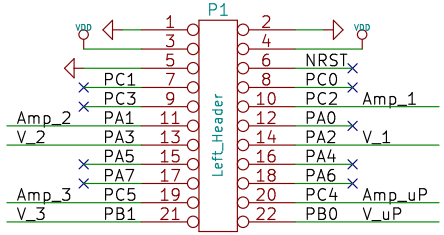
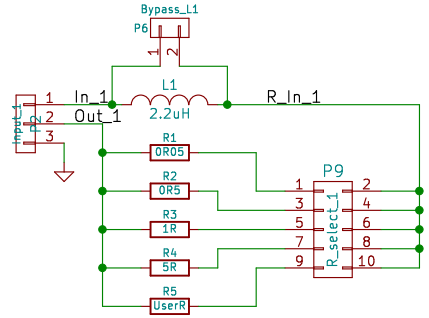


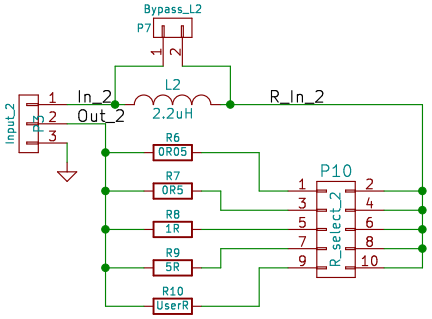
V1 Free pins:

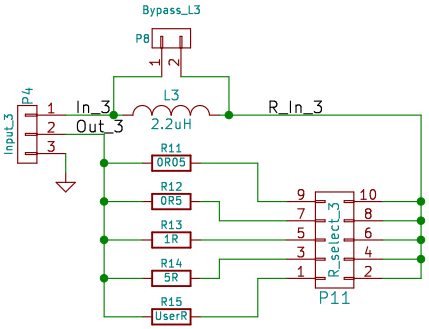
PA3: ADC123
PC2: ADC123 (may also used for SPI2)
PB0: ADC12
PB1: ADC12

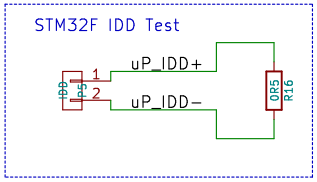
V2 Free pins (all +5V tolerant except PA4,PA5)
PA1 ADC123
PA2 ADC123
PA3 ADC123
PB0 ADC12
PB1 ADC12
PC1 ADC123 – SPI2_MISO
PC2 ADC123
PC4 ADC12
PC5 ADC12

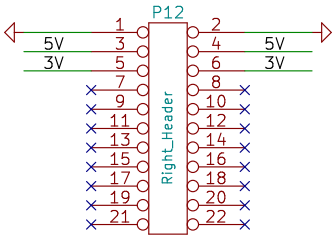
External Current
Measurement Inputs



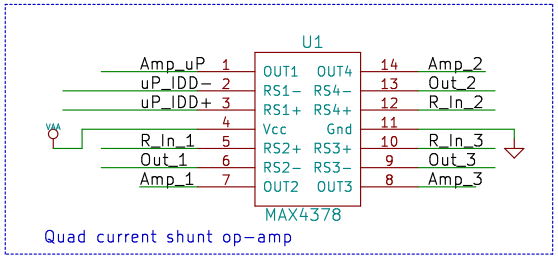


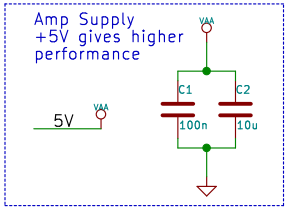


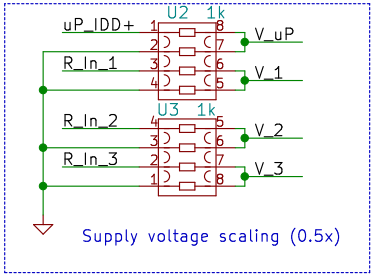




ADC input capacitance is 4pF, External R_AIN_Max = 50kOhm
R_ADC = 6kOhm







Sheet: /
File: st–powersense–shield.sch

Title: st–powersense–shield v3 by Simon J. Hollis

Size: A4	Date: 31 oct 2013	**Rev:**
KiCad E.D.A. kicad 4.0.2–stable		Id: 1/1