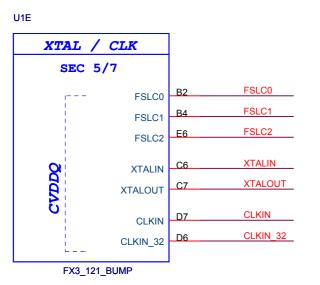
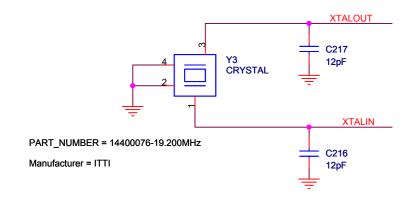
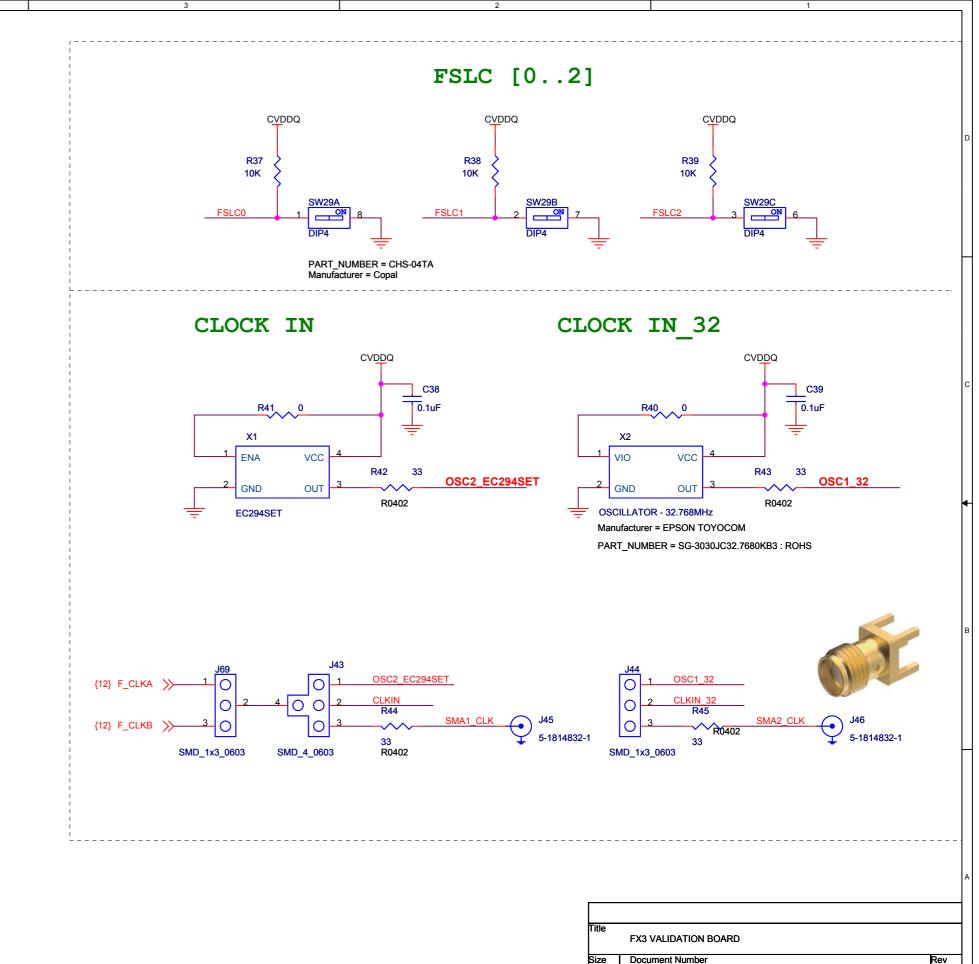


#### CLOCK SIGNALS



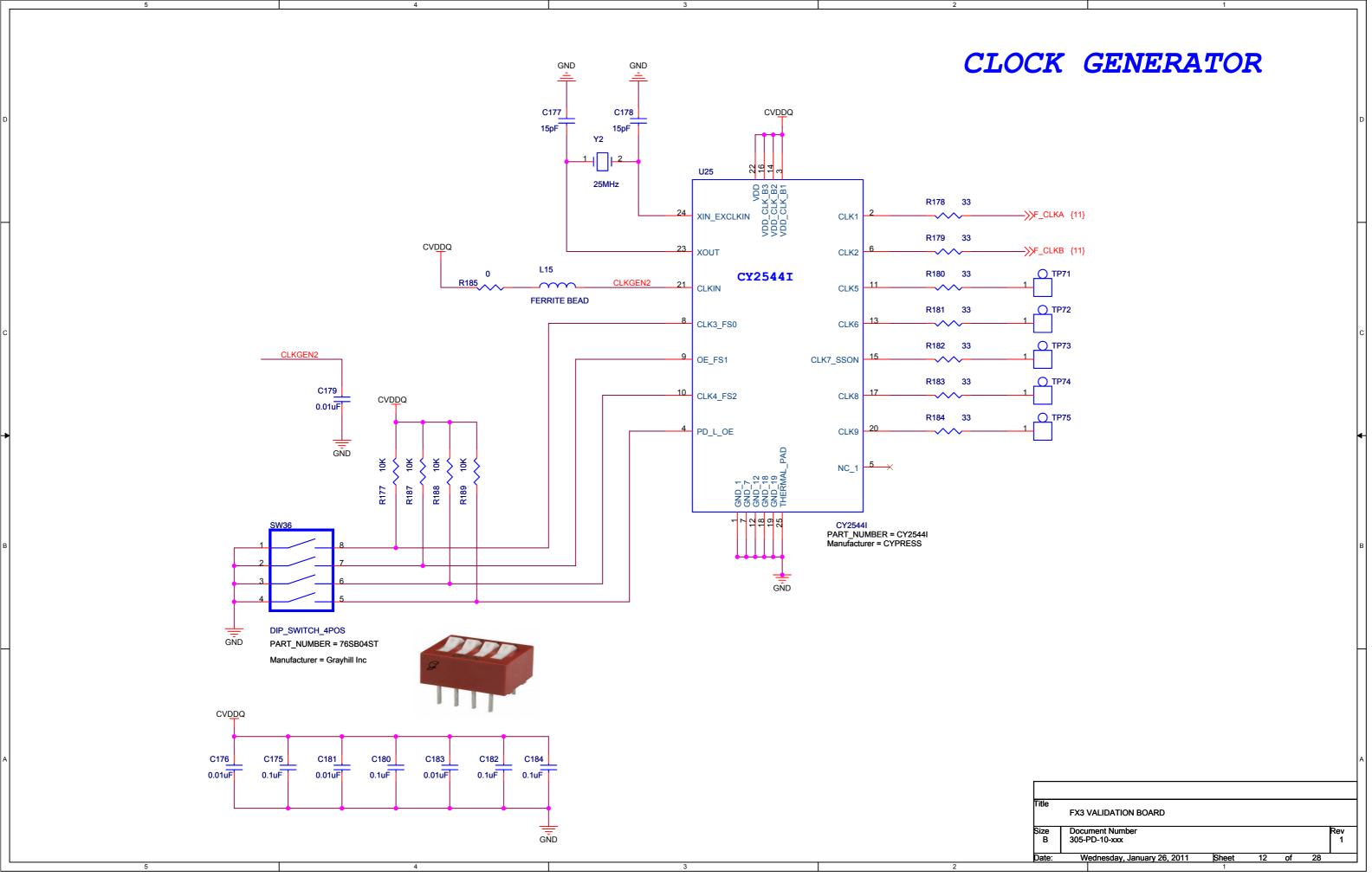
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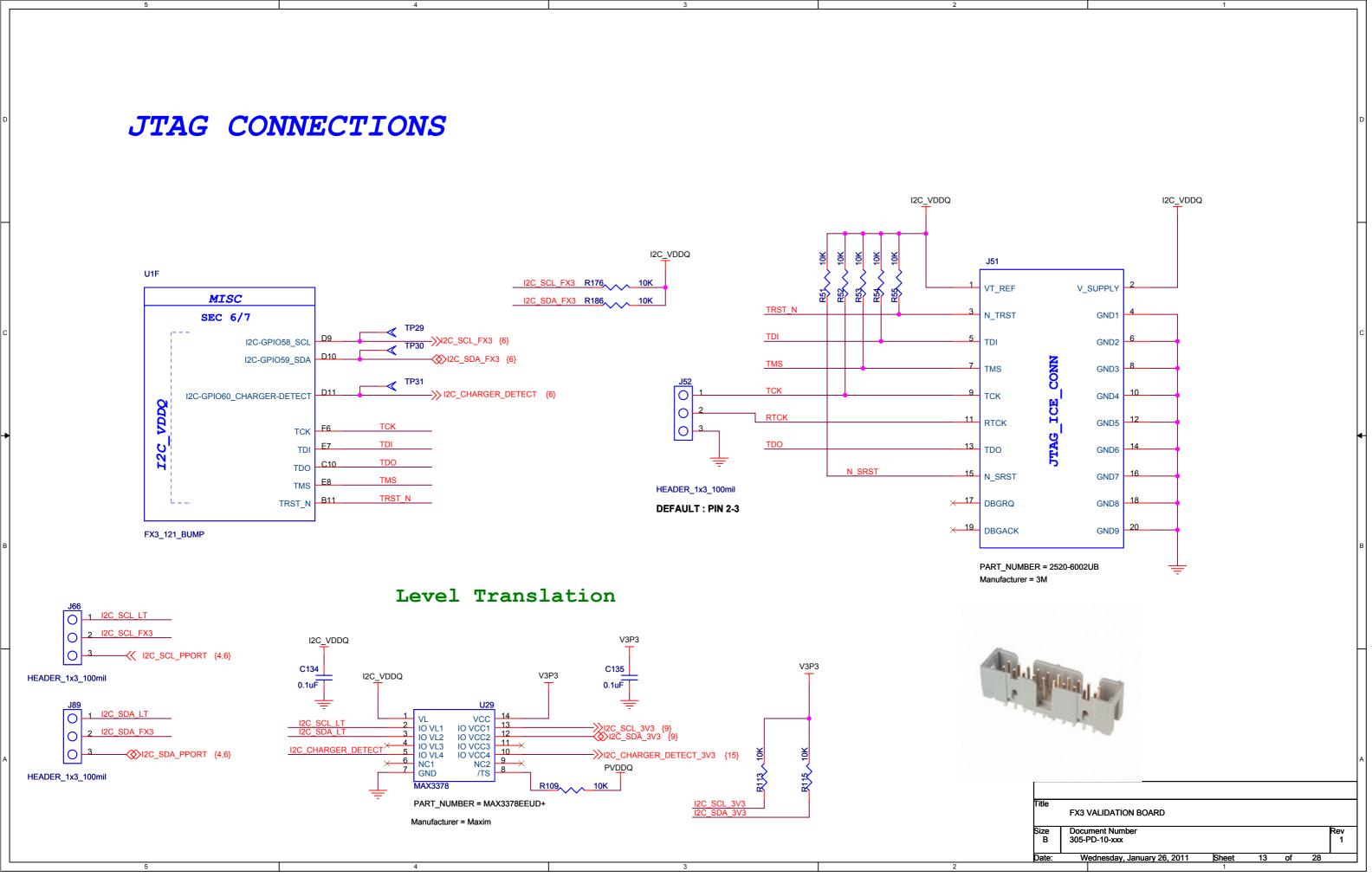




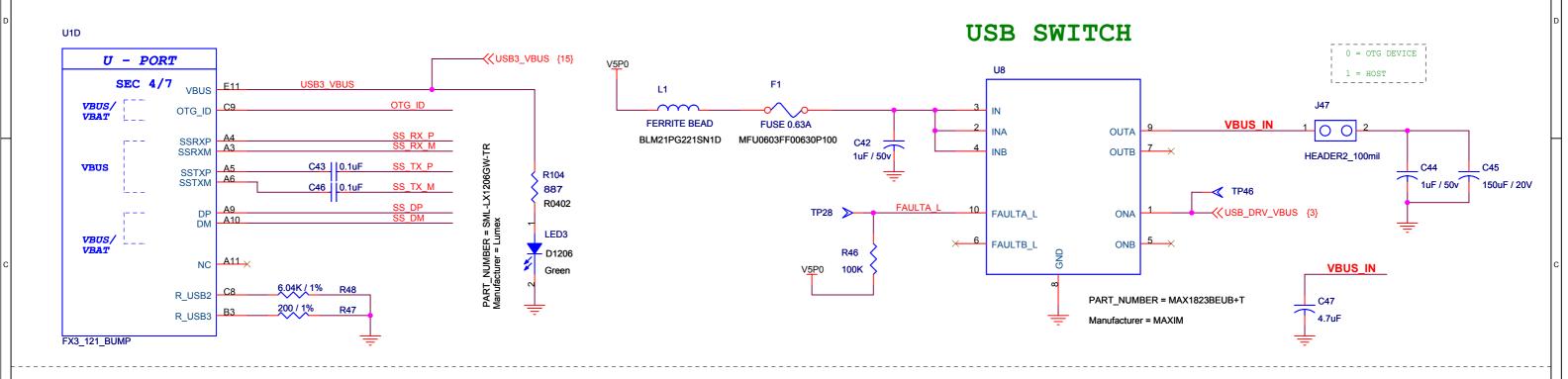
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# USB CONNECTIONS

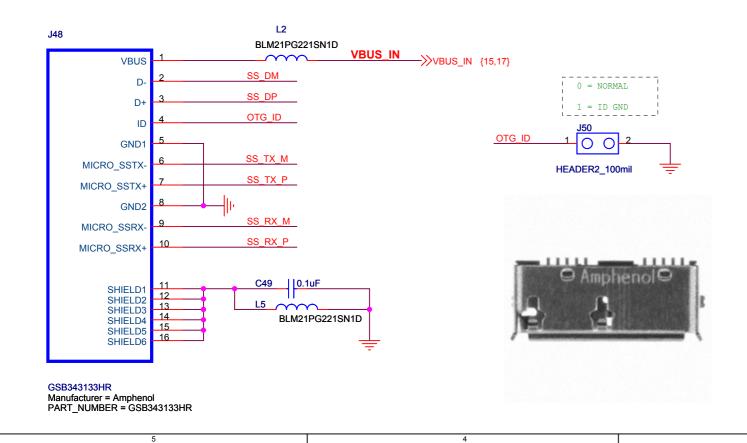


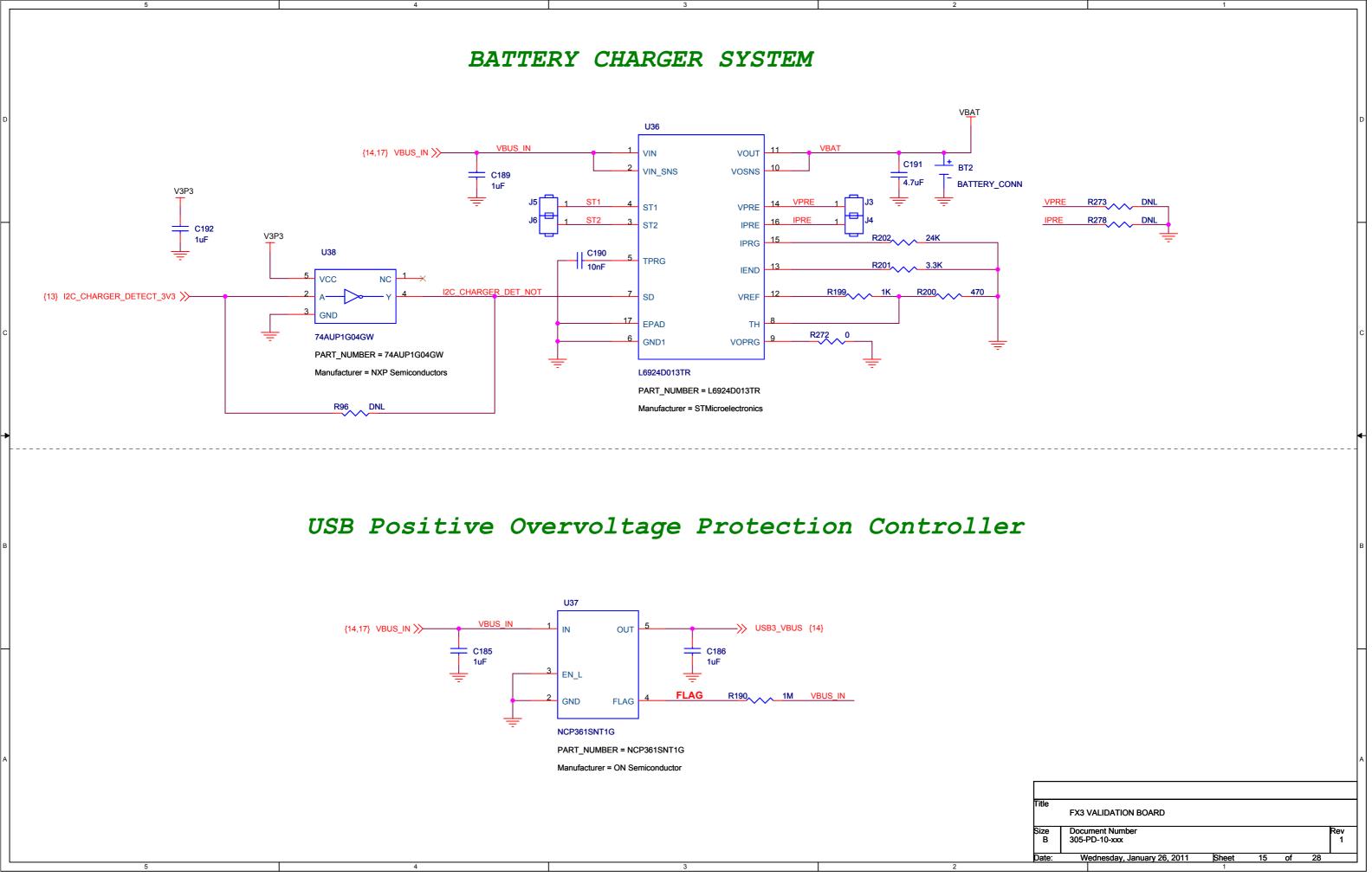
**FX3 VALIDATION BOARD** 

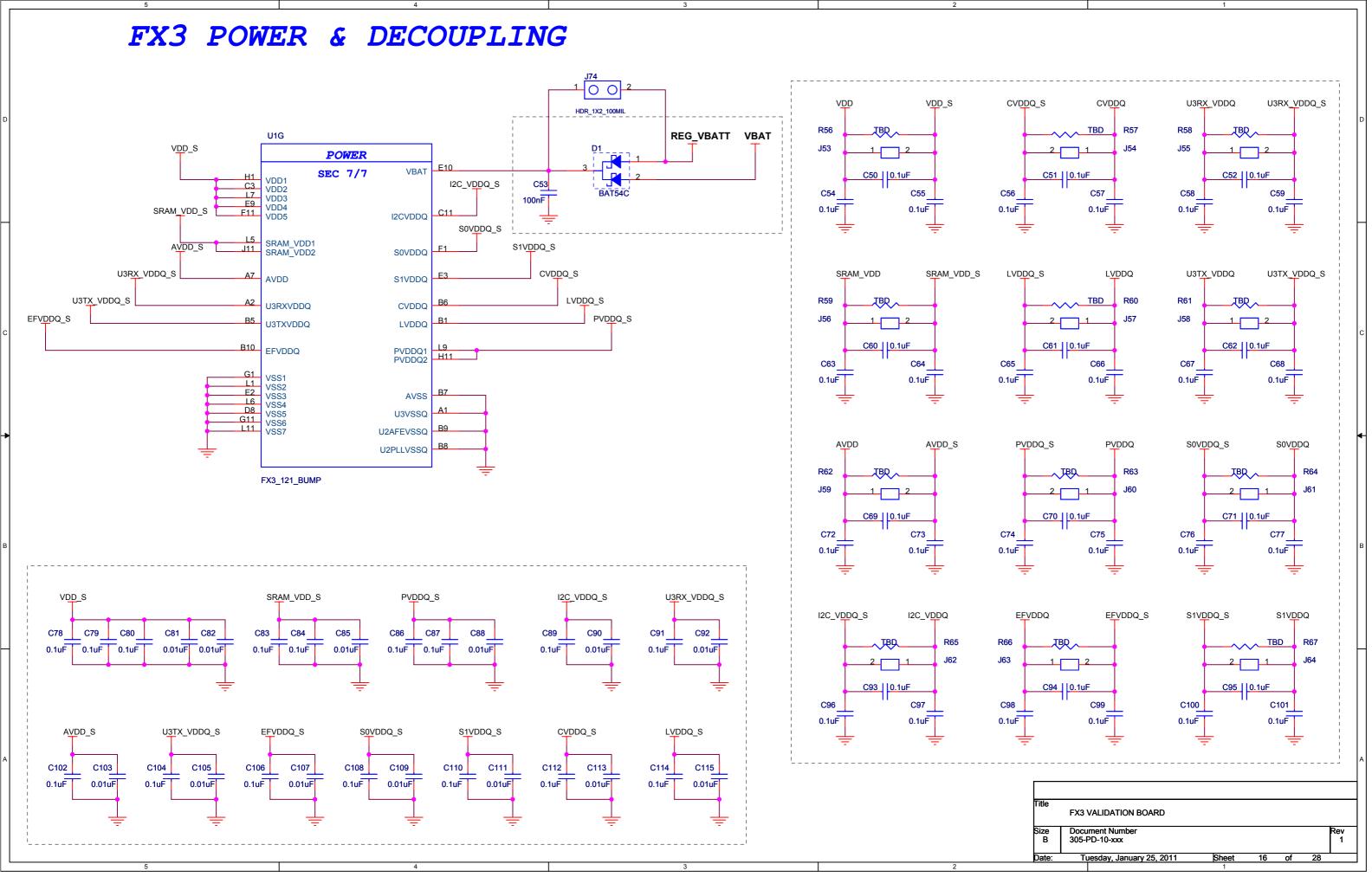
Wednesday, January 26, 2011

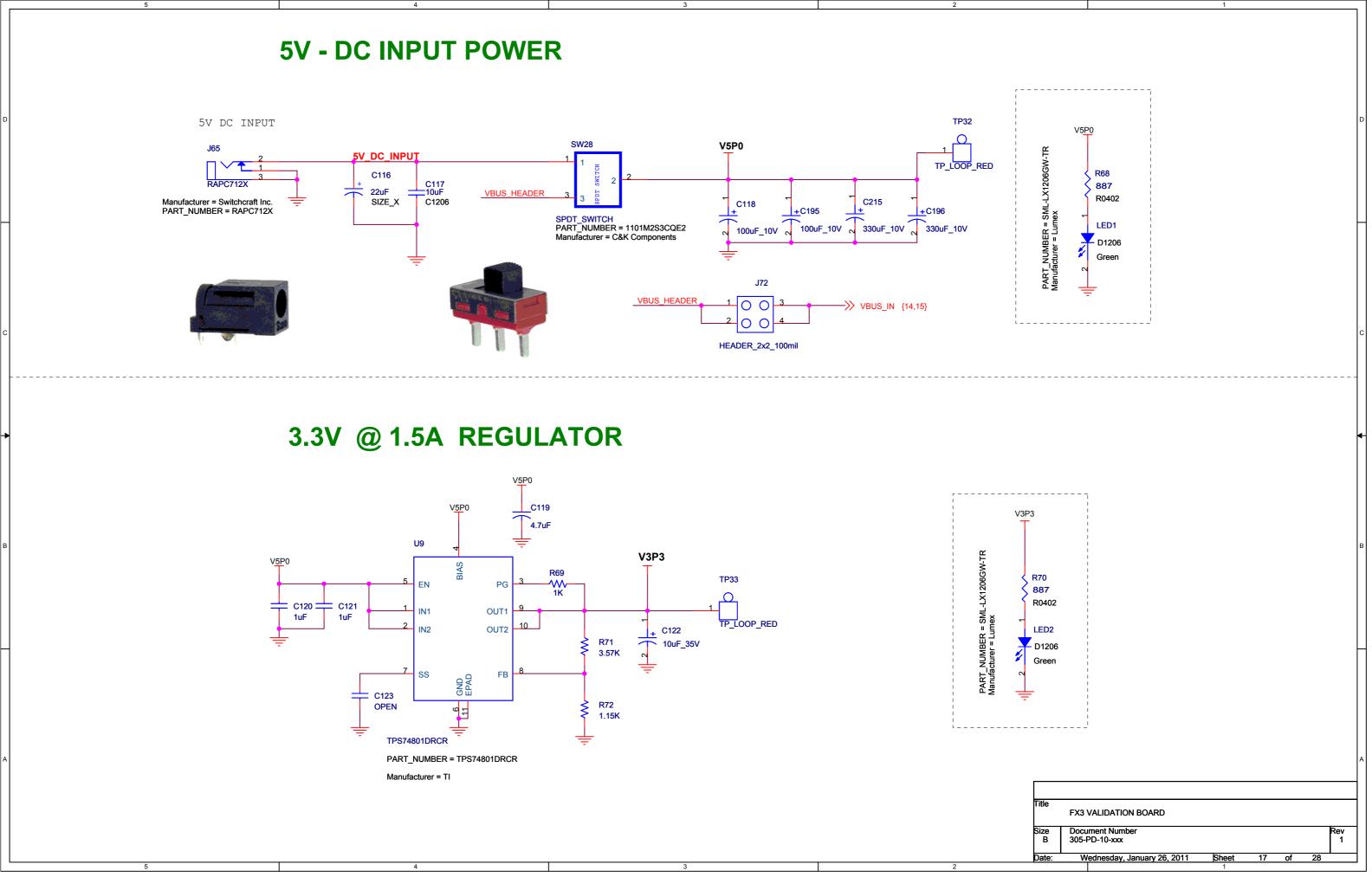
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#### USB3.0 MICRO -TYPE B

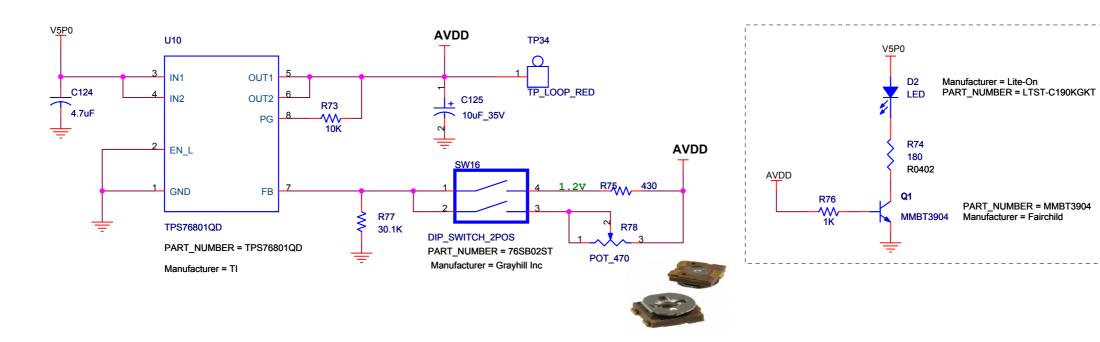




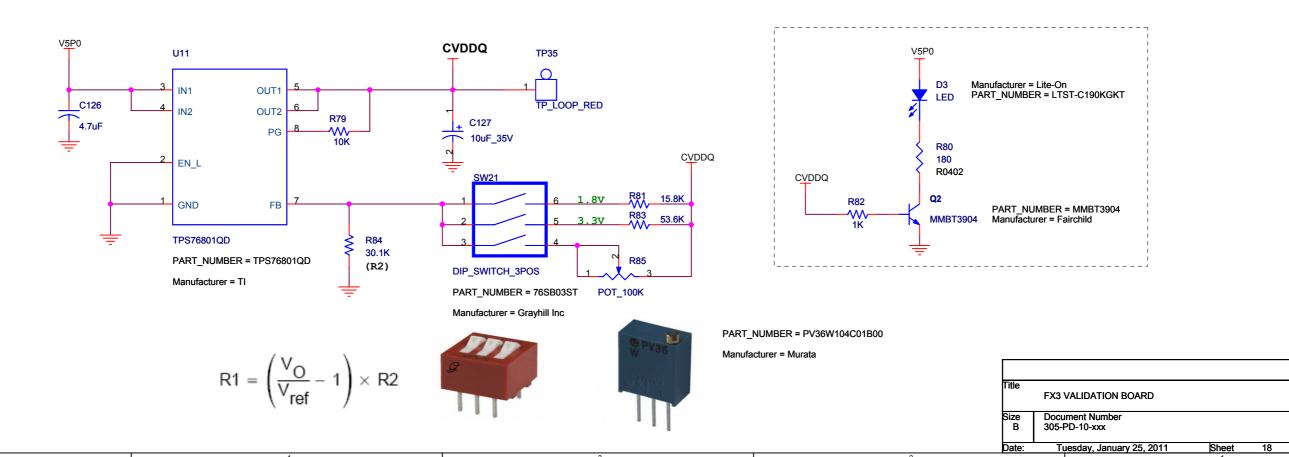




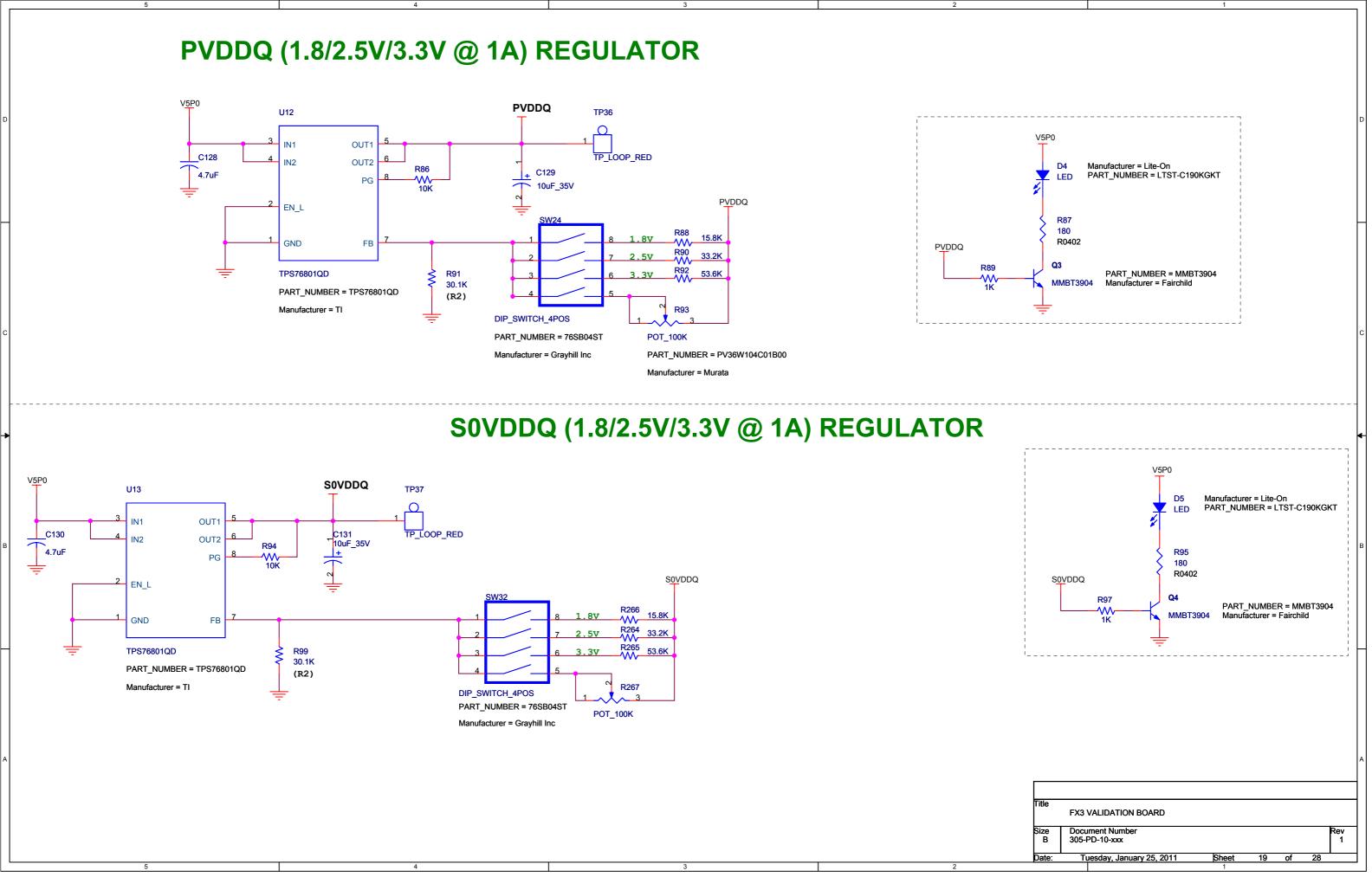
## **AVDD (1.2V @ 1A) REGULATOR**



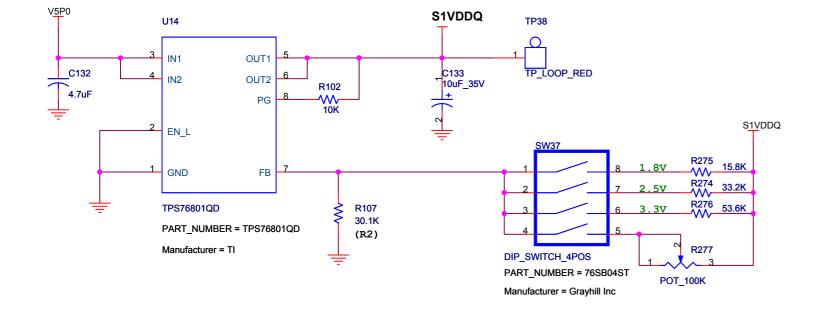
#### CVDDQ (1.8/3.3V @ 1A) REGULATOR

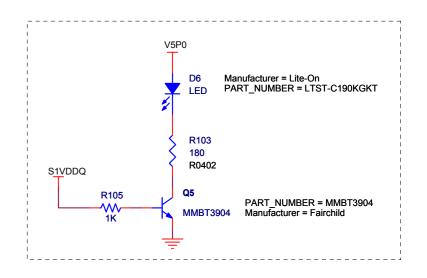


PART\_NUMBER = MMBT3904



#### **S1VDDQ (1.8/2.5V/3.3V @ 1A) REGULATOR**





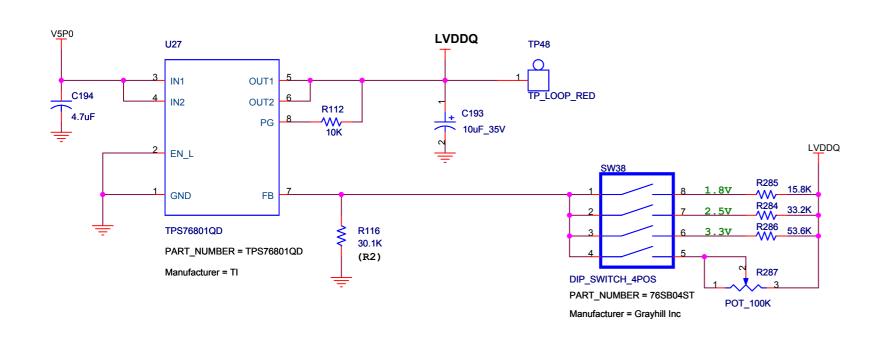
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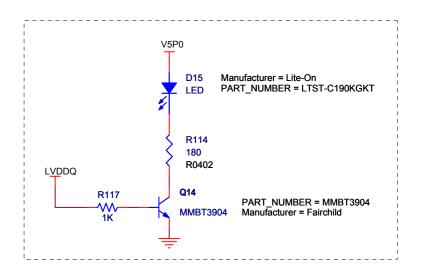
FX3 VALIDATION BOARD

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## LVDDQ (1.8/2.5V/3.3V @ 1A) REGULATOR





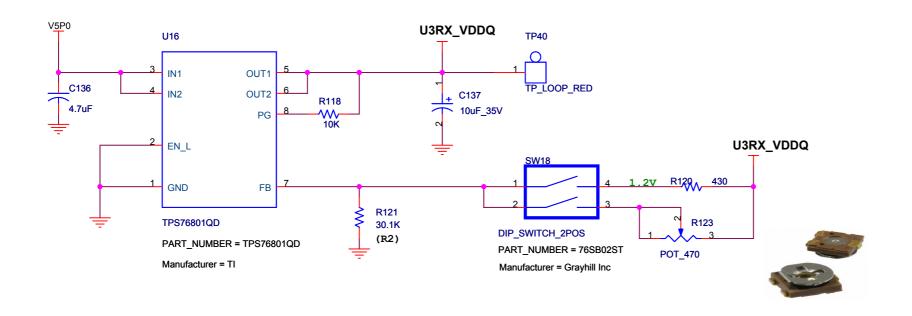
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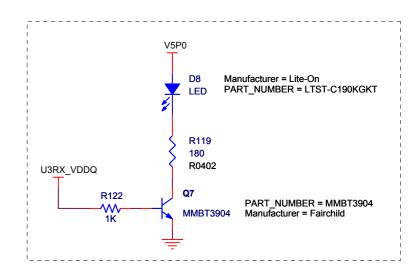
FX3 VALIDATION BOARD

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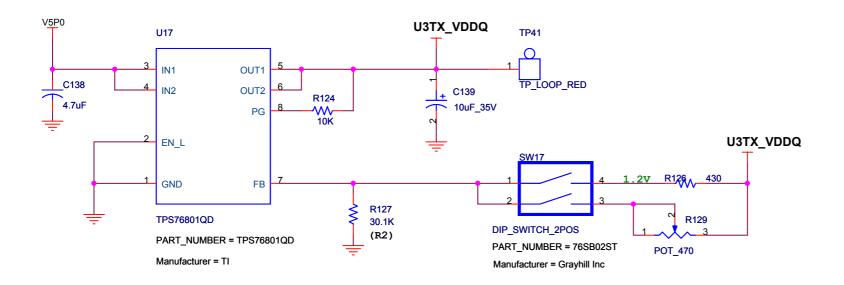
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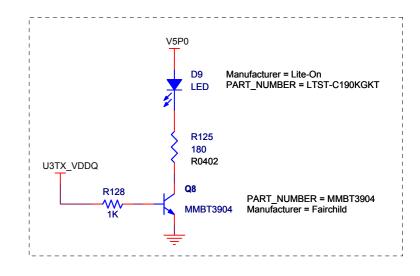
## U3RX\_VDDQ (1.2V @ 1A) REGULATOR





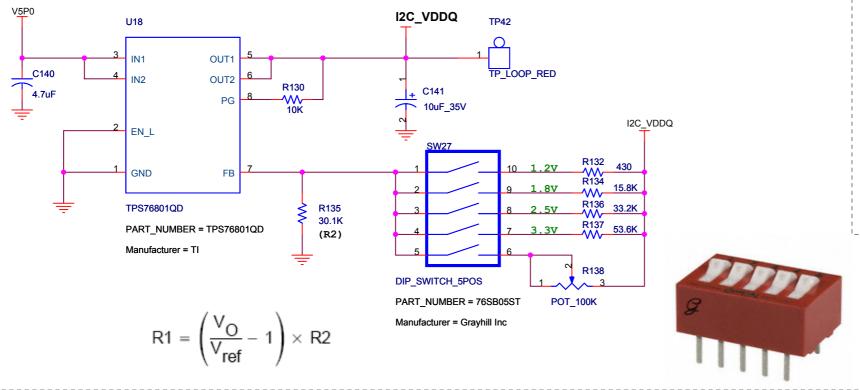
#### U3TX\_VDDQ (1.2V @ 1A) REGULATOR

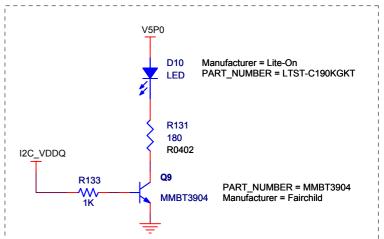




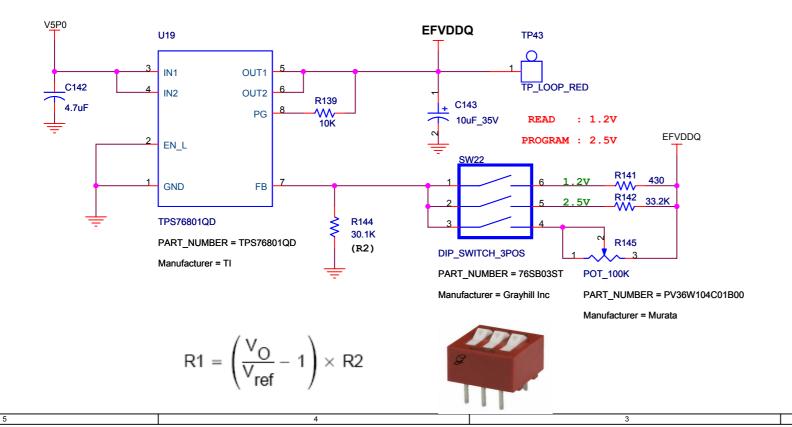
Title	FX3 VALIDATION BOARD					
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		1				

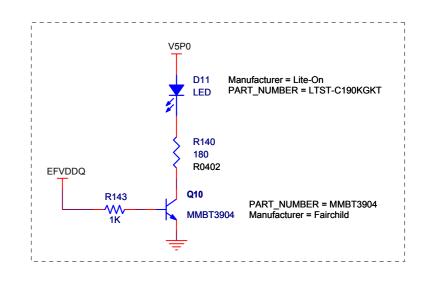
## I2C\_VDDQ (1.2/1.8/2.5V/3.3V @ 1A) REGULATOR



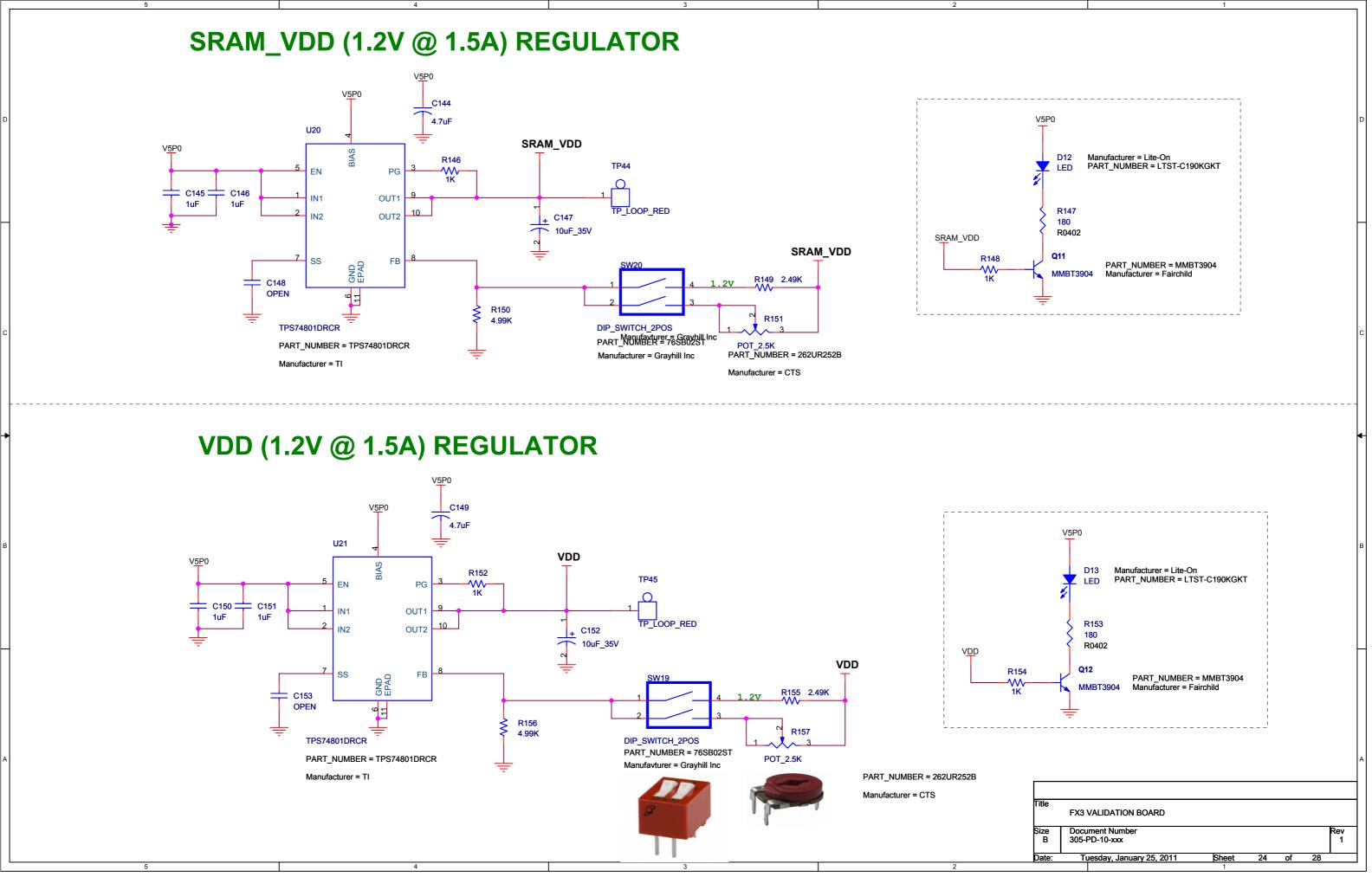


## EFVDDQ (1.2/2.5V @ 1A) REGULATOR

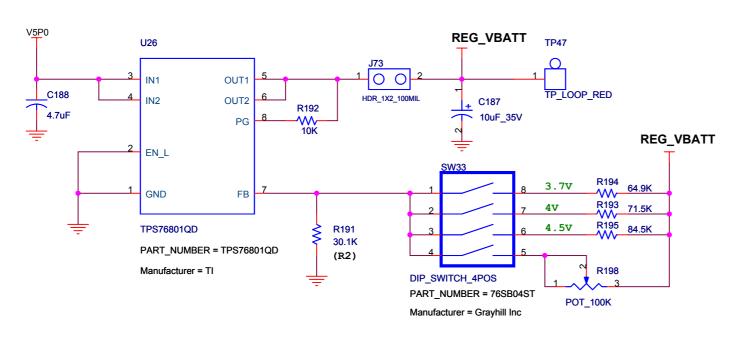


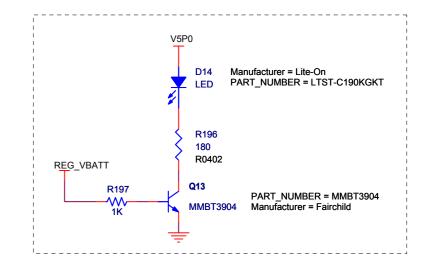


Title	FX3 VALIDATION BOARD					
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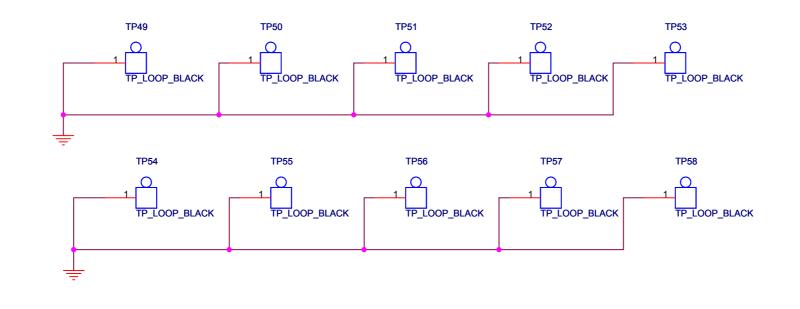
#### **REG\_VBATT (3.7 / 4V / 4.5V @ 1A) REGULATOR**





$$R1 = \left(\frac{V_O}{V_{ref}} - 1\right) \times R2$$

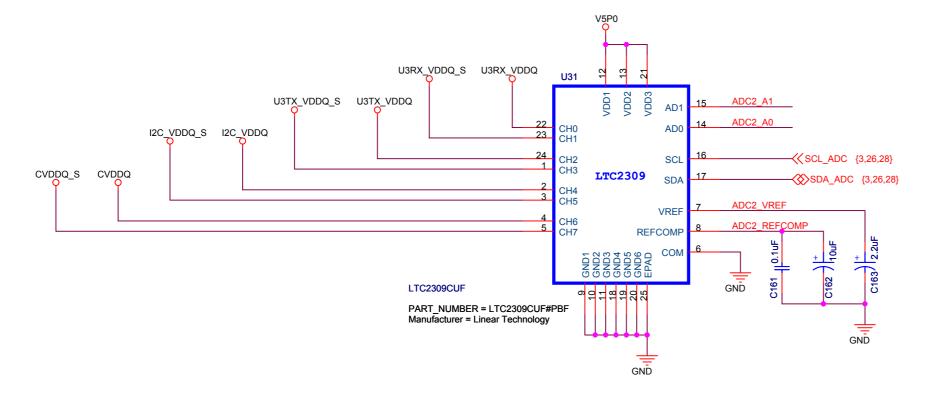




CURRENT SENSING ADC - 1 VDD / SRAM\_VDD / AVDD / EFVDDQ V5P0 VDD\_S VDD U30 SRAM\_VDD\_S SRAM\_VDD ADC1\_A1 ADC1 A0 AD0 AVDD\_S AVDD CH1 CH2 CH3 **─**⟨SCL\_ADC {3,27,28} SCL EFVDDQ\_S EFVDDQ LTC2309 SDA\_ADC {3,27,28} SDA V5P0 CH4 CH5 ADC1 VREF VREF 0402 REFCOMF LTC2309CUF PART\_NUMBER = LTC2309CUF#PBF Manufacturer = Linear Technology GND V5P0 V5P0 R158 R163 ADC1\_A1 ADC1\_A0 R161 R162 **I2C ADDRESS** DNL 10K AD1 AD0 **ADDRESS** 1 0 0 0 0 0 1 1 **FX3 VALIDATION BOARD** Document Number 305-PD-10-xxx Wednesday, January 26, 2011 Sheet 26 of

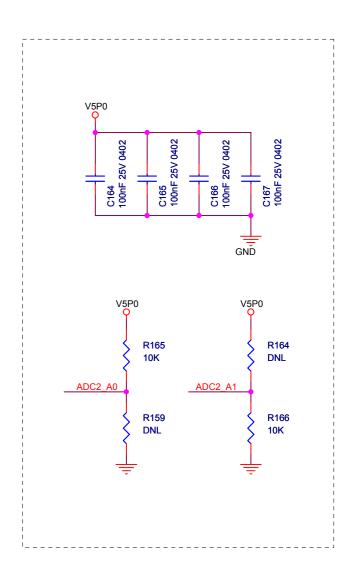
# CURRENT SENSING ADC - 2

CVDDQ / I2C\_VDDQ / U3RX\_VDDQ / U3TX\_VDDQ



#### **I2C ADDRESS**

AD0	AD1	ADDRESS						
1	0	0	0	0	1	0	1	0



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