

Mechanical Parts

M1



BTB-PCB-1.0

Taxes

M2



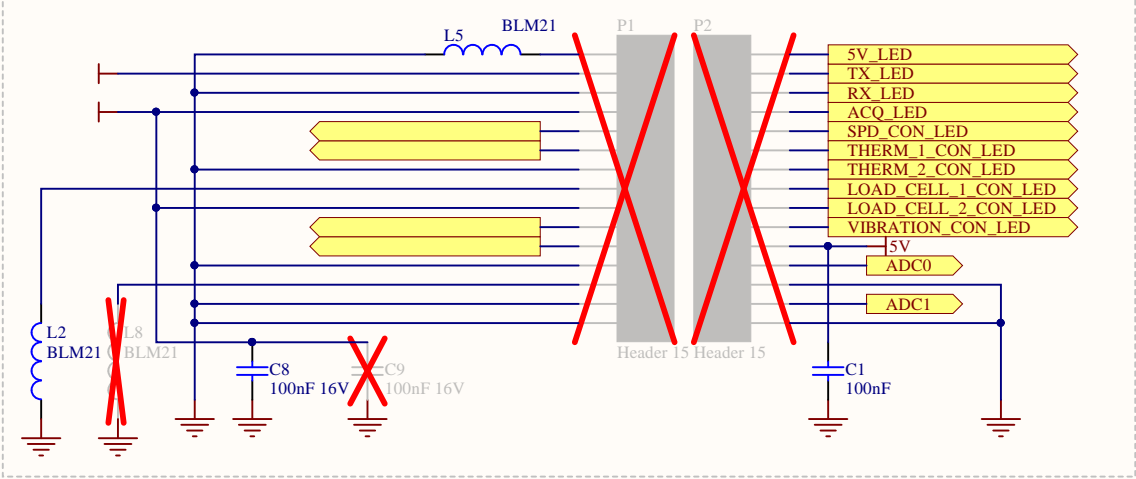
Importation Taxes Discrete

M3

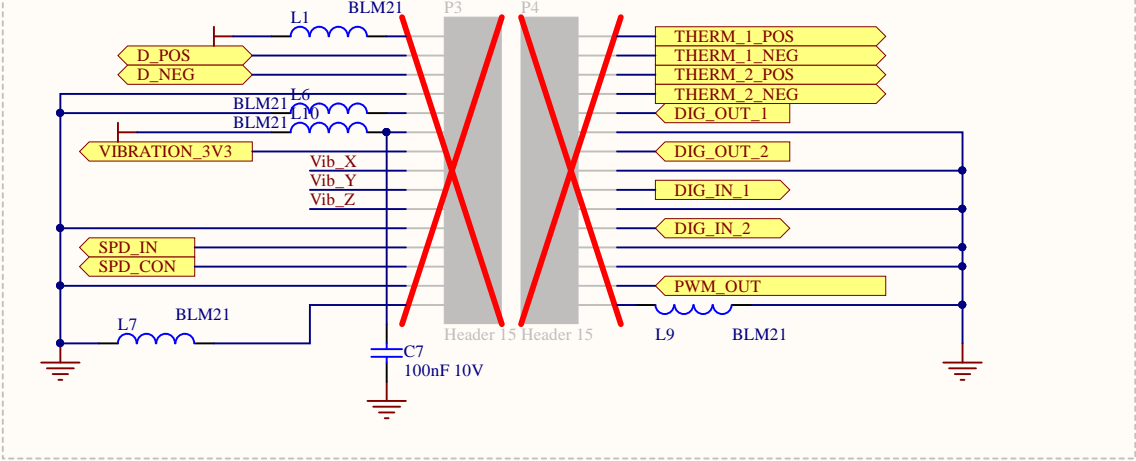


Importation Taxes PCB

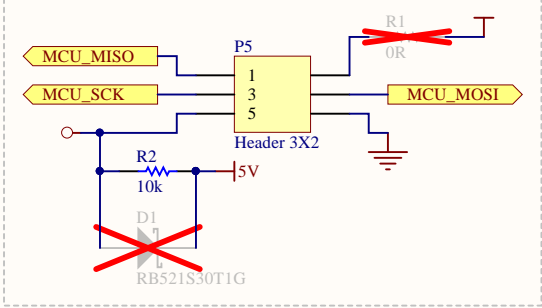
DigitalCon



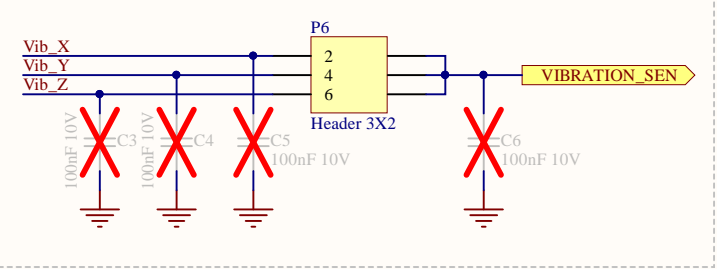
AnalogCon



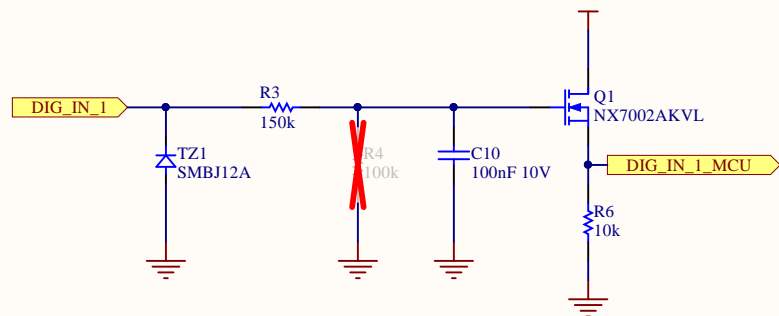
MCU\_PROGRAMMING



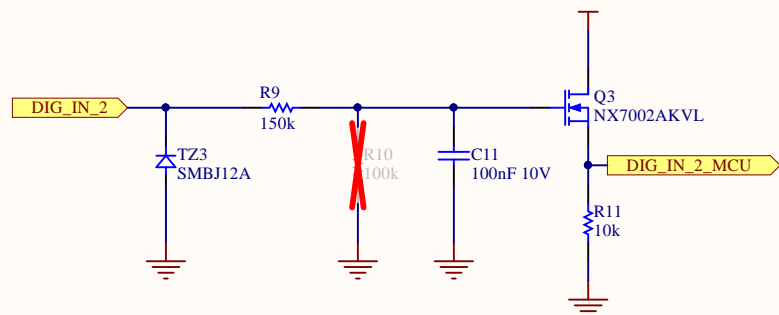
Vibration Jumper



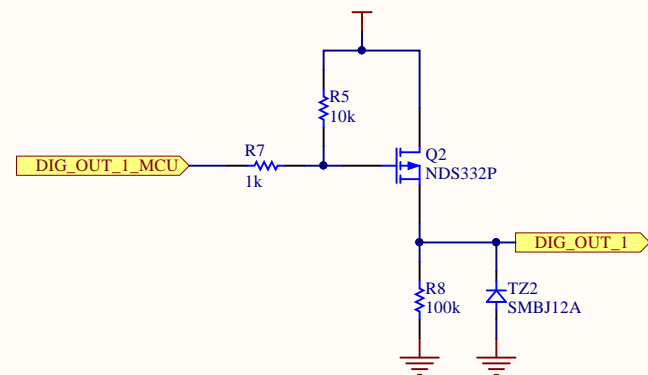
Digital Input 1



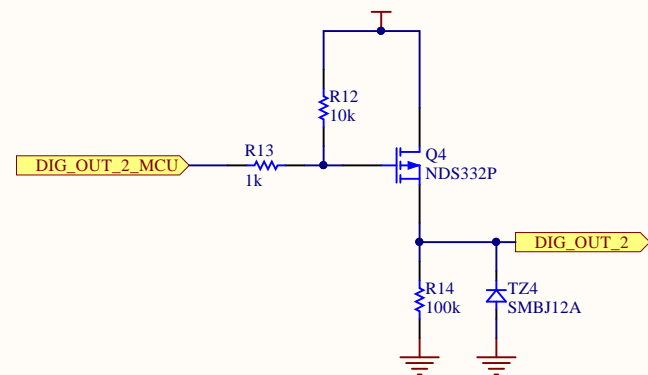
Digital Input 2



Digital Output



Digital Output



Title: DigitalInterfaces

Version: 1.0.0

Project: BTB.PrjPcb

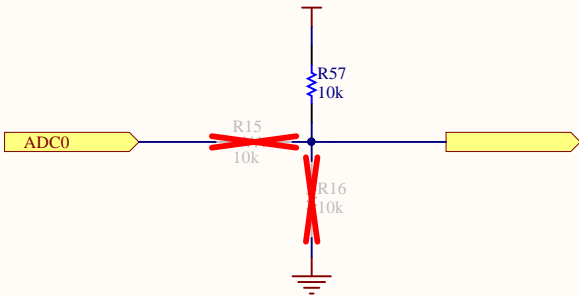
Author: Joao Guimaraes

Date: 24/06/2018

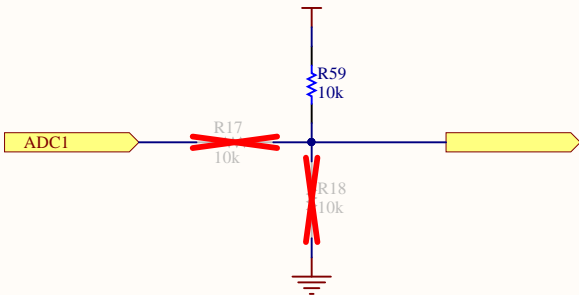
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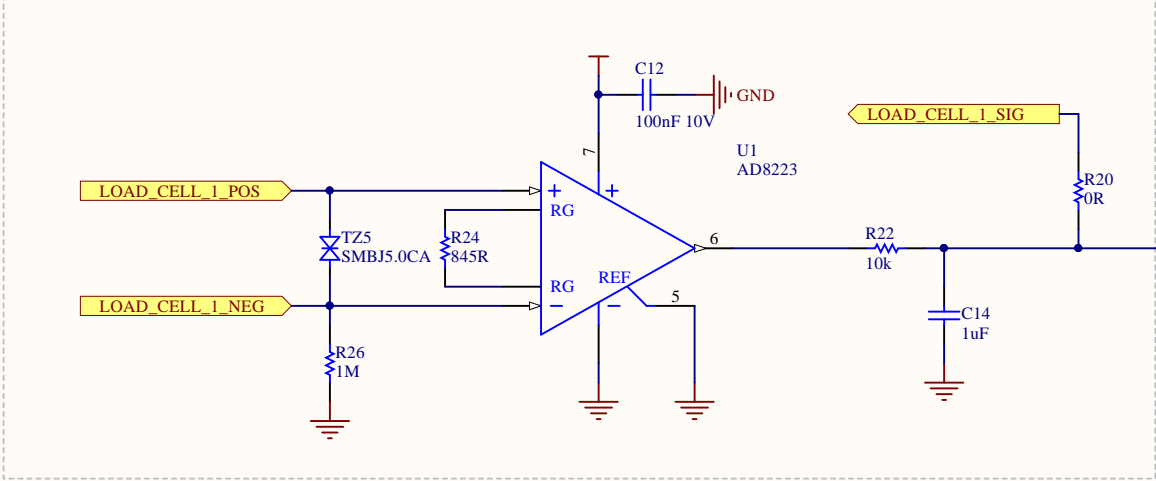
Extra ADC0



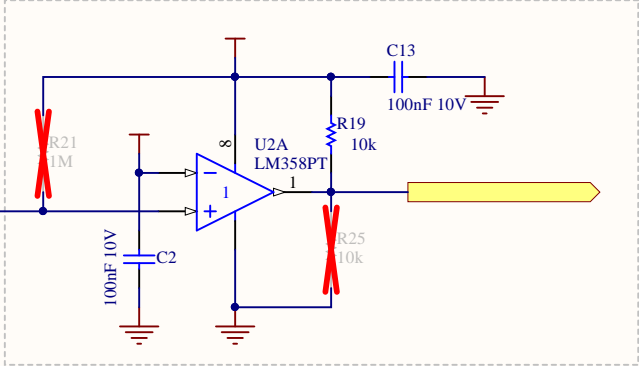
Extra ADC1



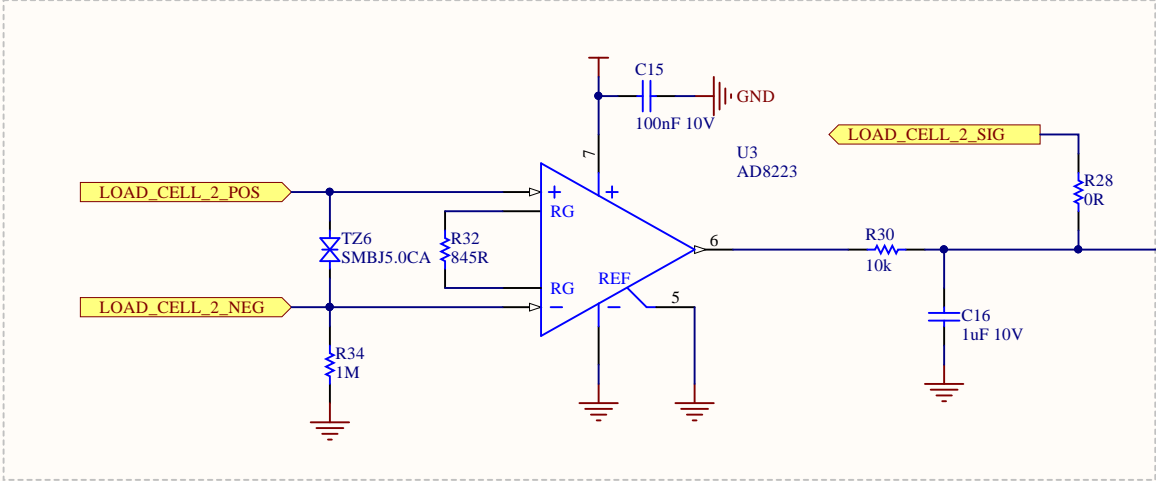
LoadCell 1 Conditioning Circuit



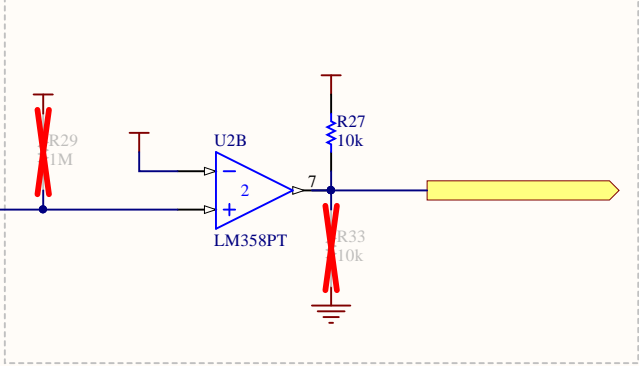
LoadCell 1 Detection Circuit



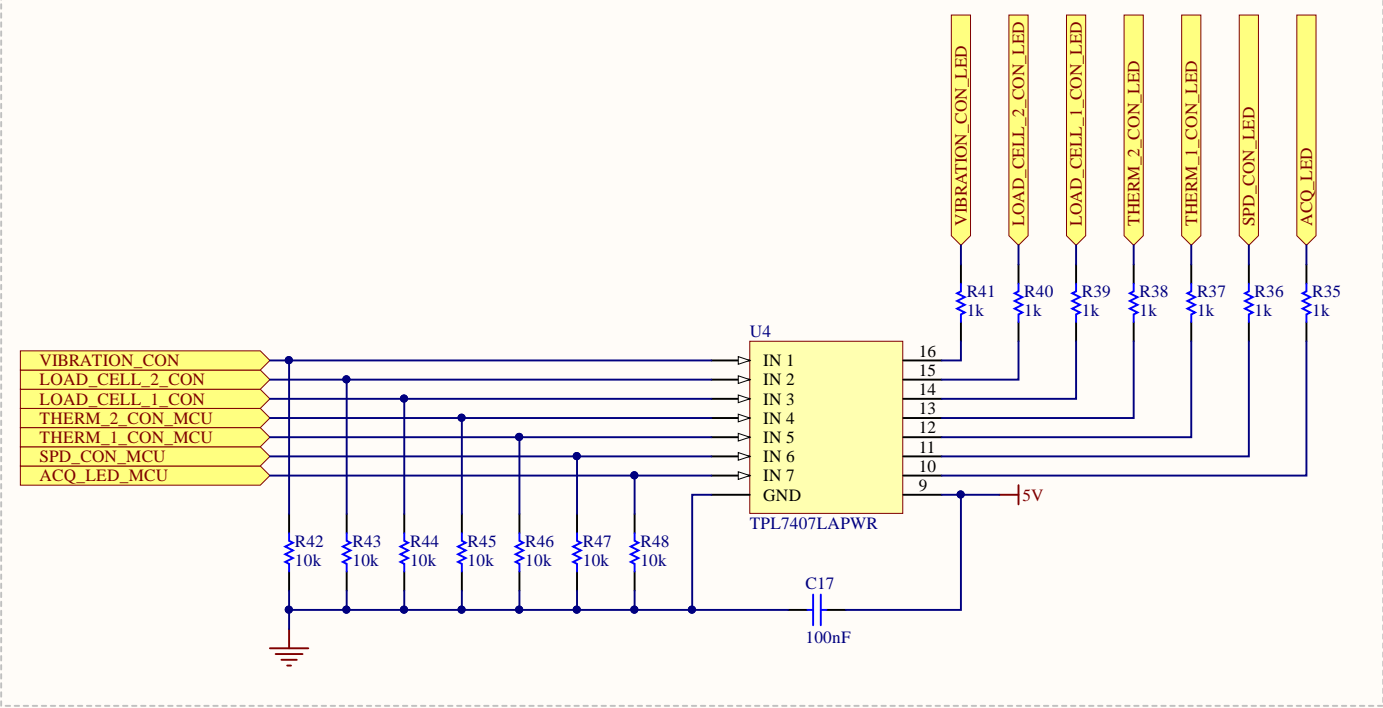
LoadCell 2 Conditioning Circuit



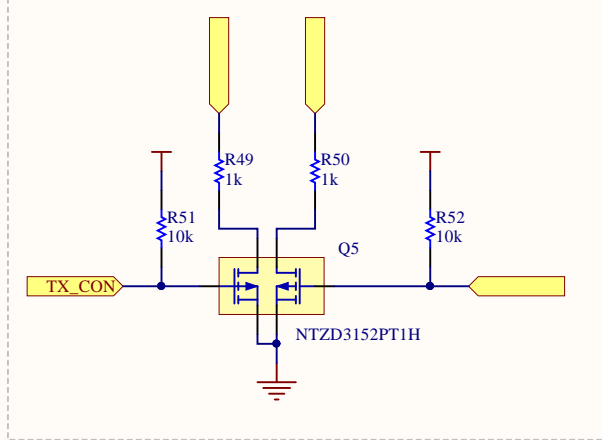
LoadCell 2 Detection Circuit



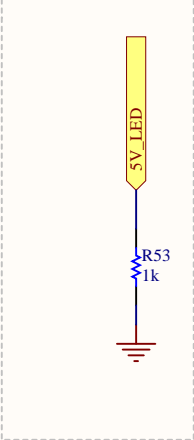
ConnectionLeds



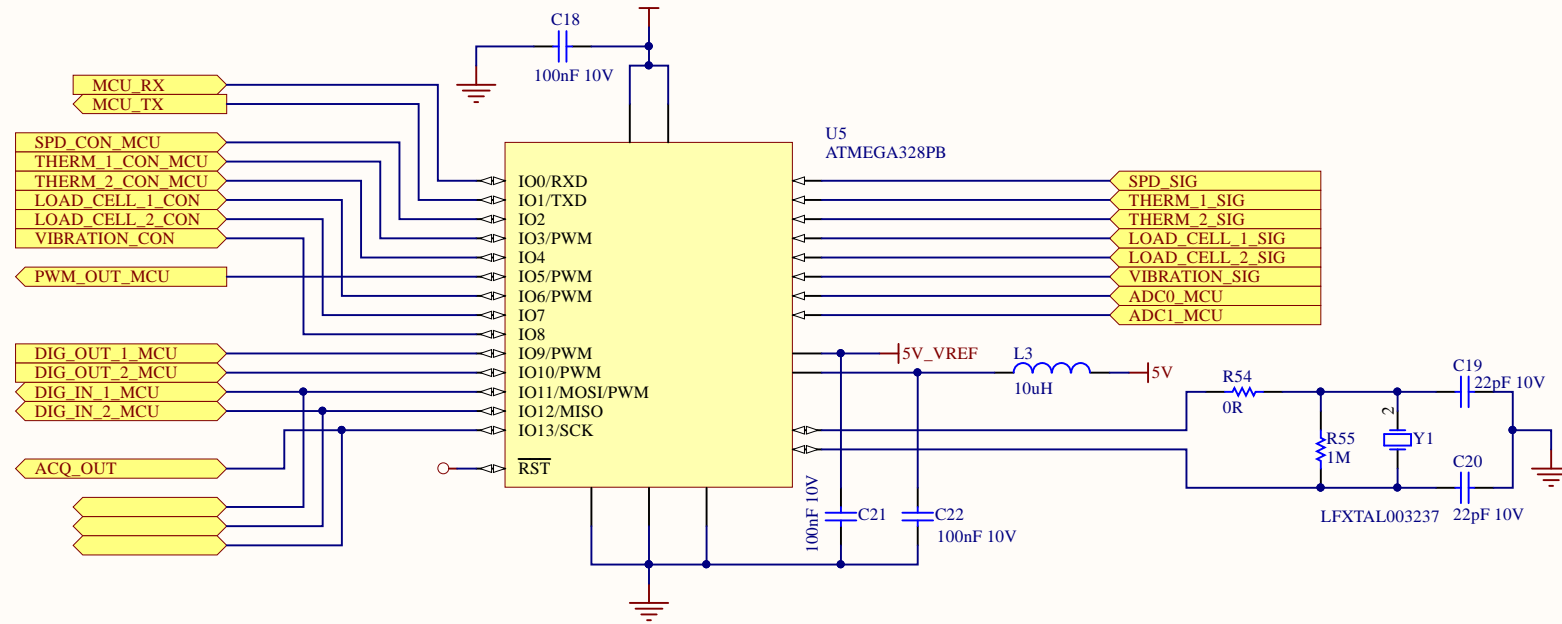
Serial LEDS



PowerSupplyLEDs



# MCU Circuit



Title: MCU

Version: 1.0.0

Project: BTB.PrjPcb

Author: Joao Guimaraes

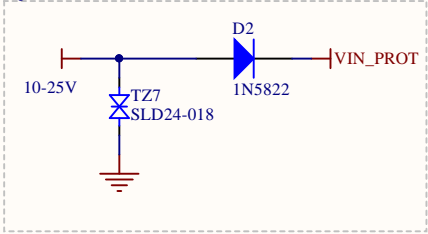
Date: 24/06/2018

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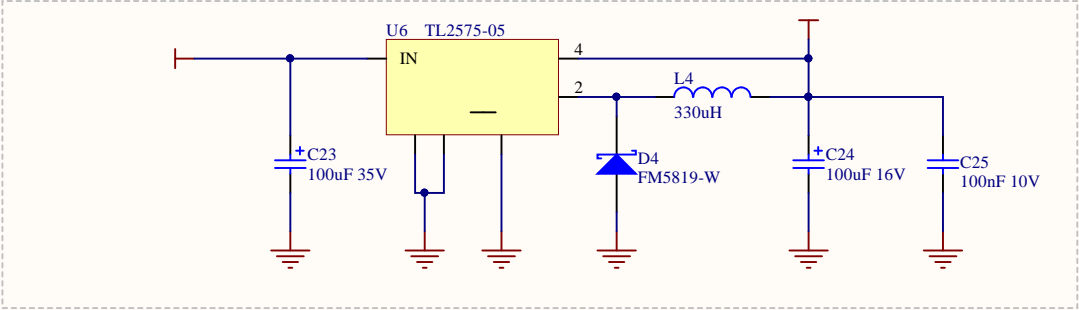




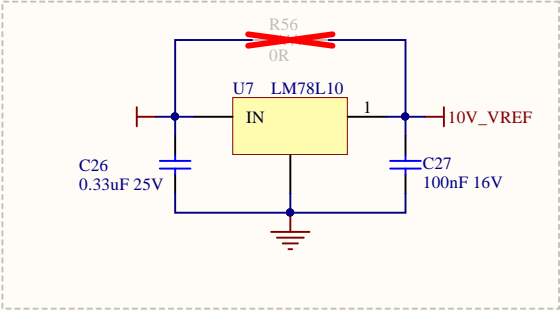
Input Protection



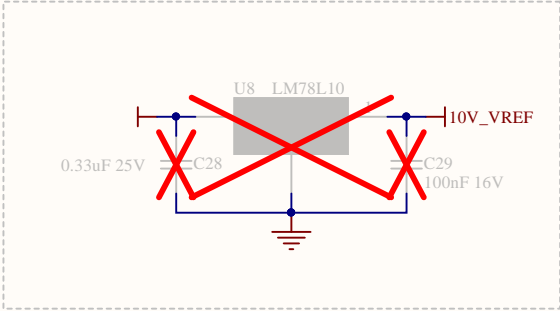
5V 1A Source



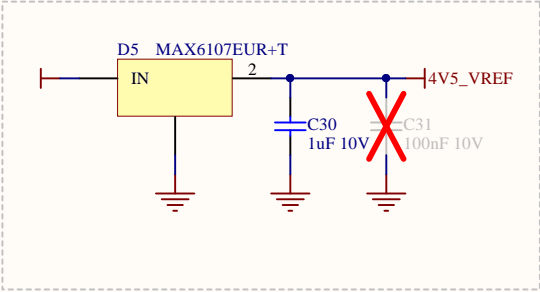
10V Reference



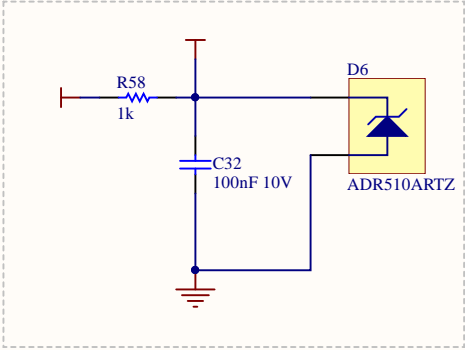
10V Reference 2



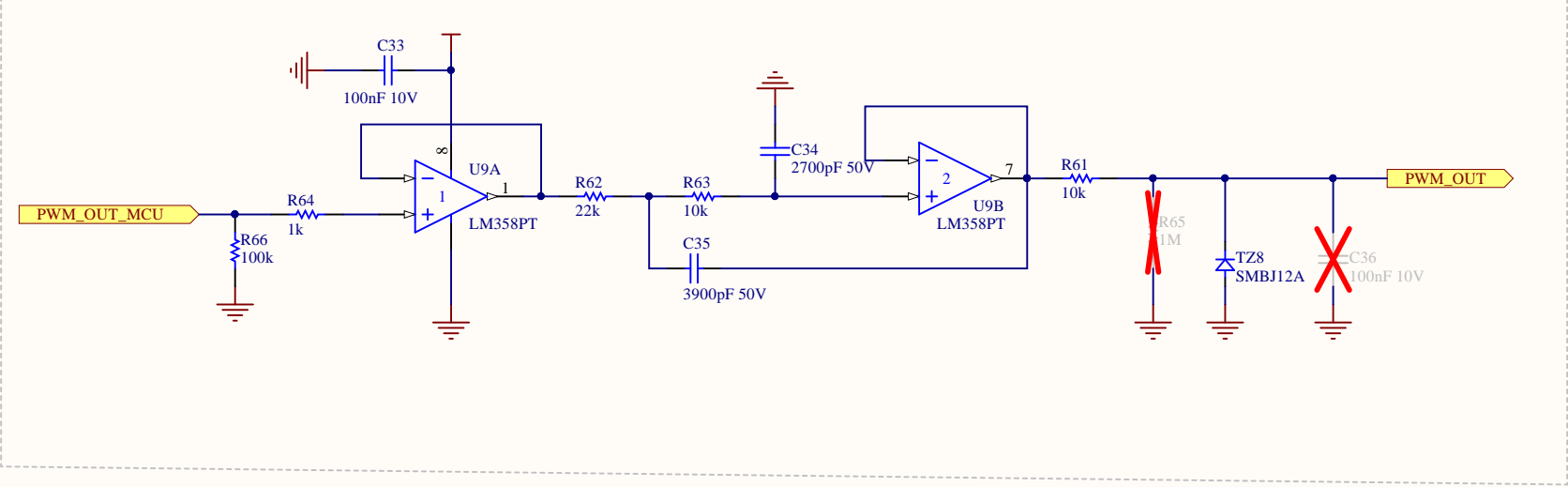
4V5 Reference



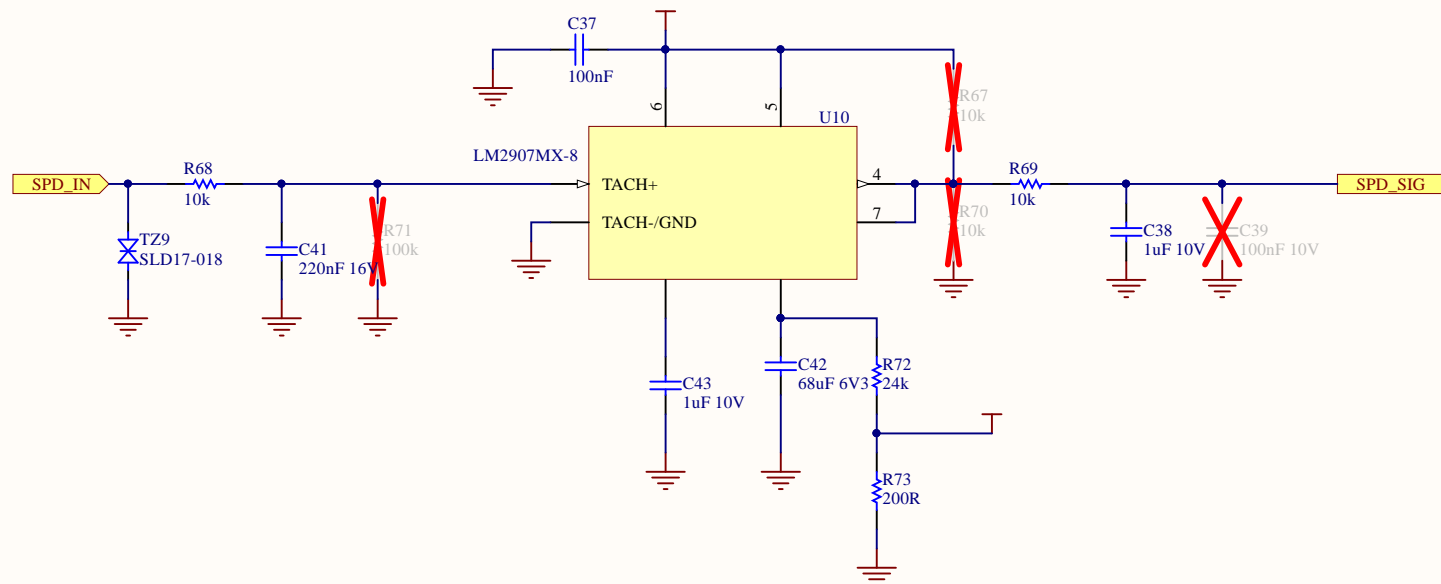
1V Reference



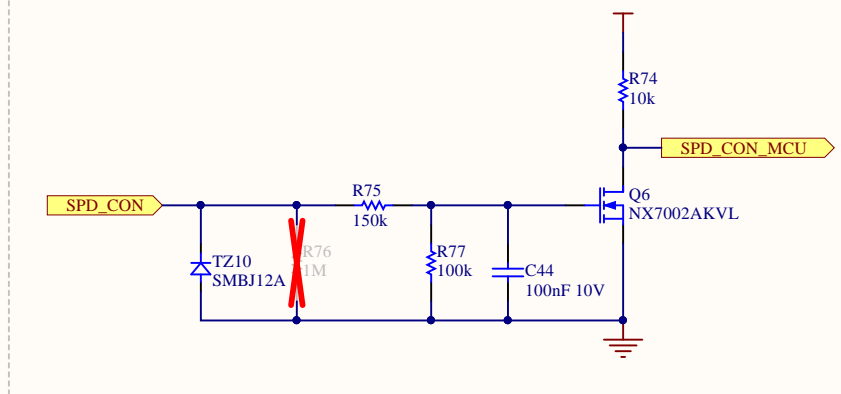
Pwm To Voltage Circuit



CKP Conditioning Circuit



Detection Circuit



Title: SpeedACQ

Version: 1.0.0

Project: BTB.PrjPcb

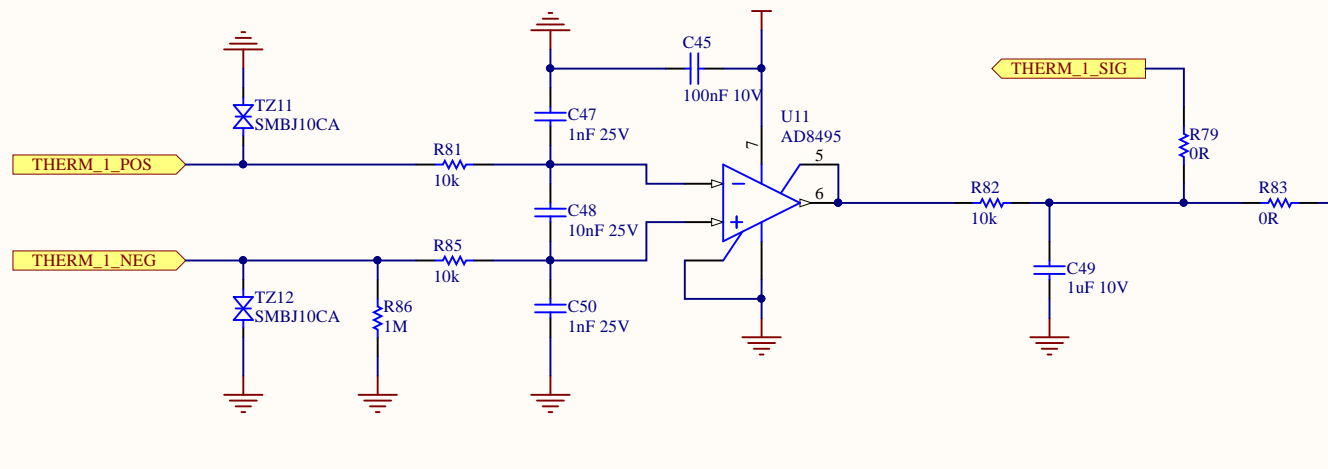
Author: Joao Guimaraes

Date: 24/06/2018

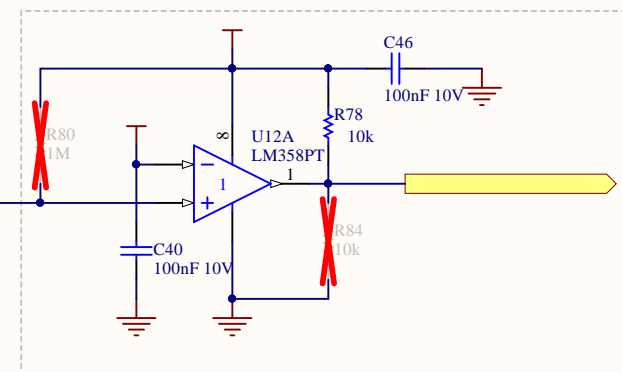
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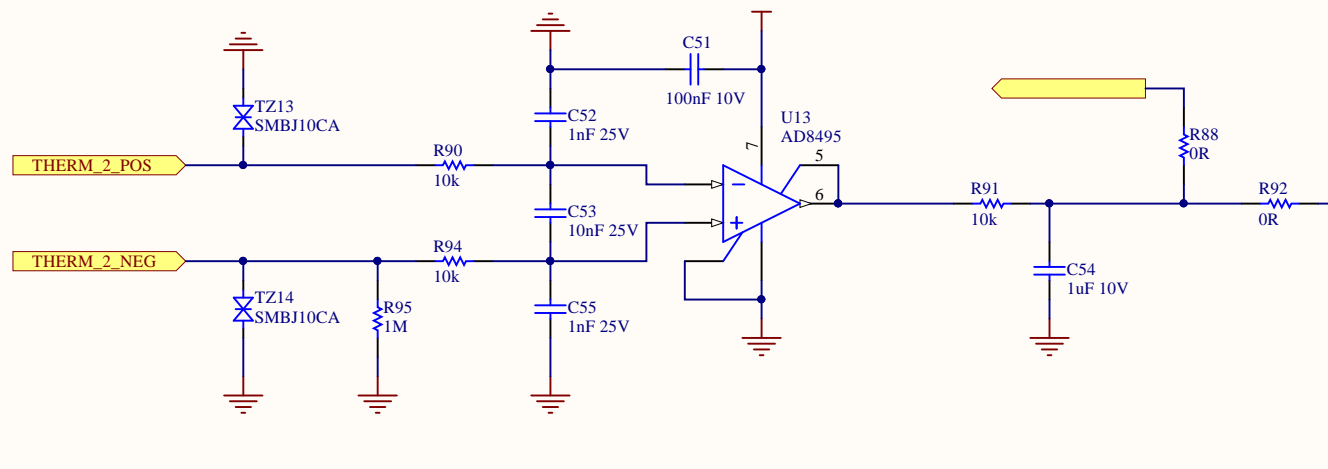
Thermocouple 1 Conditioning Circuit



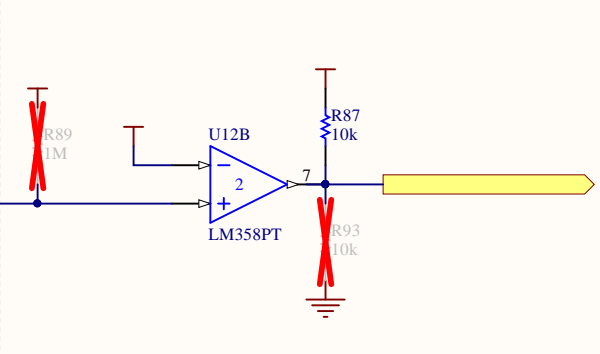
Thermocouple 1 Detection Circuit



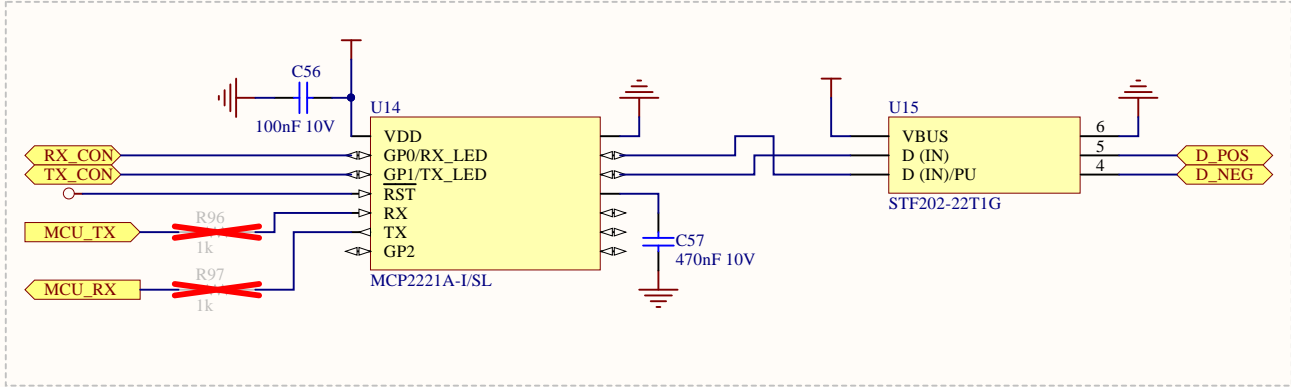
Thermocouple 2 Conditioning Circuit



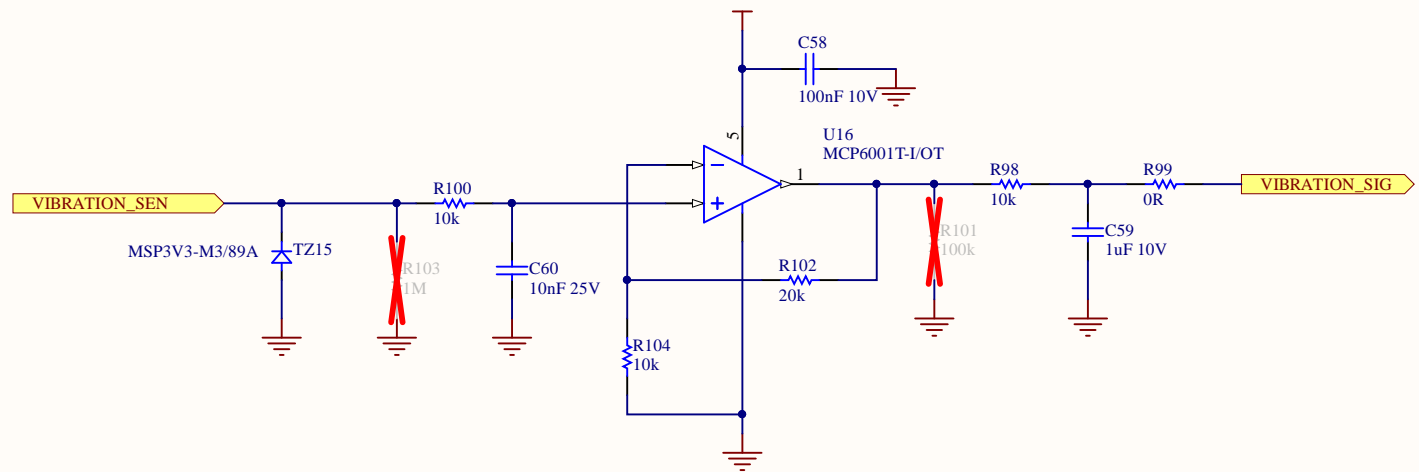
Thermocouple 2 Detection Circuit



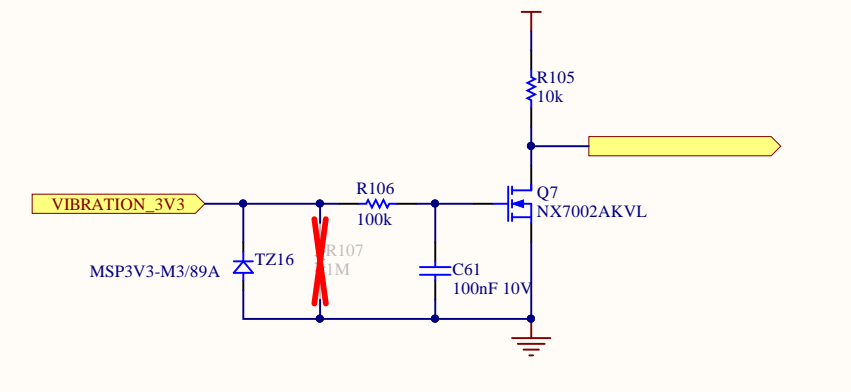
USB/UART Converter



Amplification Circuit



Detection Circuit



Title: VibrationACQ

Version: 1.0.0

Project: BTB.PrjPcb

Author: Joao Guimaraes

Date: 24/06/2018

File: C:\Users\joaog\Documents\braketestbench\hardware\Source\VibrationACQ.SchDoc

