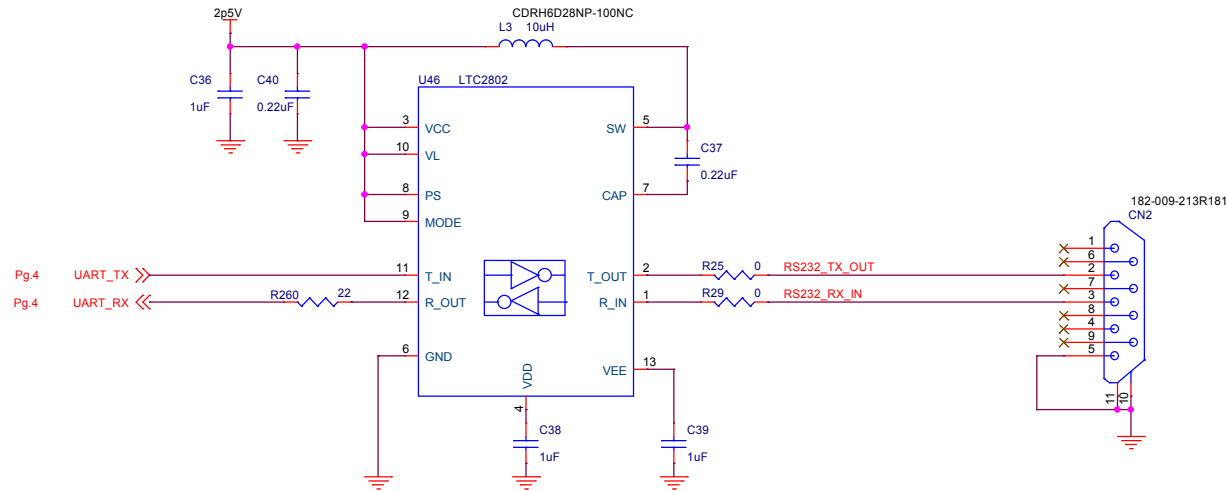
S1-PORT CONNECTIONS



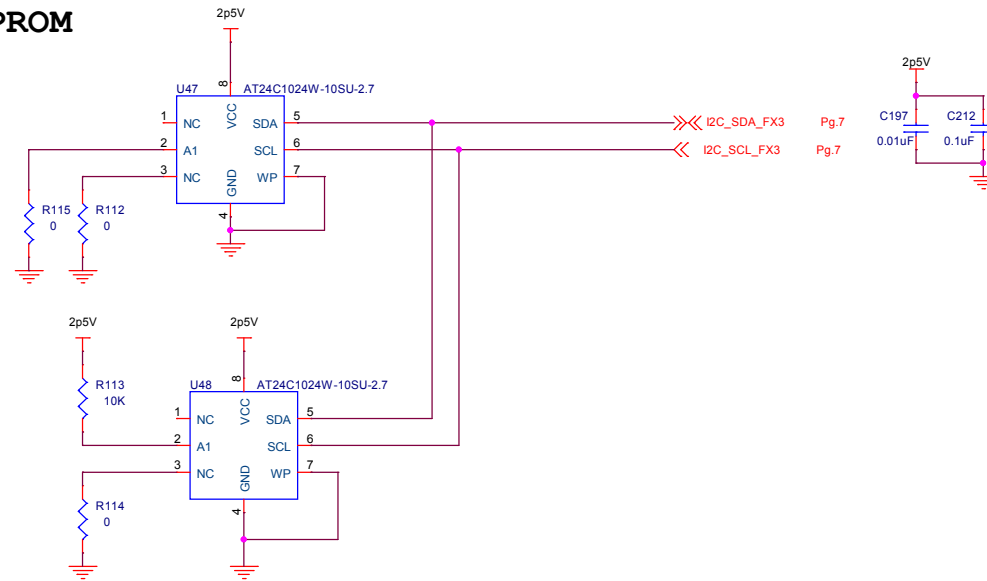
S0/S1 PORT CONNECTIONS

Title		
USB 3.0 Interface Card SV		
Size	Document Number	Rev
A3	S12-009	A
Date:	2012/12/12	Sheet 4 of 11

S1 UART CONNECTIONS



I2C EEPROM



S1 TO UART/I2C EEPROM

Title		
USB 3.0 Interface Card SV		
Size	Document Number	Rev
A3	S12-009	A
Date:	2012/12/12	Sheet 5 of 11

FSLC [2..0]

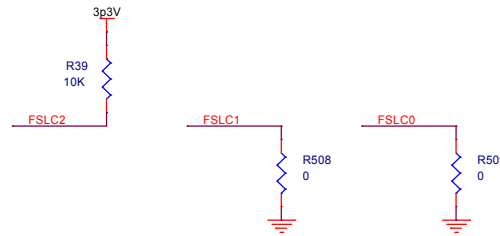
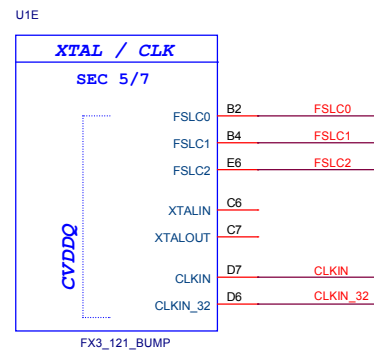


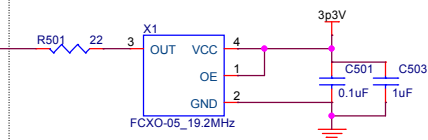
Table 3. Crystal/Clock Frequency Selection

FSLC[2]	FSLC[1]	FSLC[0]	Crystal/Clock Frequency
1	0	0	19.2 MHz input CLK

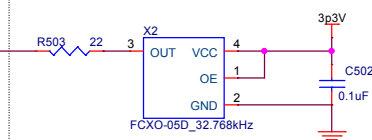
CLOCK SIGNALS



CLOCK IN_19.2MHz



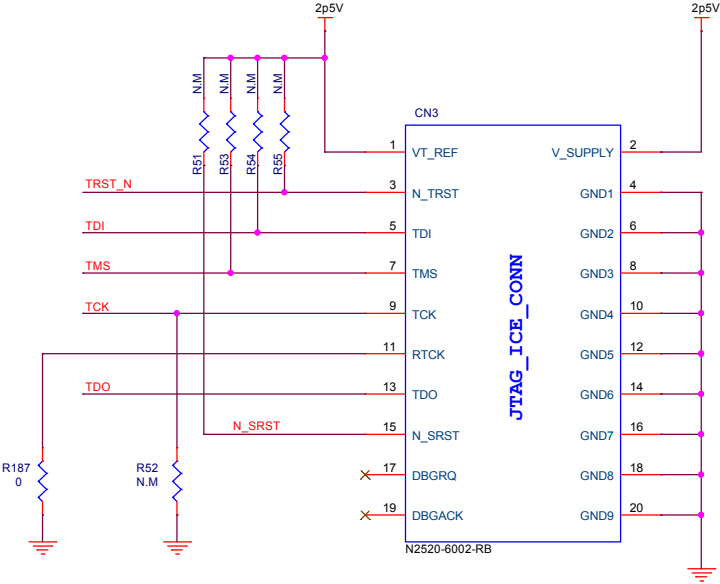
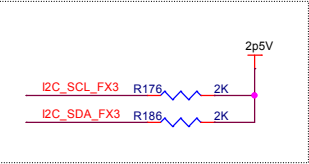
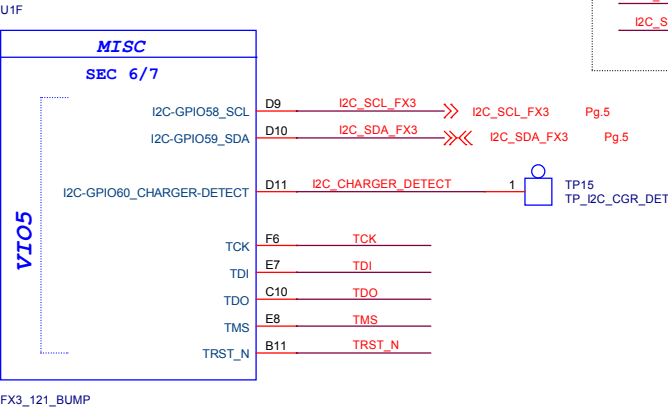
CLOCK IN_32.768kHz



CLOCK SIGNALS

Title			USB 3.0 Interface Card SV
Size	Document Number	Rev	
A3	S12-009	A	
Date:	2017/1/12	Sheet	6 of 11

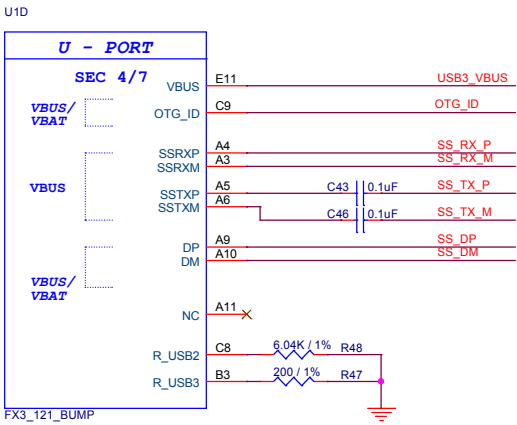
JTAG CONNECTIONS



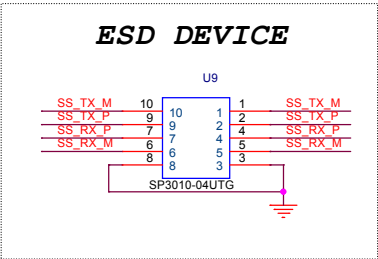
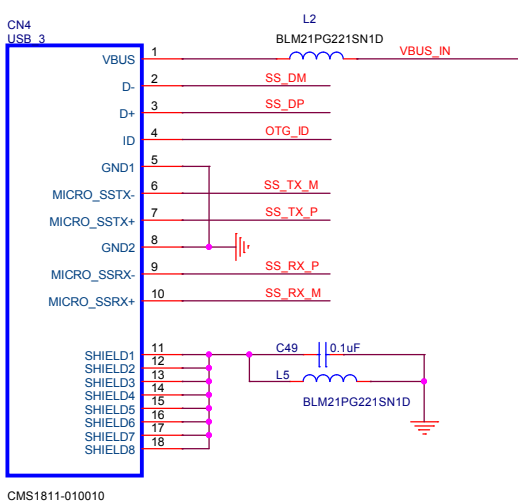
JTAG CONNECTIONS

Title		
USB 3.0 Interface Card SV		
Size	Document Number	Rev
A3	S12-009	A
Date:	2012/12/12	Sheet 7 of 11

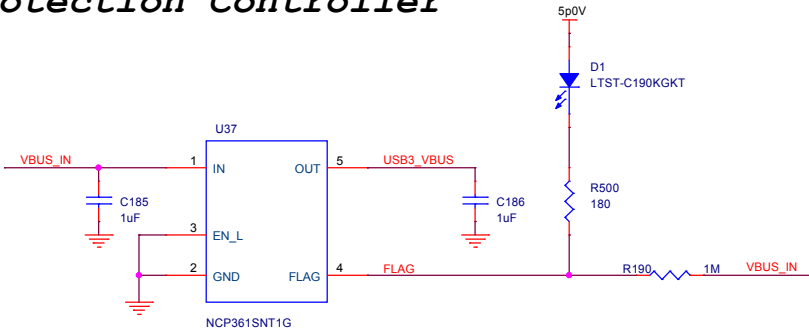
USB CONNECTIONS



USB3.0 MICRO -TYPE B



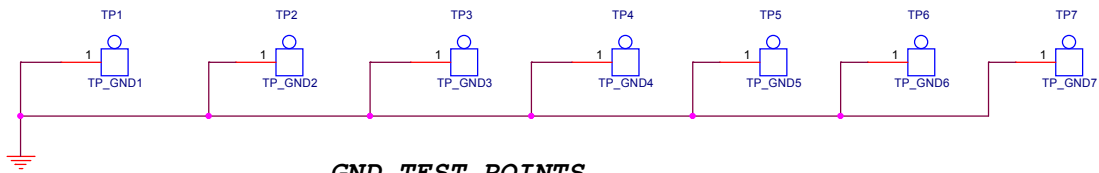
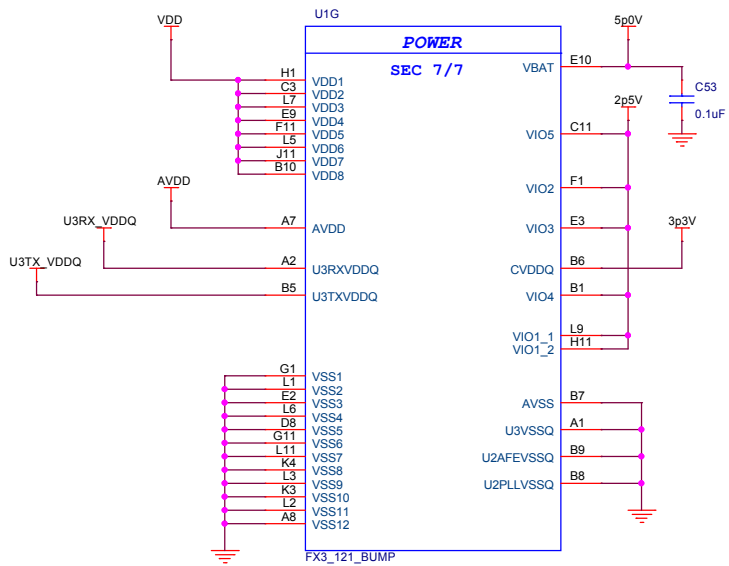
USB Positive Overvoltage Protection Controller



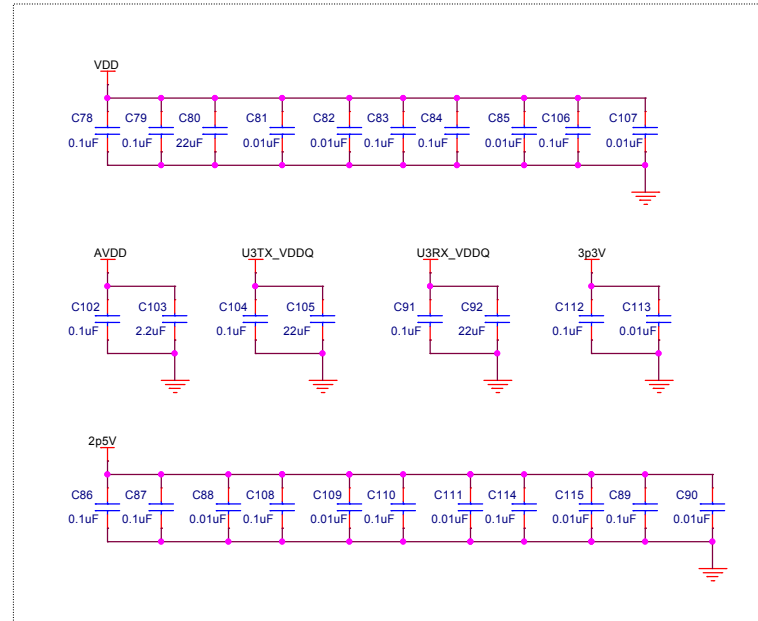
USB CONNECTIONS

Title		
USB 3.0 Interface Card SV		
Size	Document Number	Rev
A3	S12-009	A
Date:	2012/12/12	Sheet 8 of 11

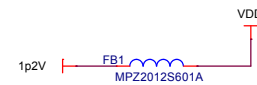
FX3 POWER & DECOUPLING



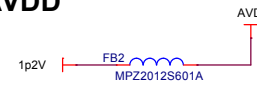
GND TEST POINTS



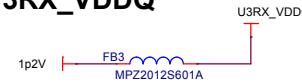
VDD,SRAM_VDD,EFVDDQ



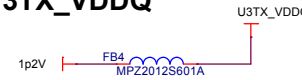
AVDD



U3RX_VDDQ



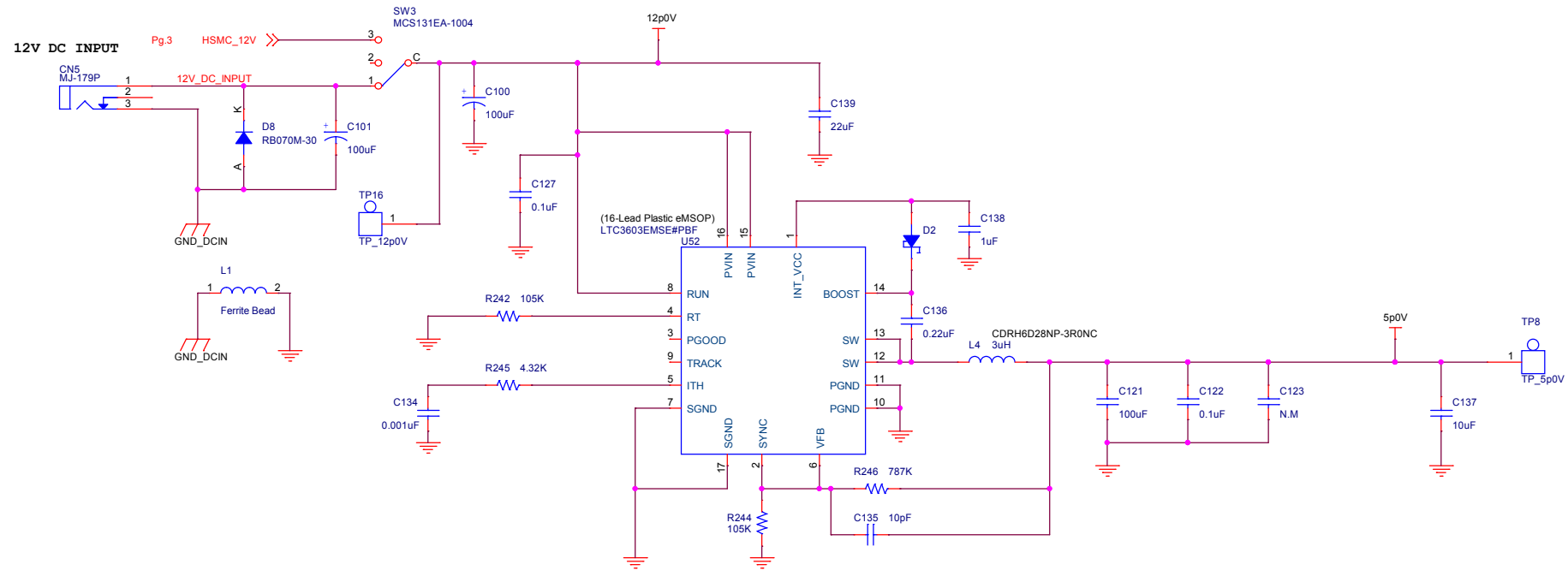
U3TX_VDDQ



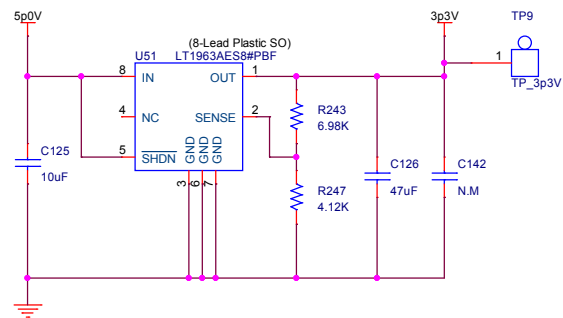
FX3 POWER

Title			
USB 3.0 Interface Card SV			
Size A3	Document Number S12-009		Rev A
Date:	2012/12/12	Sheet	9 of 11

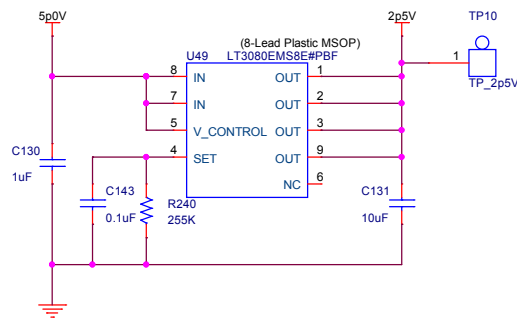
12V - DC INPUT POWER



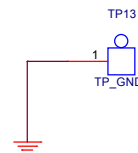
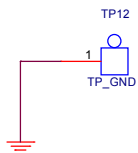
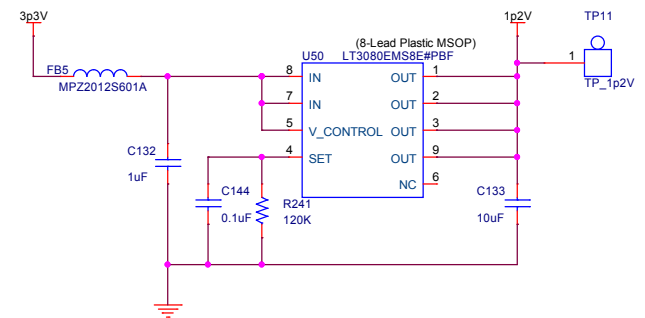
3.3V 1.5A REGULATOR



2.5V 1A REGULATOR

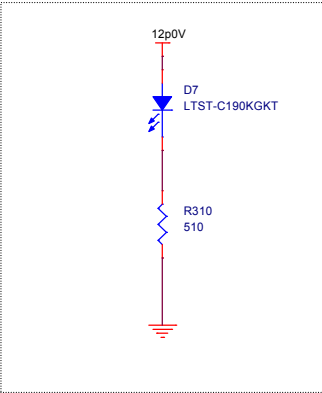
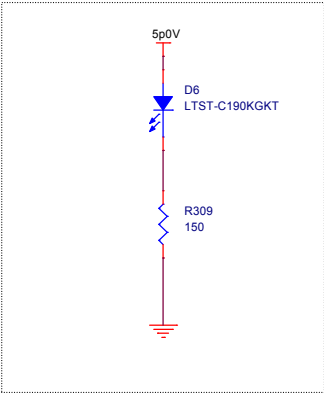
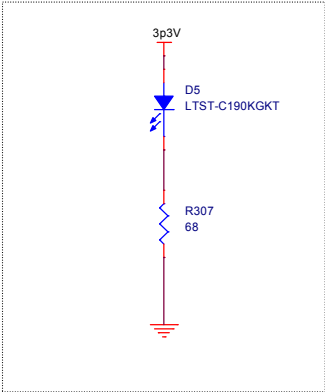
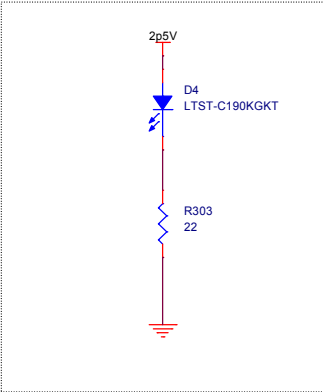
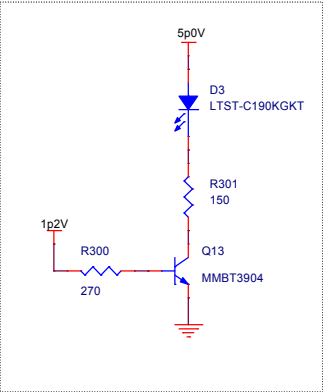


1.2V 1A REGULATOR



12V INPUT / 3.3V - 2.5V - 1.2V REG

Title		
USB 3.0 Interface Card SV		
Size	Document Number	Rev
A3	S12-009	A
Date:	2012/12/12	Sheet 10 of 11



POWER LED'S

Title			USB 3.0 Interface Card SV	
Size	Document Number		Rev	
A3	S12-009		A	
Date:	2012/12/12	Sheet	11	of 11