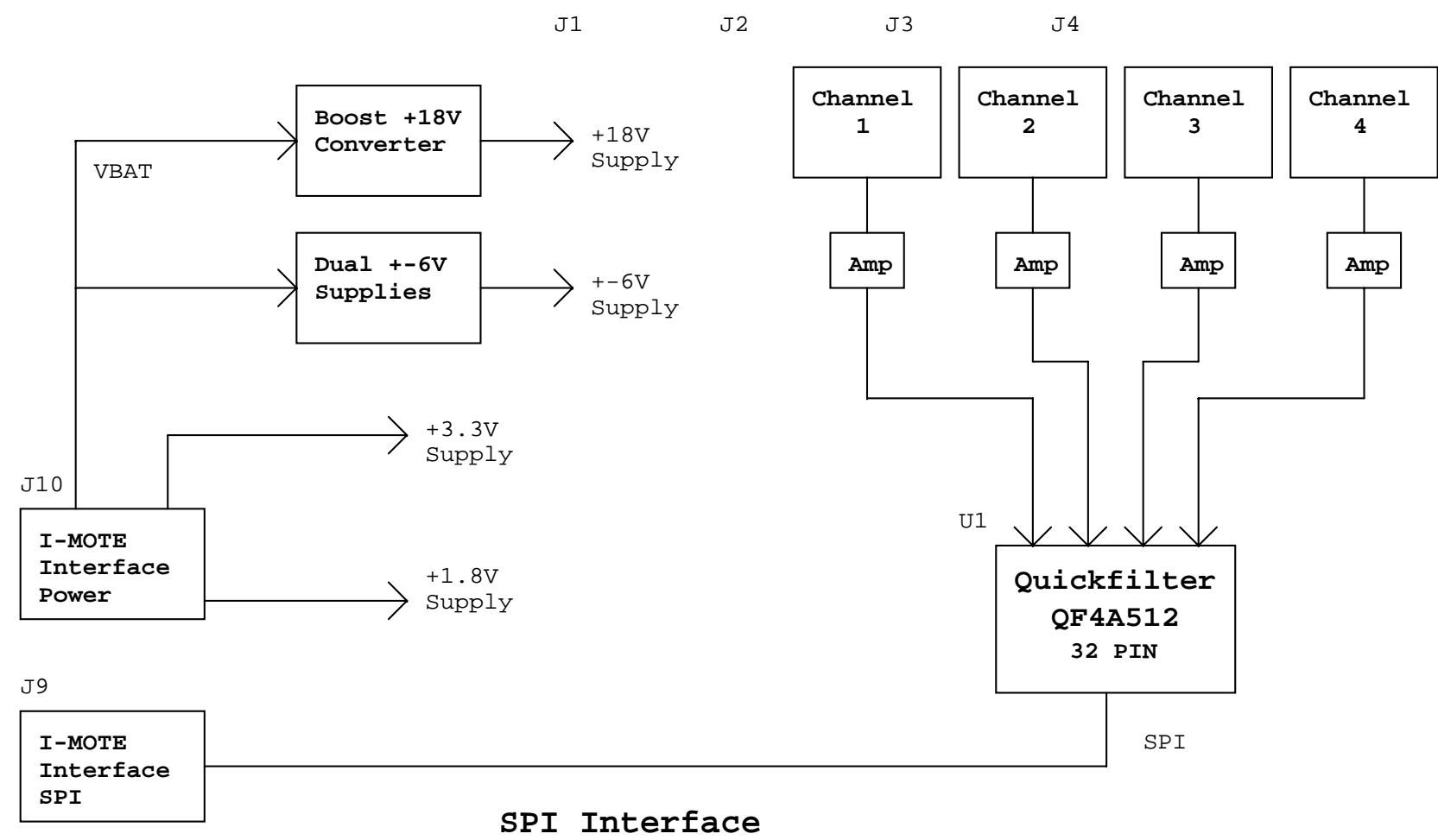
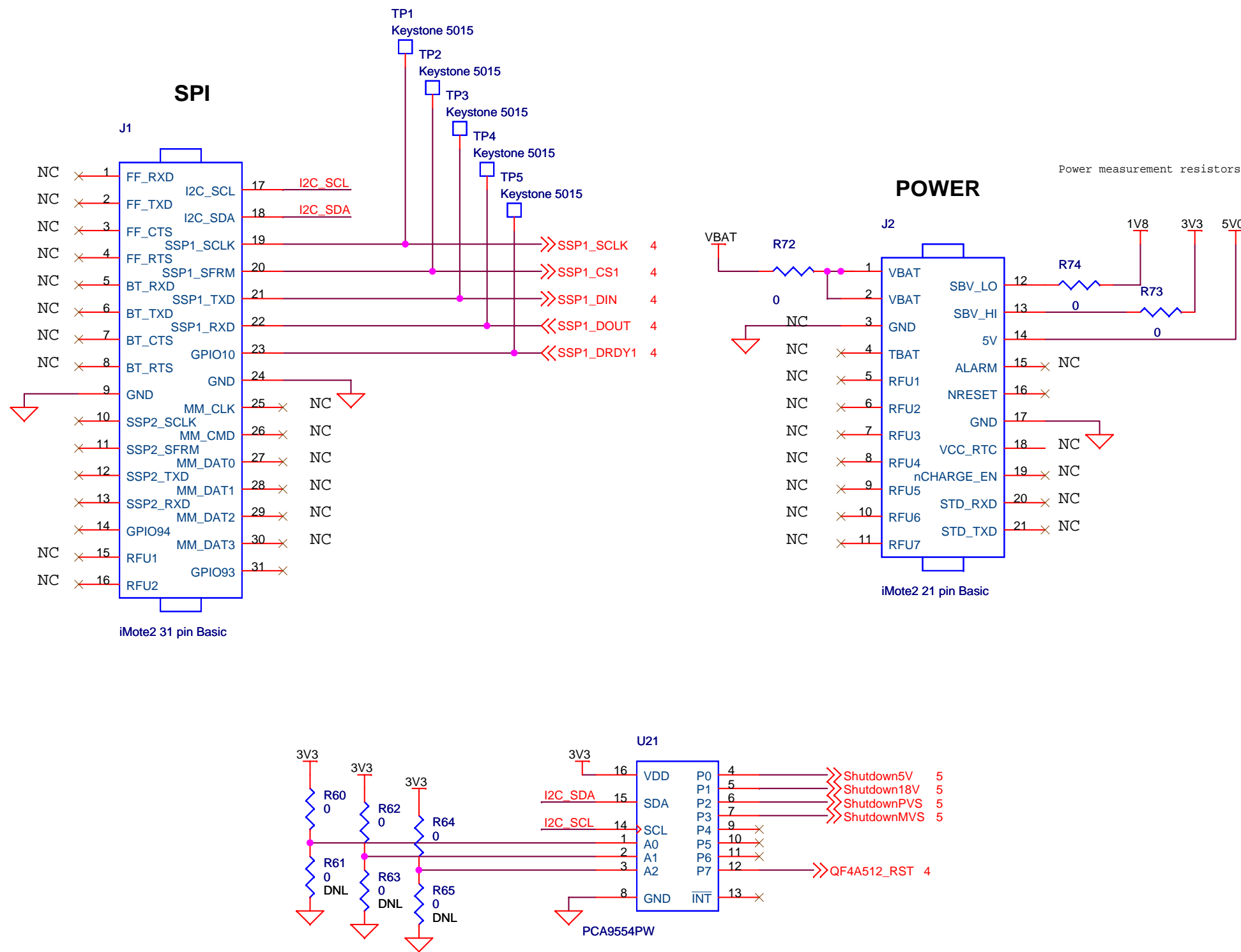


# Intel Mote2 GenericSensorboard



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# Intel I-Mote Interface



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# I-Mote Front End

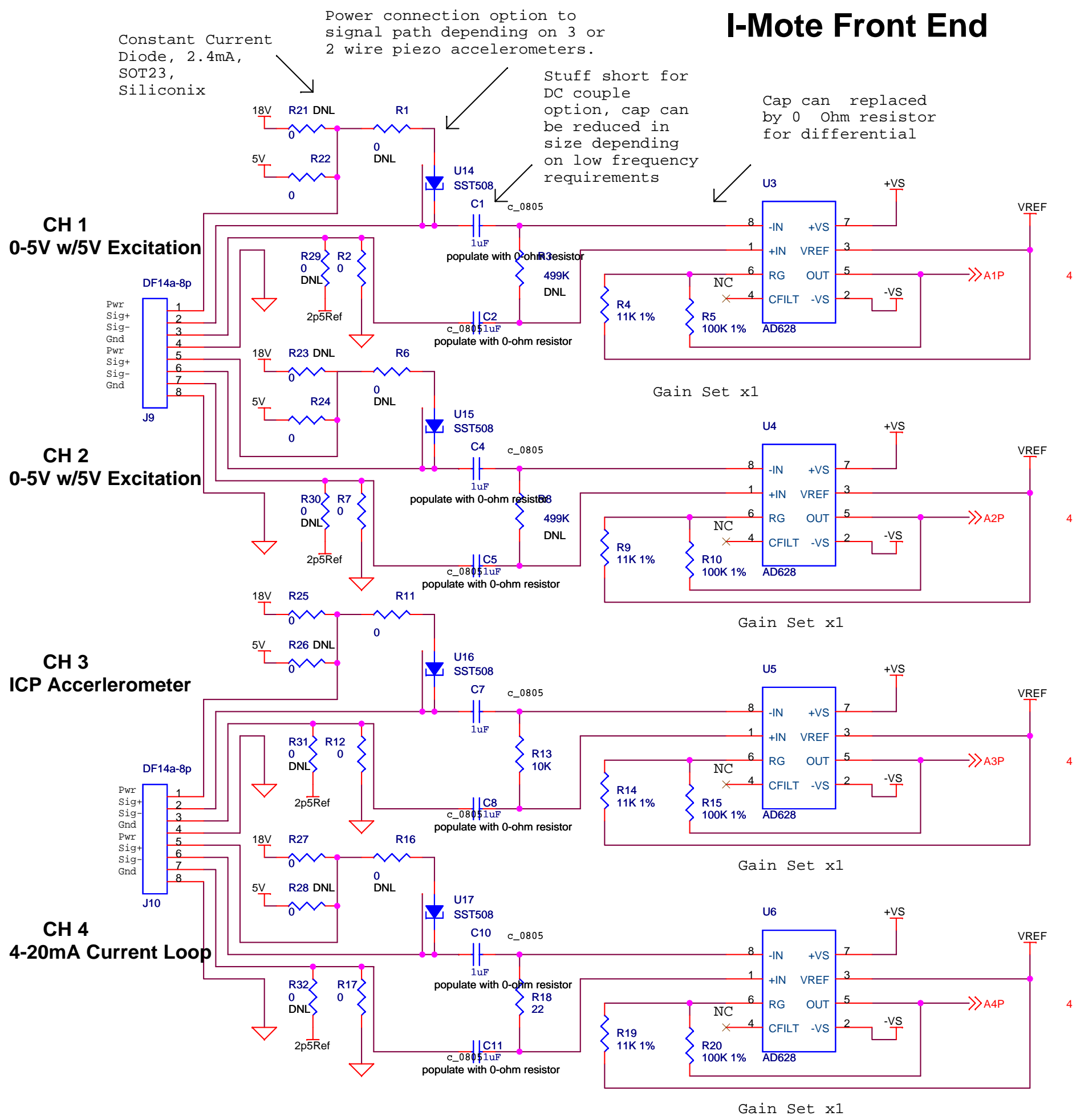


Table 1

<b>Single Ended</b>
<b>Accelerometer 2</b>
<b>wire AC Coupled</b>
Pin 1 = NC
Pin 2 = Power +18V
Pin 3 = NC
Pin 4 = GND
R1 = 0 Ohms
R2 = 0 Ohms
R3 = 499K
C1 = 22uF
C2 = 0 Ohms

Table 2

<b>Single Ended</b>
<b>Accelerometer 3</b>
<b>wire DC Coupled</b>
Pin 1 = Power +18V
Pin 2 = Signal DC
Pin 3 = NC
Pin 4 = GND
R1 = No Stuff
R2 = 0 Ohms
R3 = No Stuff
C1 = 0 Ohms
C2 = 0 Ohms

Table 3

<b>Differential</b>
<b>AC Coupled</b>
Pin 1 = NC
Pin 2 = +Signal 4Vpp
Pin 3 = -Signal 4Vpp
Pin 4 = GND
R1 = No Stuff
R2 = No Stuff
R3 = No Stuff
C1 = 22uF
C2 = 22uF

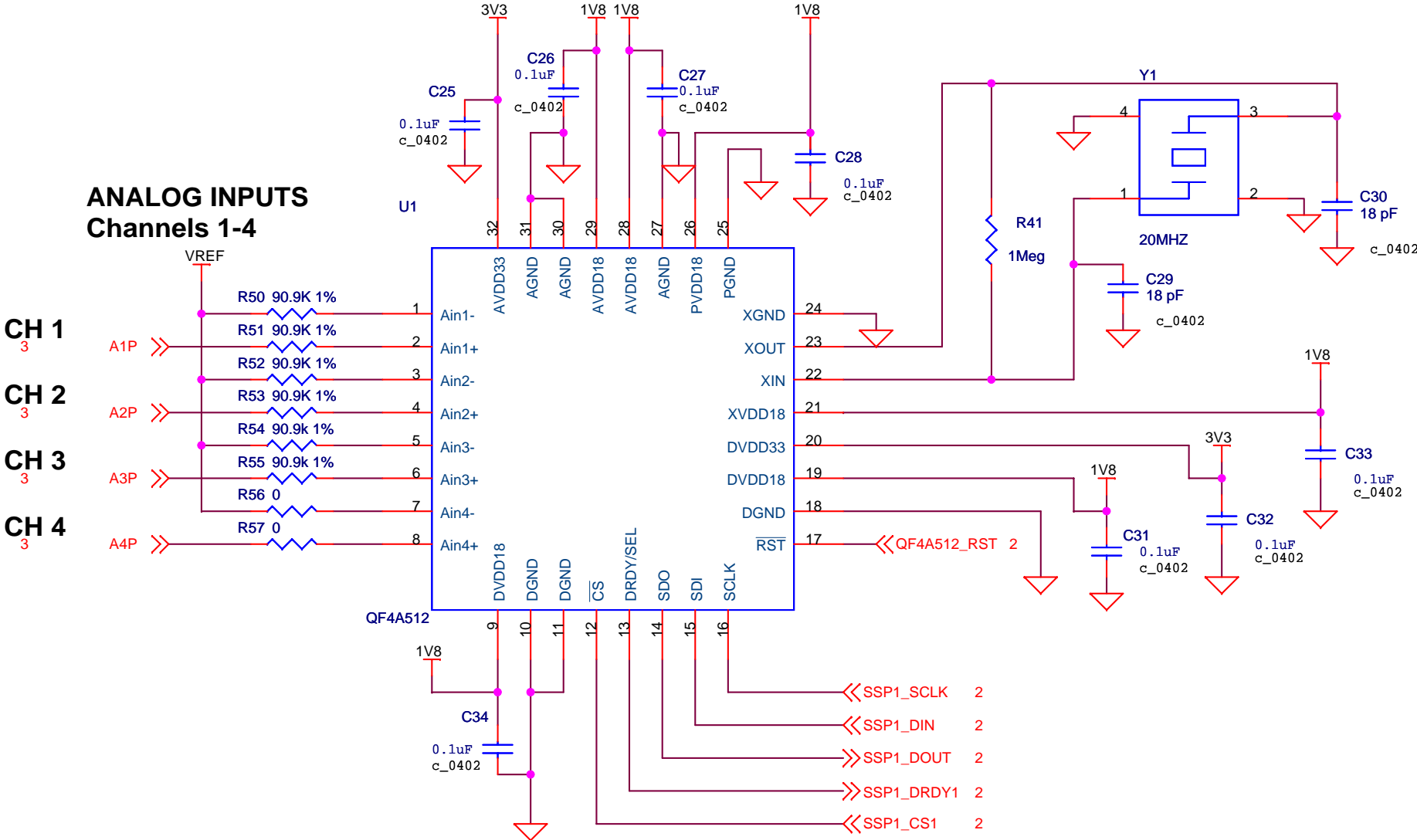
Table 4

<b>Differential</b>
<b>DC Coupled</b>
Pin 1 = NC
Pin 2 = -1VDC to+5VDC
Pin 3 = -1VDC to+5VDC
Pin 4 = GND
R1 = No Stuff
R2 = No Stuff
R3 = No Stuff
C1 = 0 Ohms
C2 = 0 Ohms

Table 5

<b>4-20mA Interface</b>
Pin 1 = NC
Pin 2 = +5V DC =20mA
Pin 2 = +1V DC =4mA
Pin 3 = GND
R1 = No Stuff
R2 = 0 Ohms
R3 = 250 Ohms
C1 = 0 Ohms
C2 = 0 Ohms

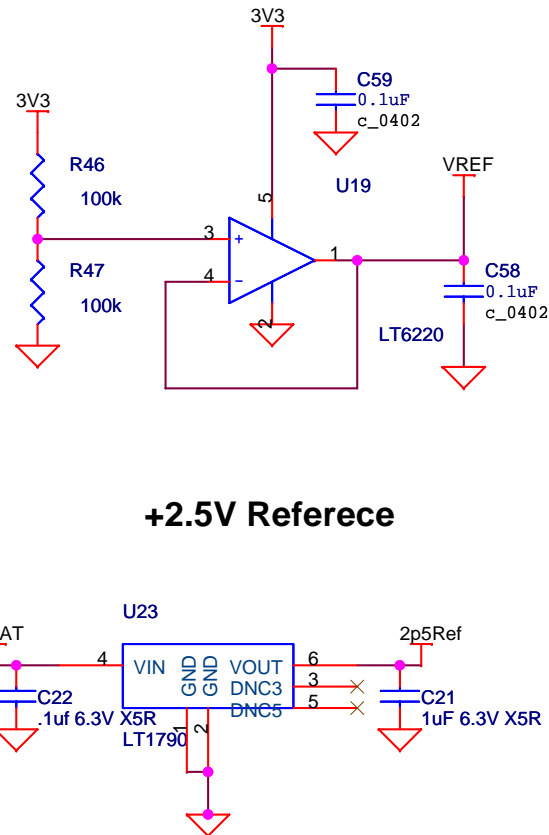
## Qf4A512 - Channels 1-4



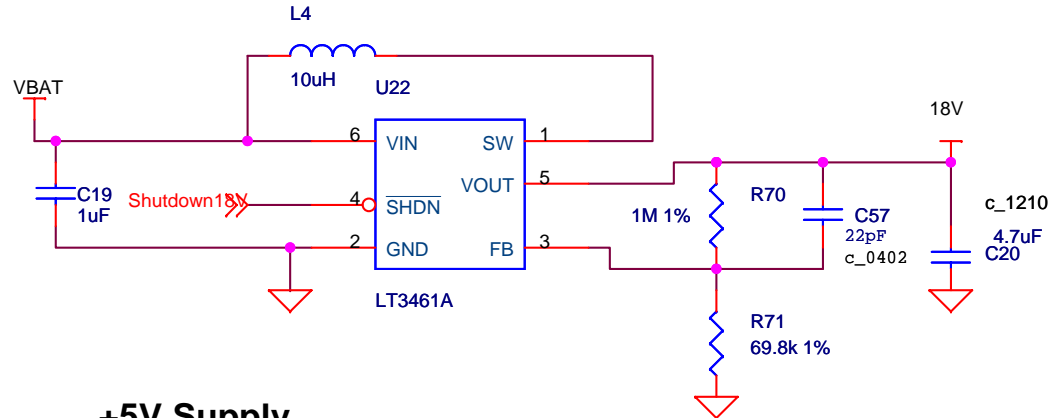
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# Power Supply

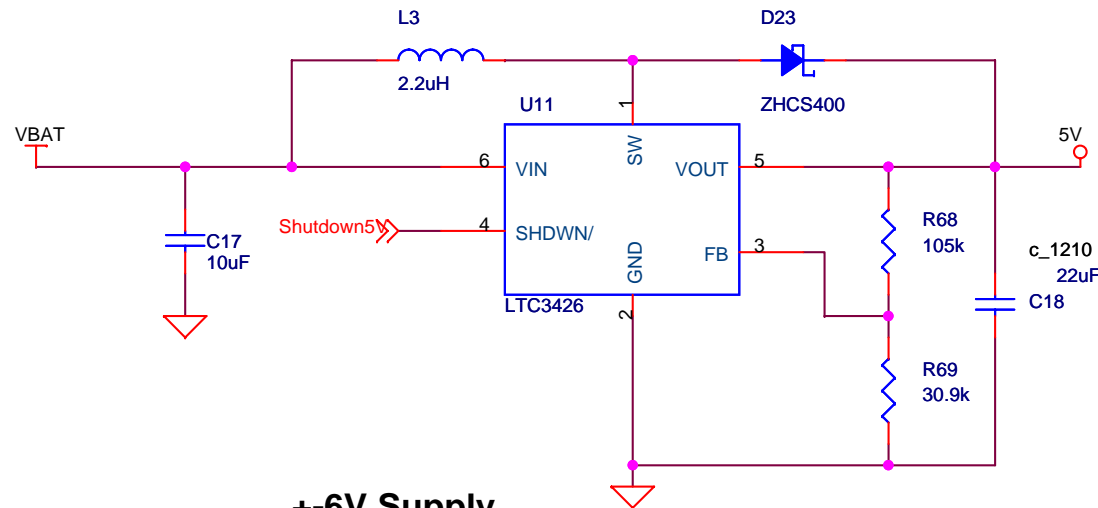
## 1.5V Voltage Reference



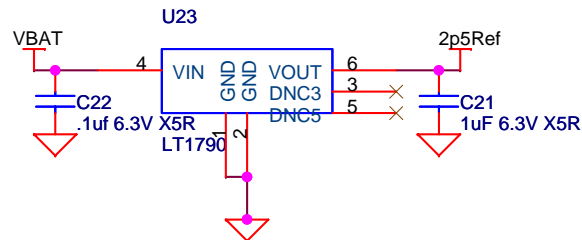
## +18V Supply



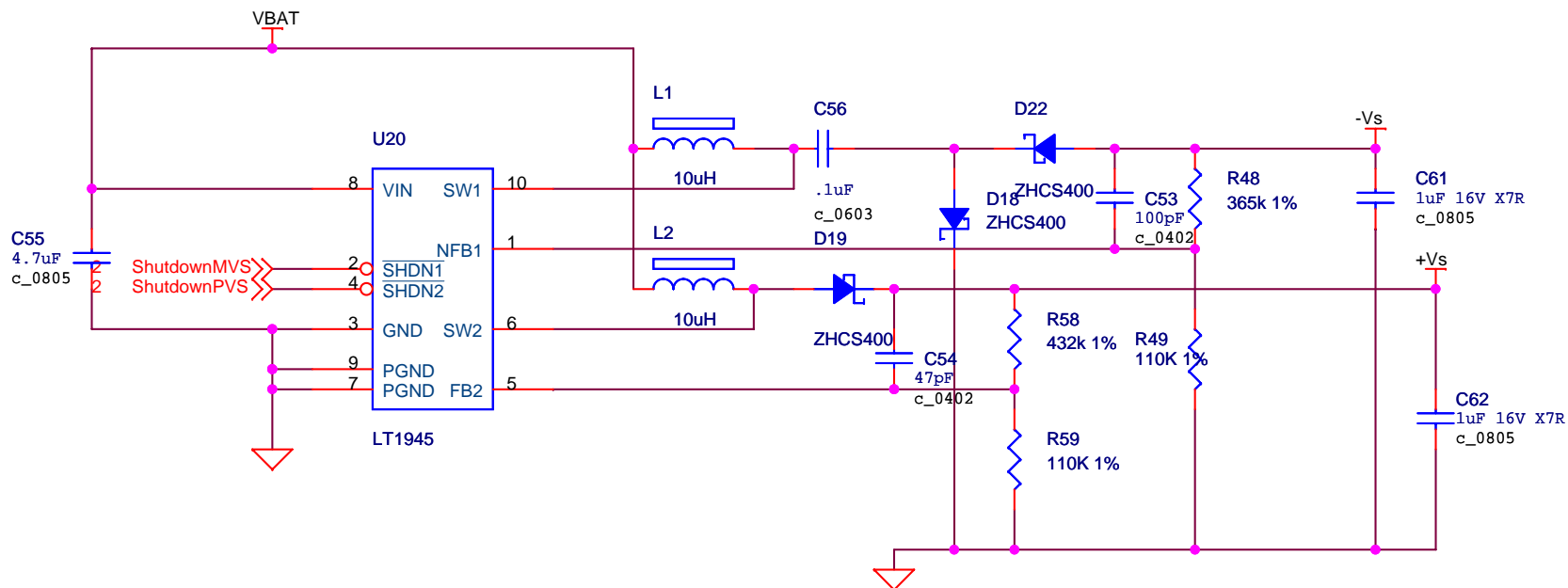
## +5V Supply



## +2.5V Referece



## +6V Supply



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