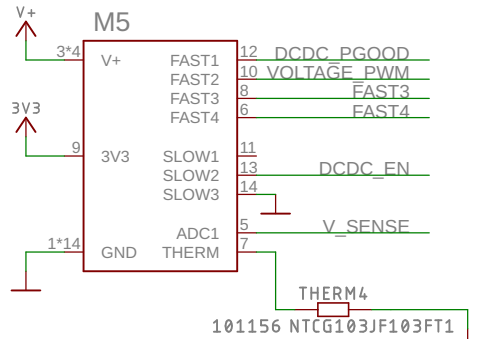
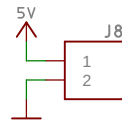


Bench Power Module for Yukon (5A Step-down DAC) (PIM690)

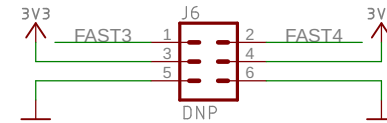
Host connector



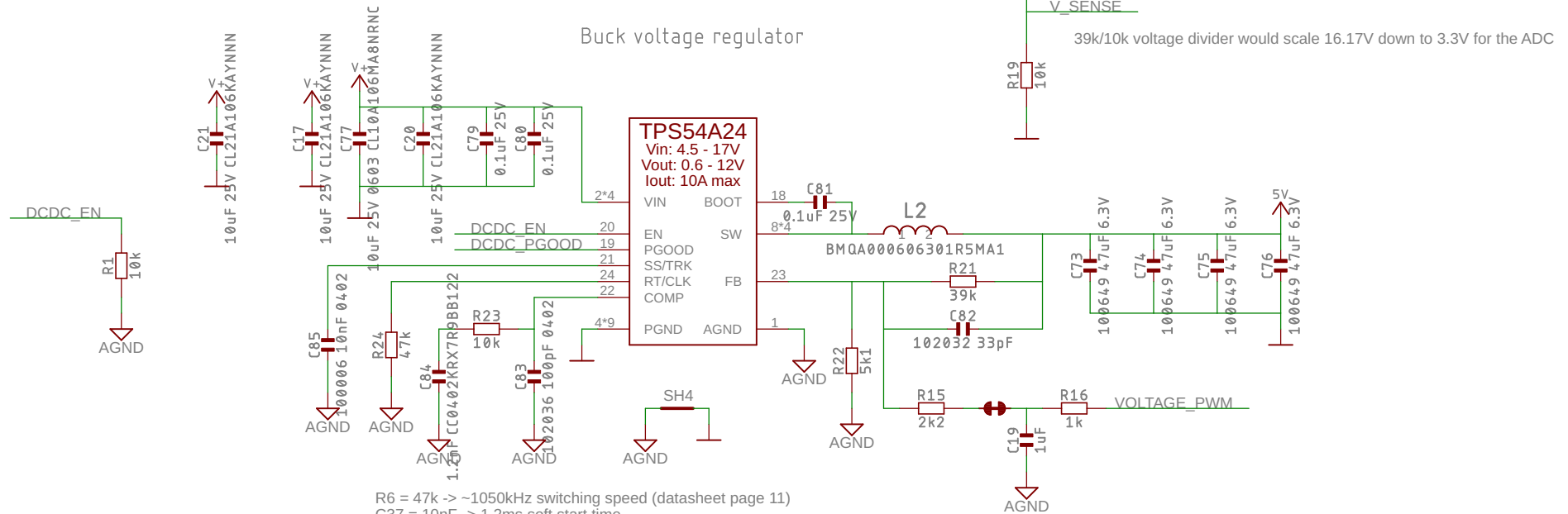
Output terminals



GPIO header



Buck voltage regulator



R6 = 47k -> ~1050kHz switching speed (datasheet page 11)
C37 = 10nF -> 1.2ms soft start time

$r1=39000; r2=5100; r3=3200; fb=0.6; c=0; (- (b-fb)/r2 - (c-fb)/r3) * r1 + fb; c=3.3; (- (b-fb)/r2 - (c-fb)/r3) * r1 + fb$
max output: 12.50V
min output: -27.71V (well, zero in reality)
R15 and R16 should total 3200ohm