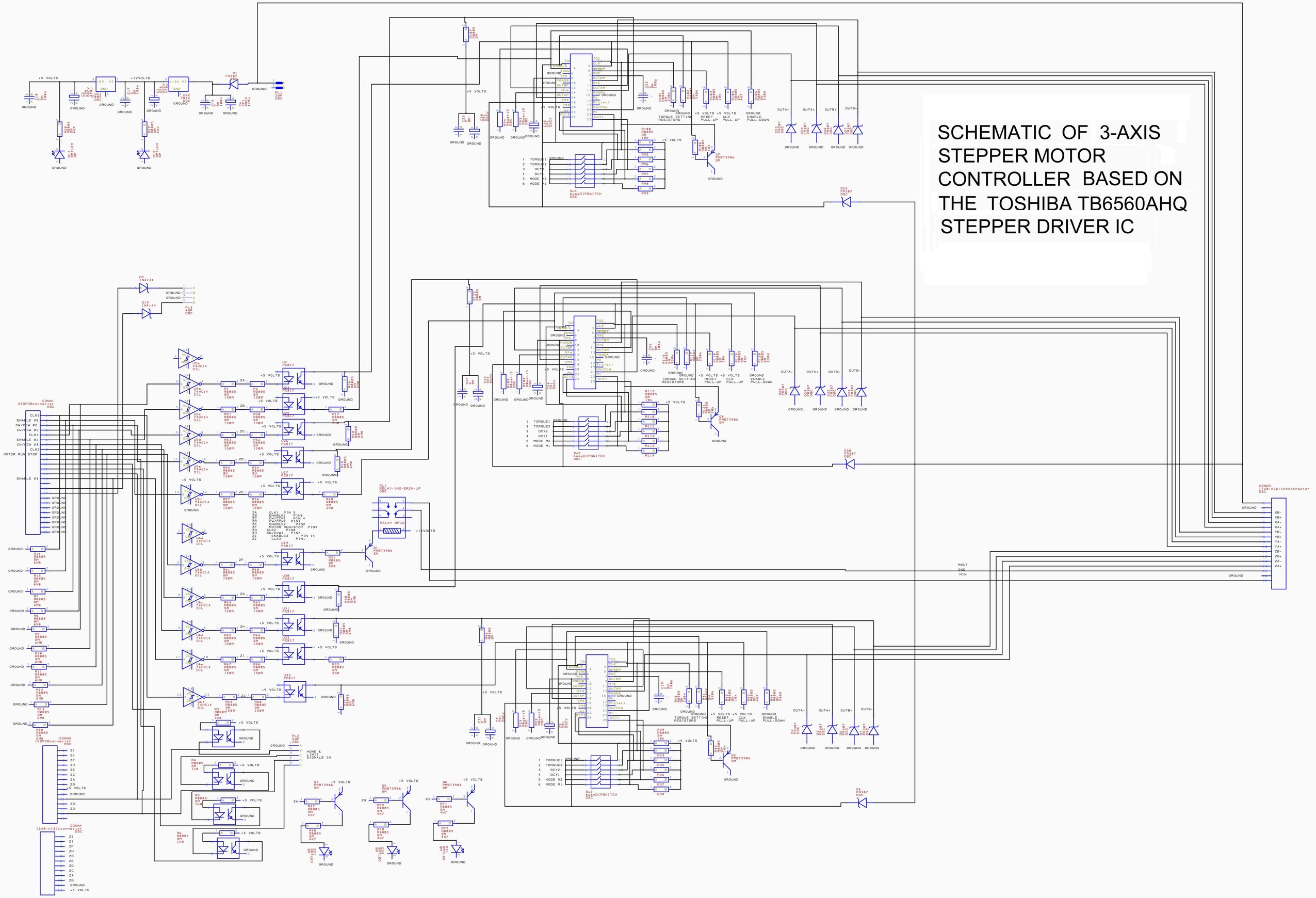
SCHEMATIC OF 3-AXIS STEPPER MOTOR CONTROLLER BASED ON THE TOSHIBA TB6560AHQ STEPPER DRIVER IC
+5 VOLTS
+12VOLTS
GROUND
TORQUE SETTING RESISTORS
+5 VOLTS RESET PULL-UP
+5 VOLTS CLK PULL-UP
GROUND ENABLE PULL-DOWN
OUTA-
OUTA+
OUTB+
OUTB-
TORQUE1
TORQUE2
DCY2
DCY1
MODE M2
MODE M1
Sw4 6wayDIPSWITCH DSC
Sw5 6wayDIPSWITCH DSC
Sw1 6wayDIPSWITCH DSC
CONN1 25DPCBconnector DSC
CLK3
ENABLE #2
CW/CCW #2
CW/CCW #1
CLK1
ENABLE #1
CW/CCW #3
CLK2
MOTOR RUN STOP
ENABLE #3
CONN2 15DPCBconnector DSC
CONN4 12x8in1SIPconnector DSC
CONN3 17x8in2SIPconnector DSC
ZJ
ZI
ZF
ZH
ZE
ZC
ZA
ZB
ZG
ZD
XB-
XB+
XA-
XA+
YB-
YB+
YA-
YA+
ZB-
ZB+
ZA-
ZA+
MOUT
GND
MIN
HOME & LIMIT SIGNALS IN
RELAY OPCO
+12VOLTS
CLK1 PIN 5
ENABLE1 PIN6
CW/CCW1 PIN 4
CW/CCW2 PIN3
CW/CCW3 PIN2
MOTOR RUN/STOP PIN9
CLK2 PIN8
ENABLE3 PIN 14
CLK3 PIN1