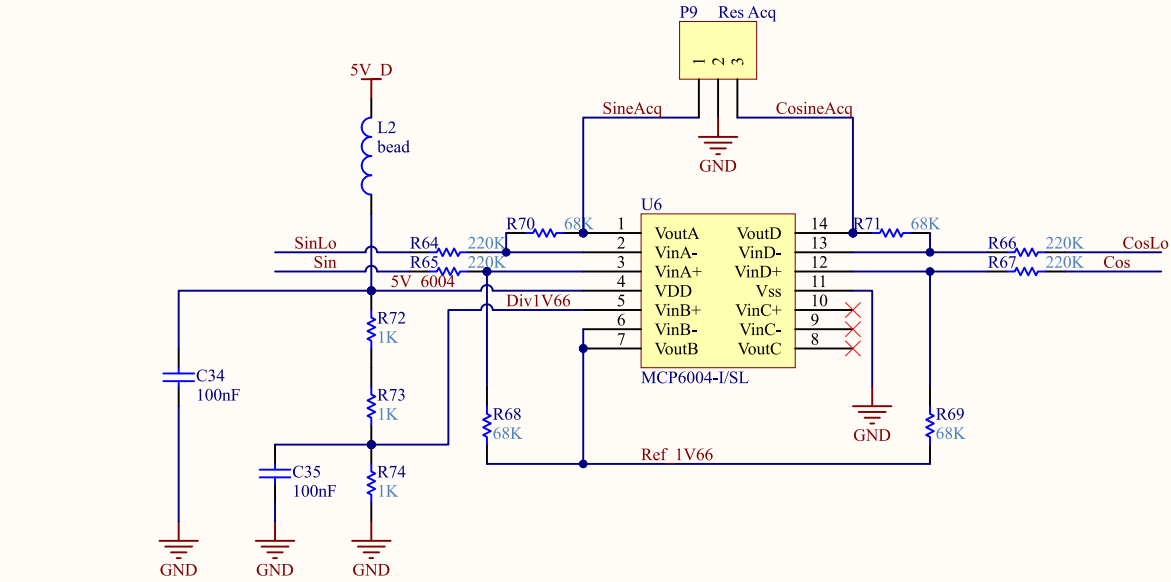
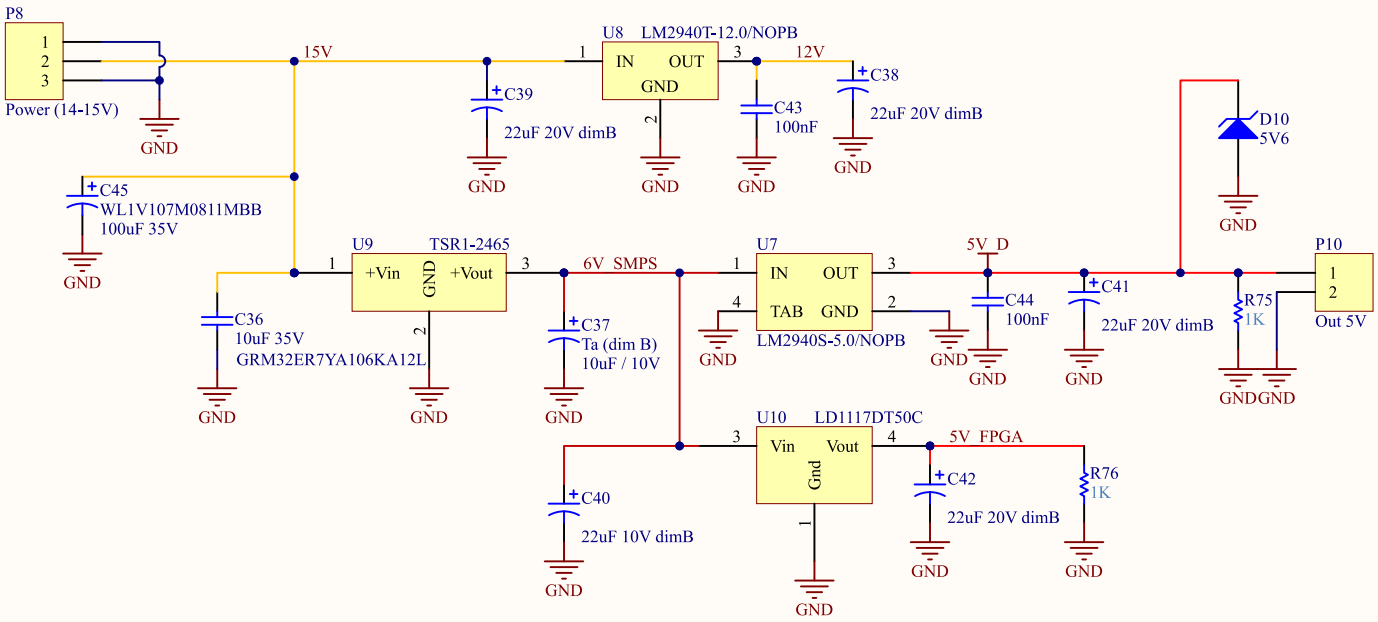

P9 Res Acq
1 2 3
5V_D
L2
bead
SineAcq
CosineAcq
GND
U6
R70 68K
R71 68K
SinLo
Sin
R64 220K
R65 220K
5V_6004
Div1V66
R66 220K
R67 220K
CosLo
Cos
VoutA
VinA-
VinA+
VDD
VinB+
VinB-
VoutB
VoutD
VinD-
VinD+
Vss
VinC+
VinC-
VoutC
MCP6004-I/SL
R72 1K
R73 1K
R74 1K
C34 100nF
C35 100nF
R68 68K
R69 68K
Ref_1V66
GND


P8
Power (14-15V)
15V
U8 LM2940T-12.0/NOPB
IN OUT GND
12V
C39 22uF 20V dimB
C43 100nF
C38 22uF 20V dimB
C45 WL1V107M0811MBB 100uF 35V
U9 TSR1-2465
+Vin GND +Vout
6V_SMPS
C36 10uF 35V GRM32ER7YA106KA12L
C37 Ta (dim B) 10uF / 10V
U7
IN OUT TAB GND
LM2940S-5.0/NOPB
5V_D
C44 100nF
C41 22uF 20V dimB
D10 5V6
P10
Out 5V
R75 1K
U10 LD1117DT50C
Vin Vout Gnd
5V_FPGA
C40 22uF 10V dimB
C42 22uF 20V dimB
R76 1K
GND