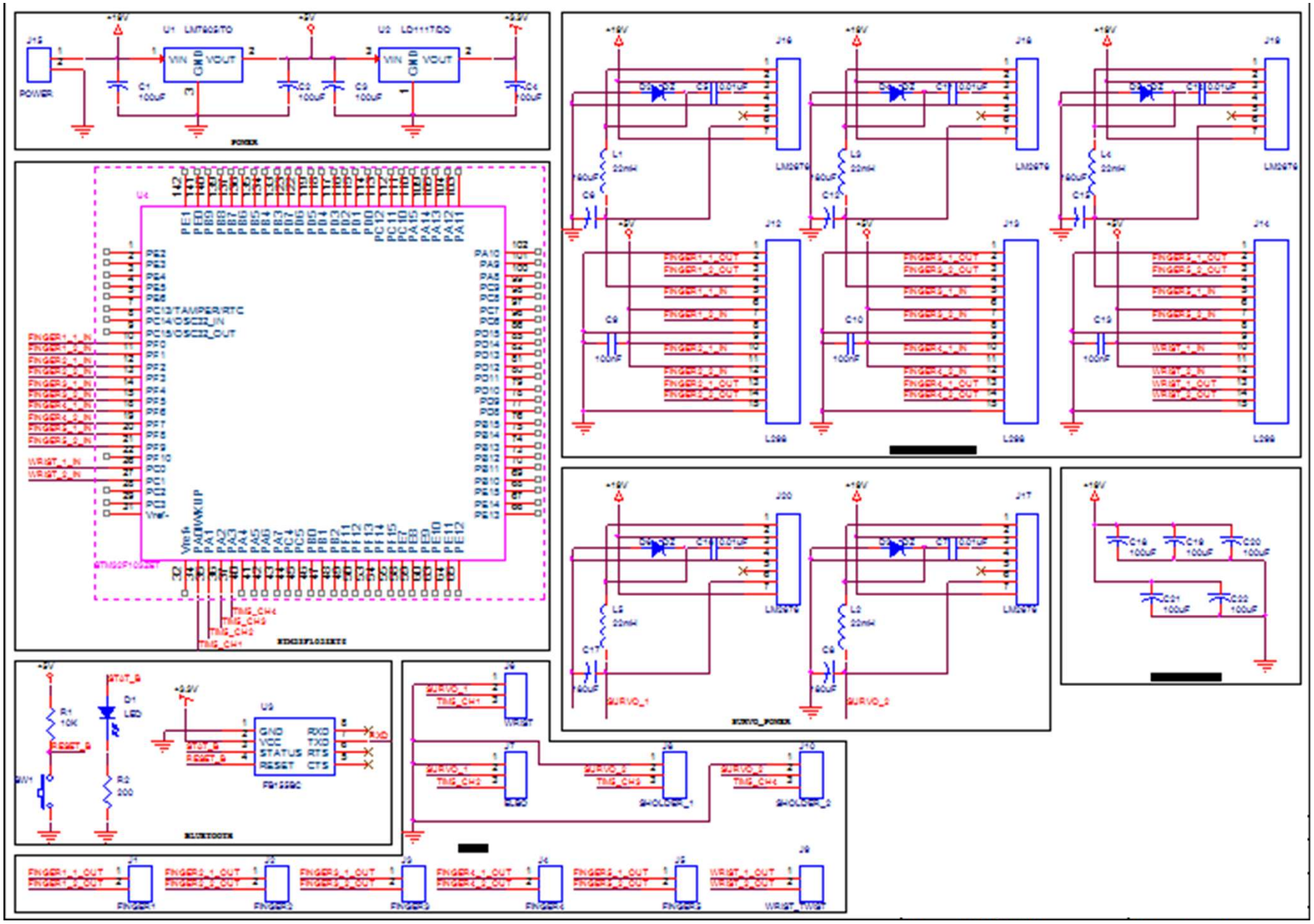
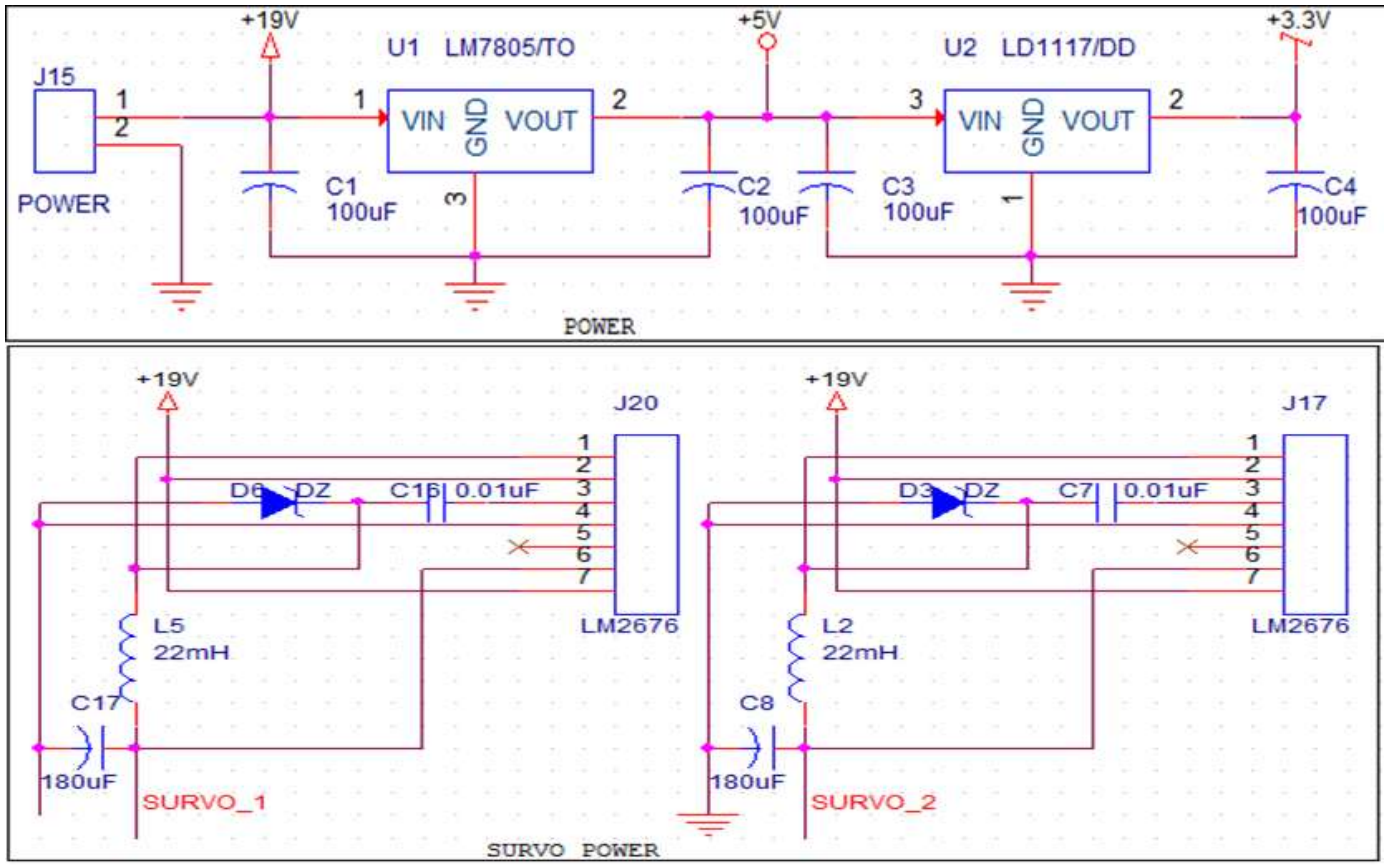
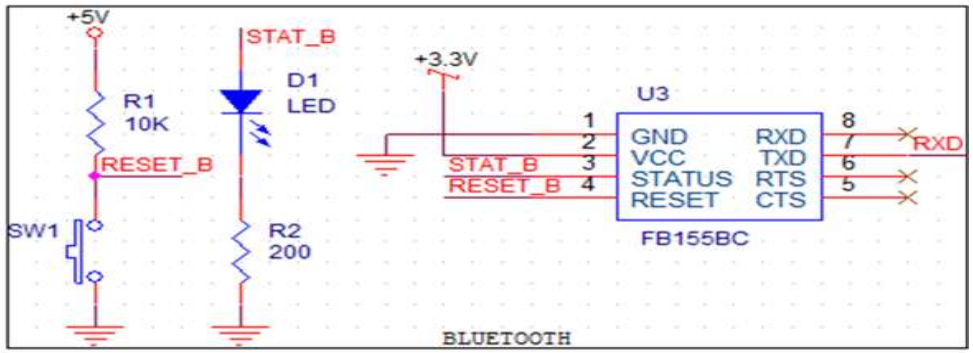
Full Schematic
for Robot side



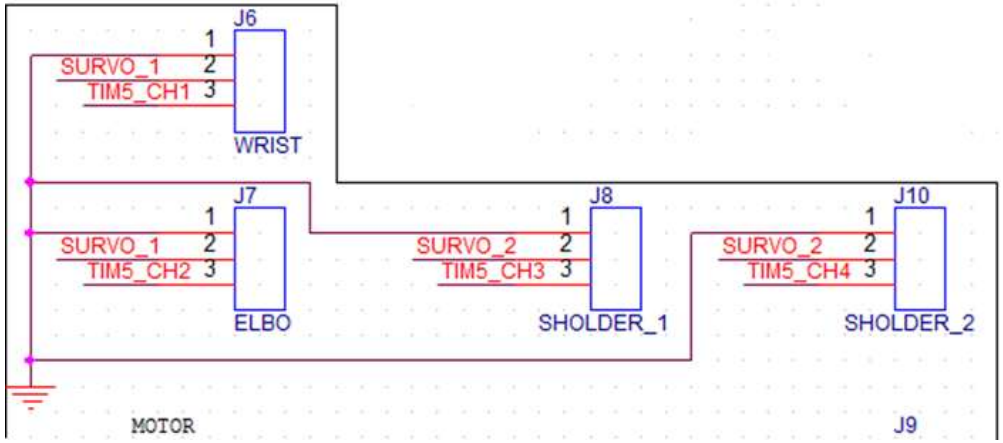
Power


+19V
U1 LM7805/TO
+5V
U2 LD1117/DD
+3.3V
J15
POWER
VIN
GND
VOUT
C1
100uF
C2
100uF
C3
100uF
C4
100uF
POWER
+19V
J20
+19V
J17
D6
DZ
C16
0.01uF
D3
DZ
C7
0.01uF
L5
22mH
L2
22mH
LM2676
LM2676
C17
C8
180uF
180uF
SURVO_1
SURVO_2
SURVO POWER

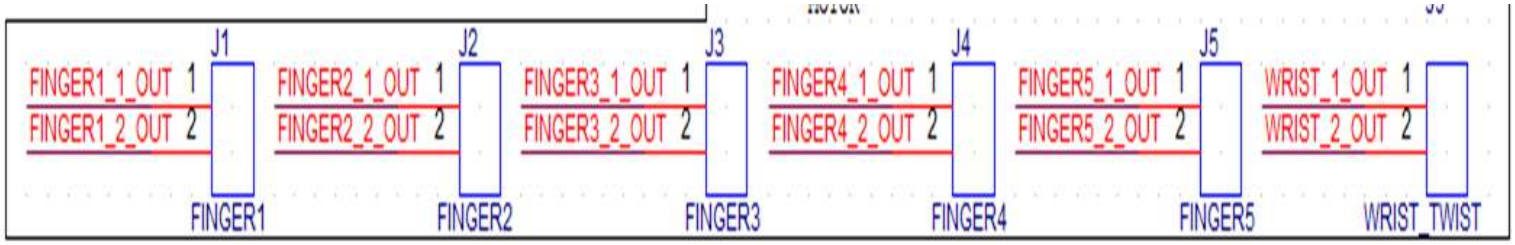
Bluetooth interface



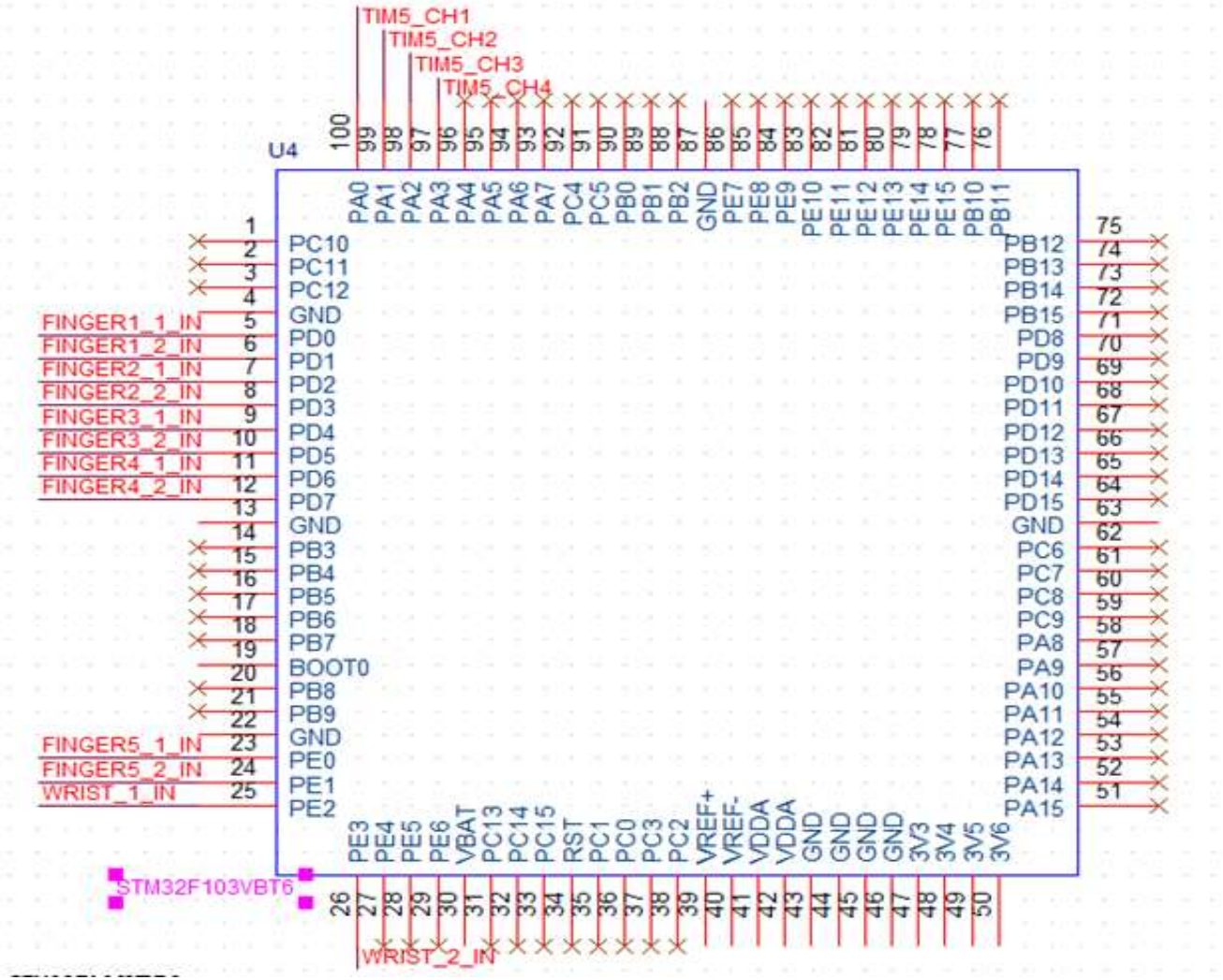
Survo motor



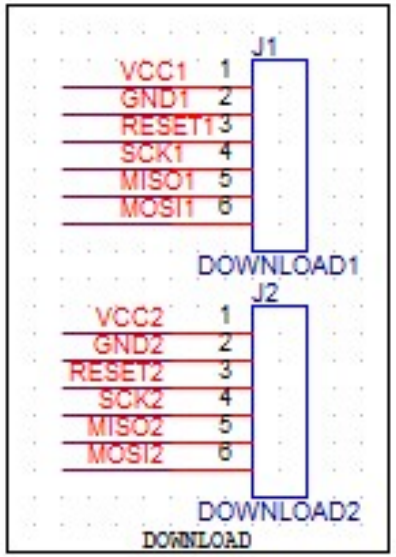
DC motor



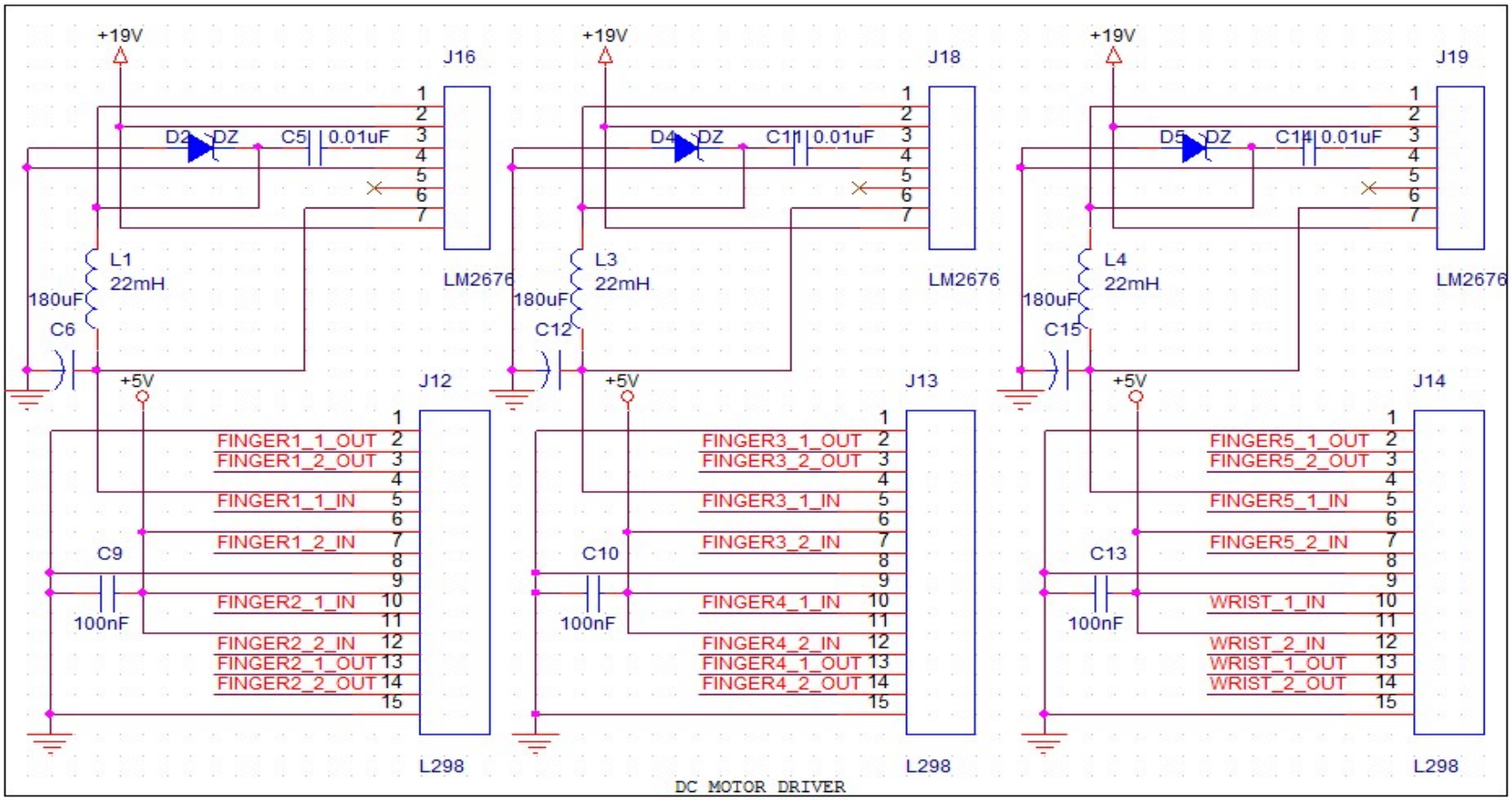
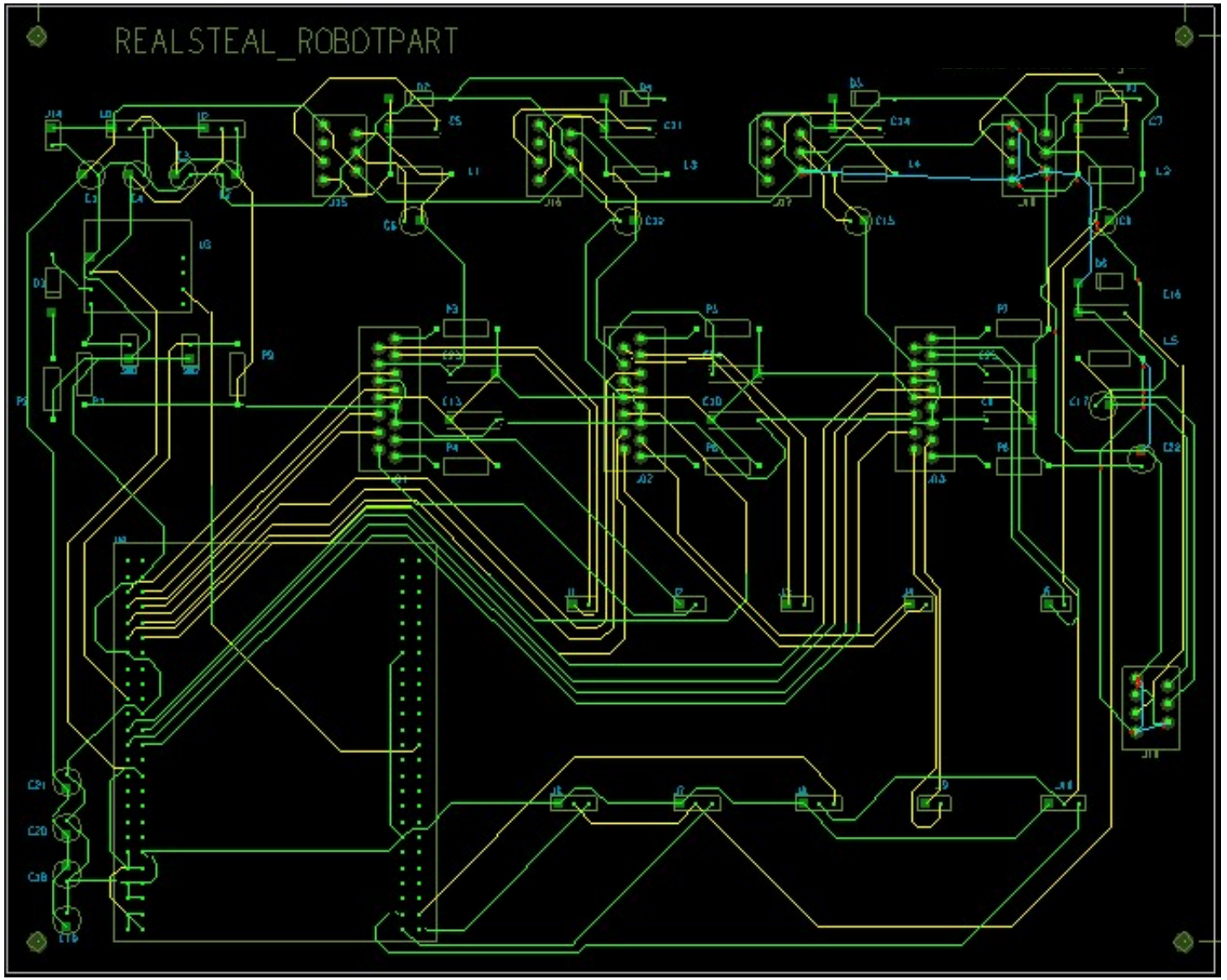
Processor



Download pins



DC Motor driver



PCB layout