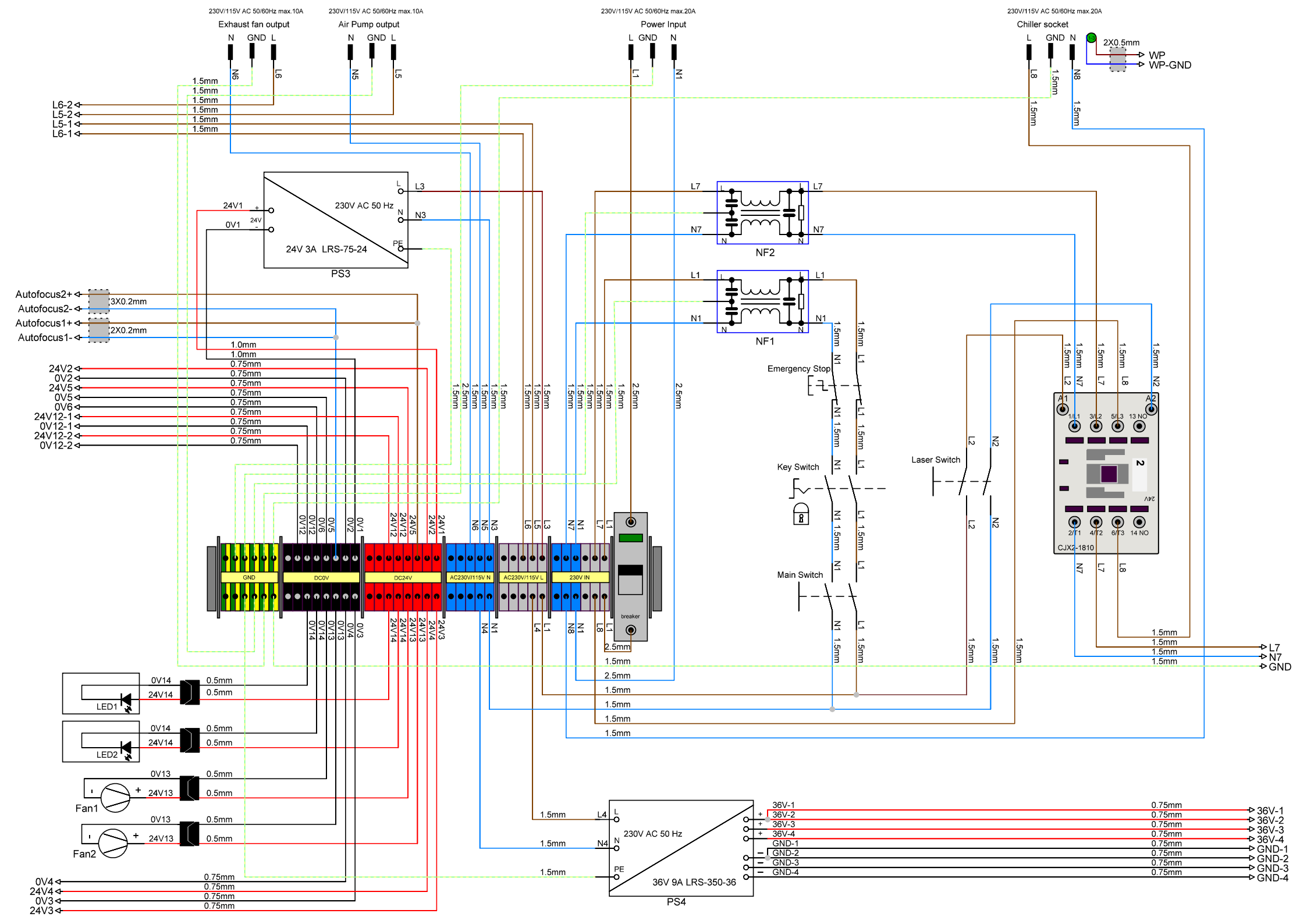
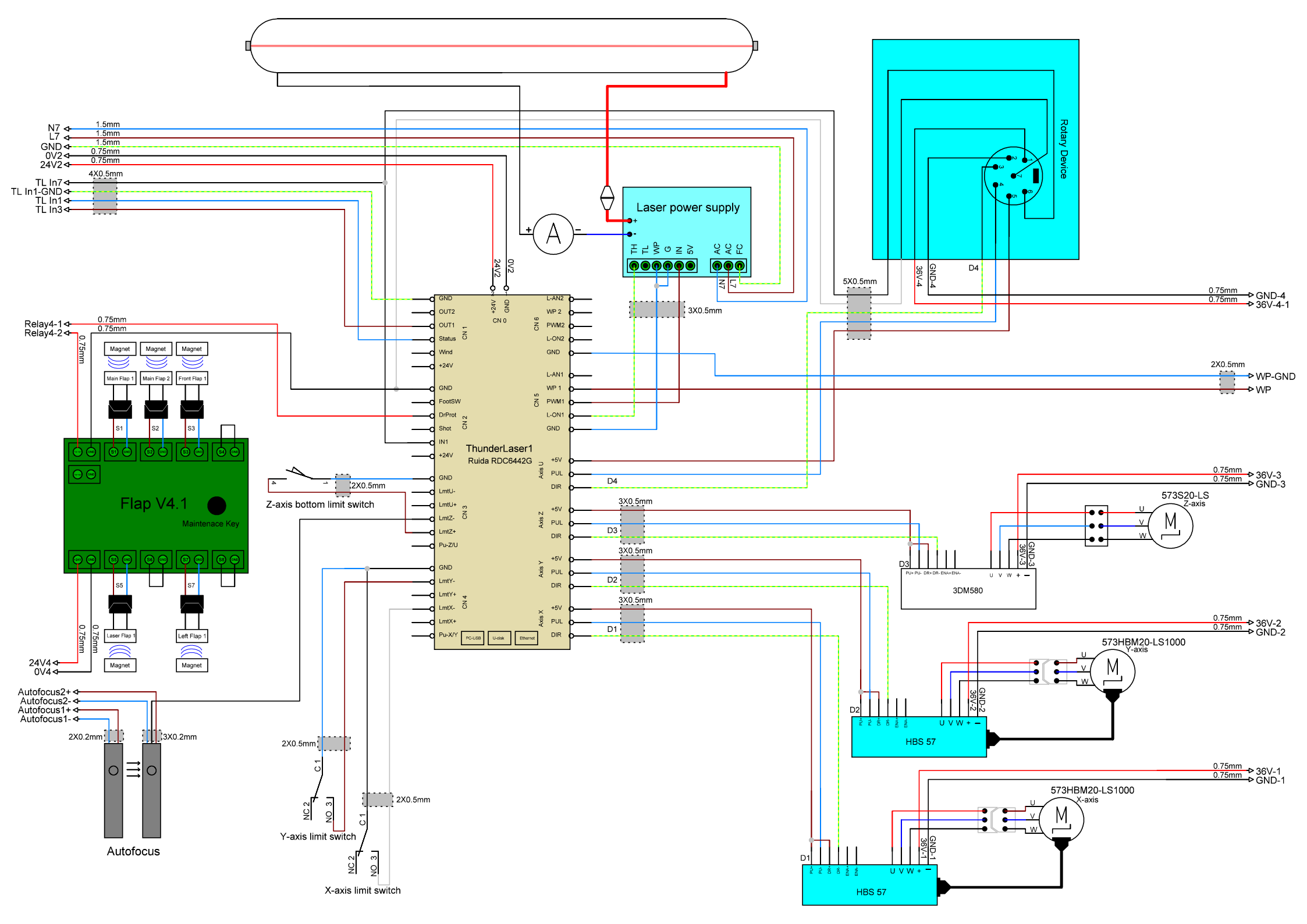
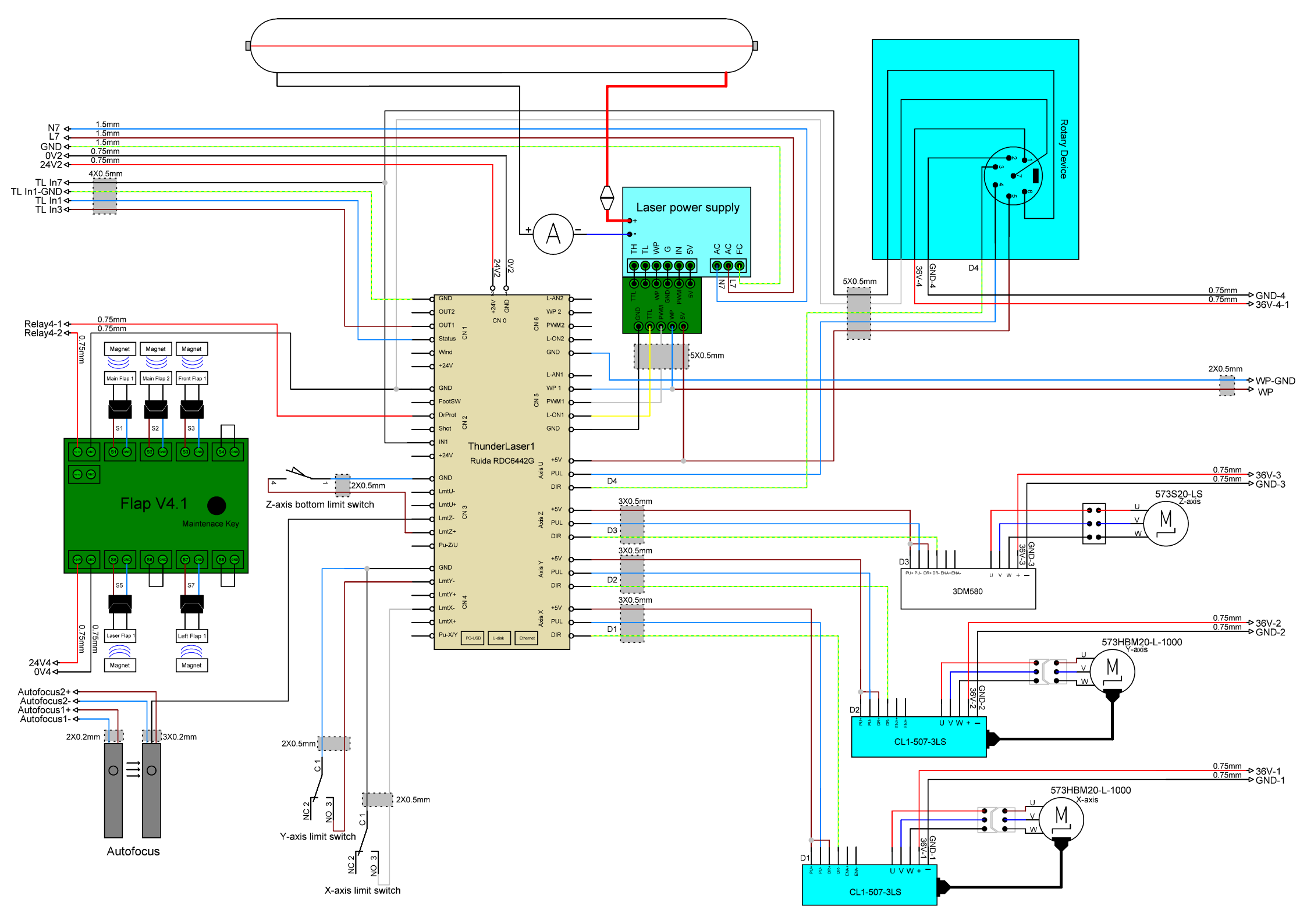
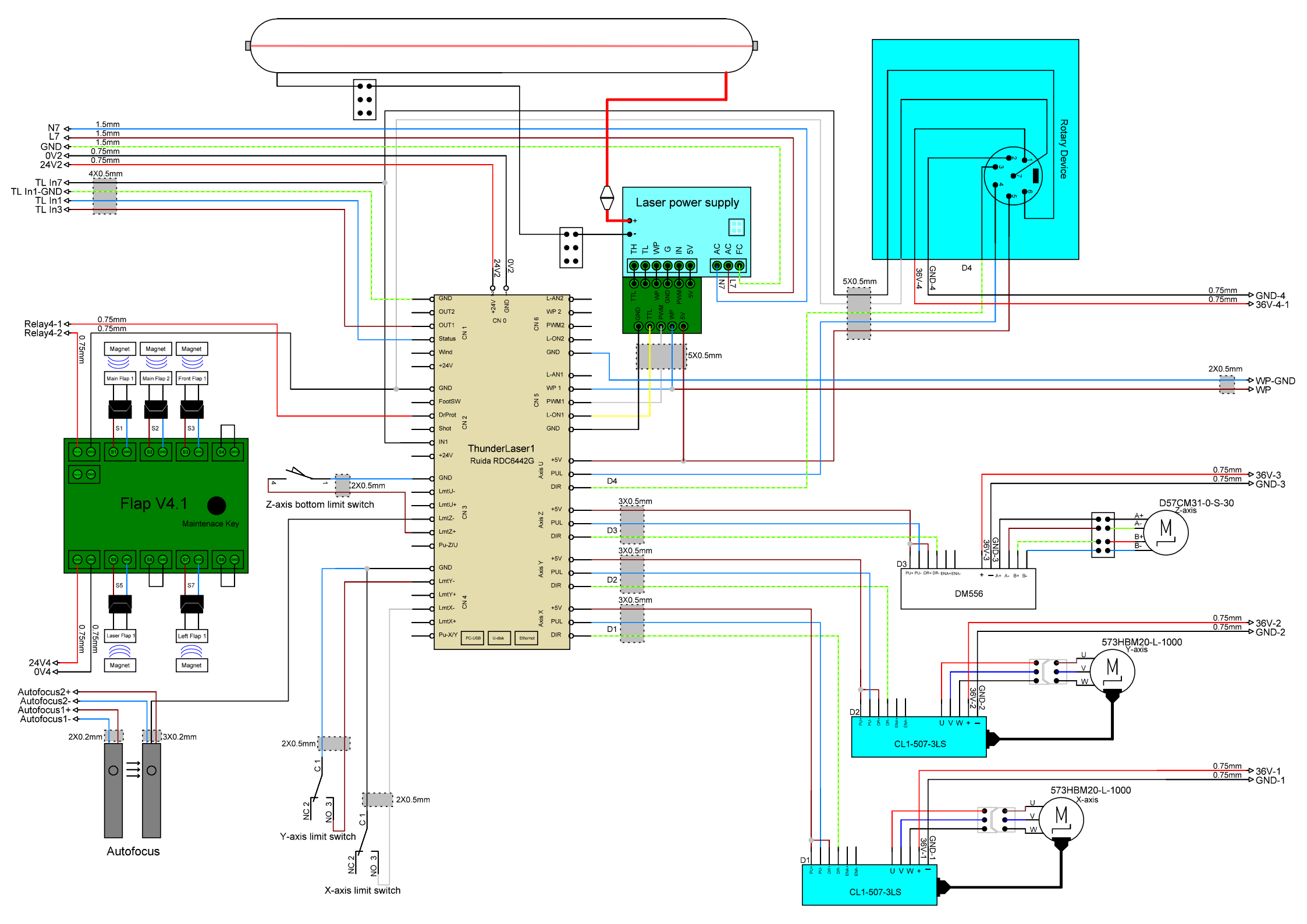
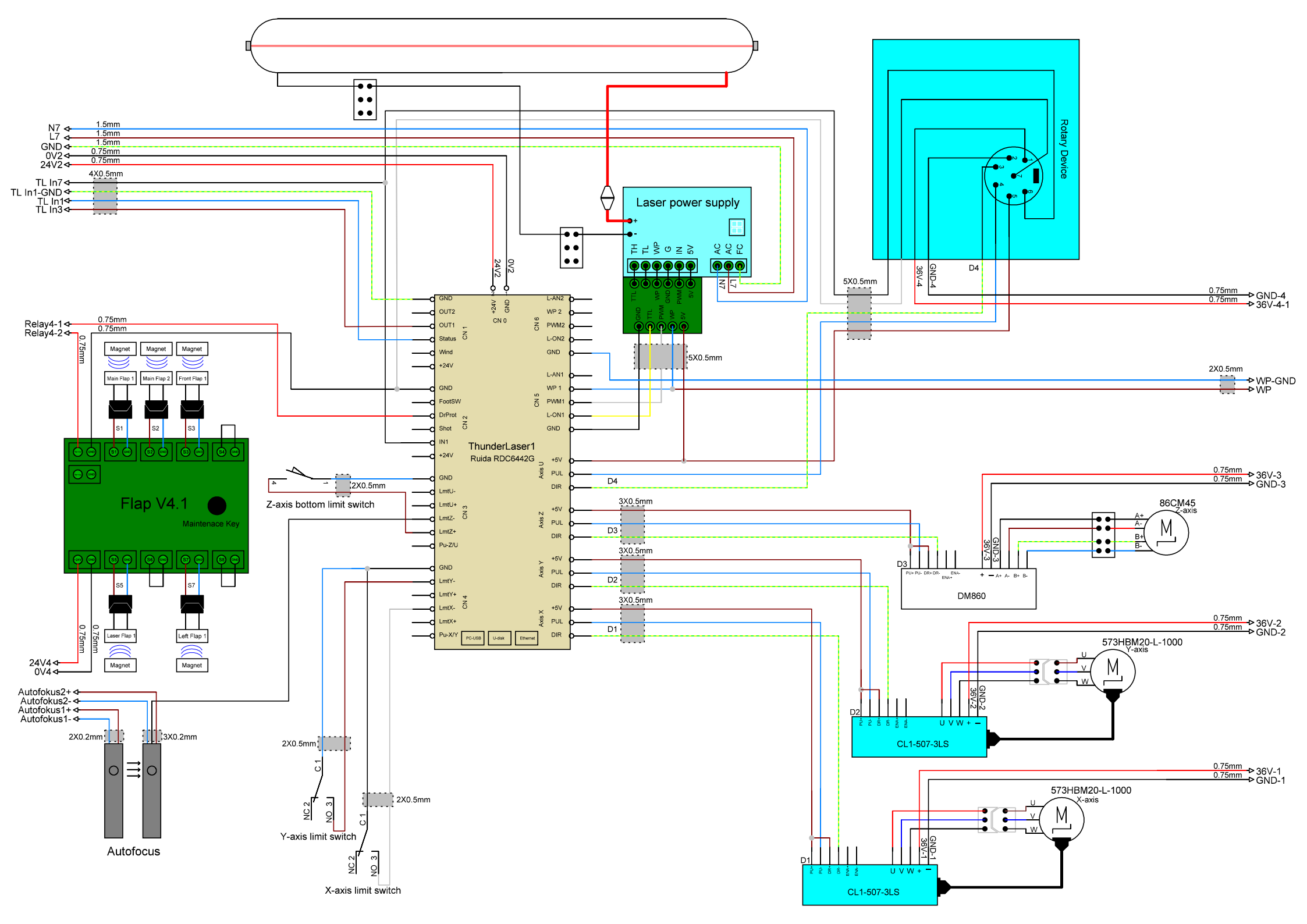
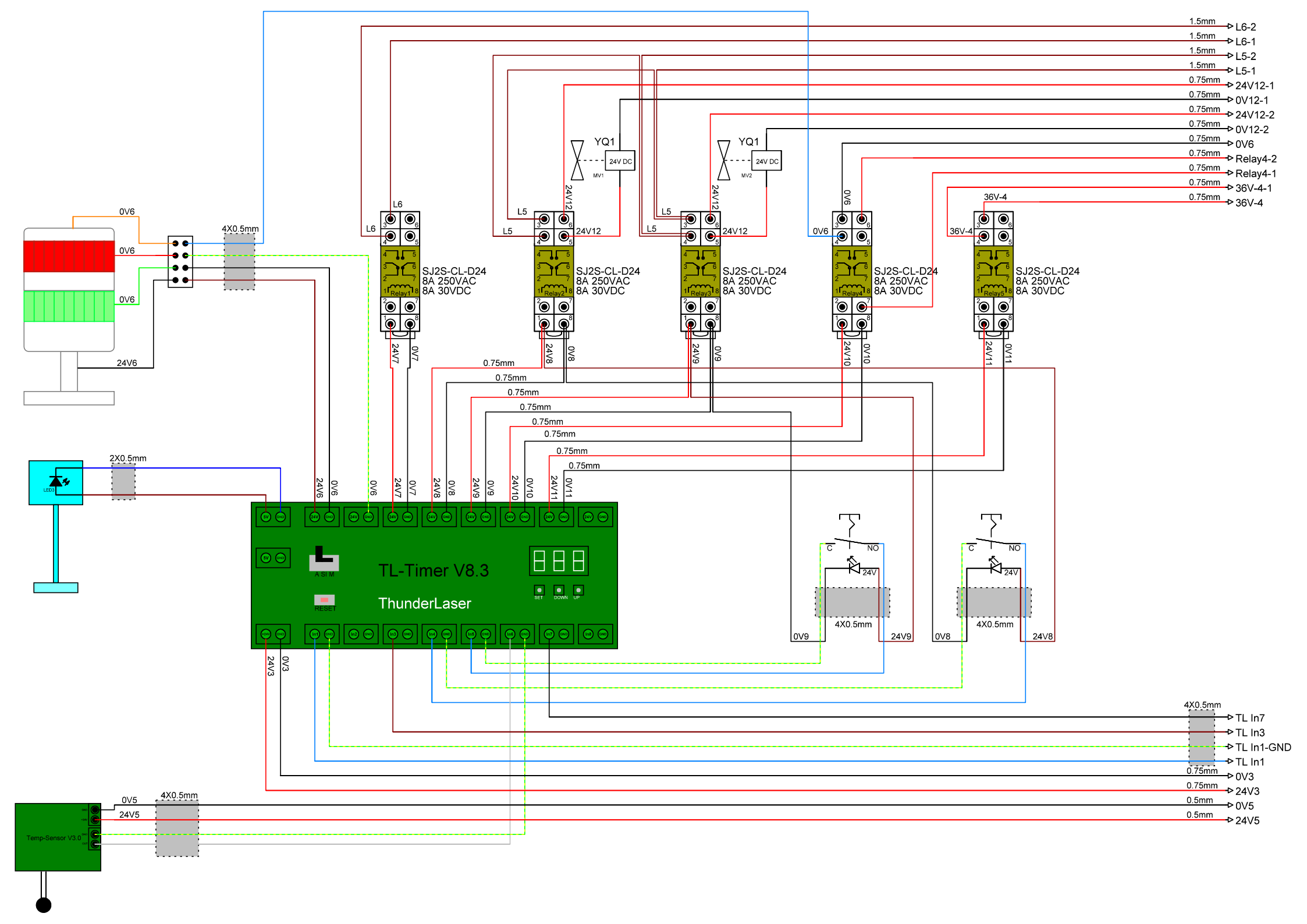

230V/115V AC 50/60Hz max.10A
Exhaust fan output
N GND L
N6 L6
230V/115V AC 50/60Hz max.10A
Air Pump output
N GND L
N5 L5
230V/115V AC 50/60Hz max.20A
Power Input
L GND N
L1 N1
230V/115V AC 50/60Hz max.20A
Chiller socket
L GND N
L8 N8
2X0.5mm
WP
WP-GND
1.5mm
L6-2
L5-2
L5-1
L6-1
PS3
24V1
0V1
24V
230V AC 50 Hz
24V 3A LRS-75-24
L3
N3
PE
NF2
NF1
L7
N7
L1
N1
Emergency Stop
Key Switch
Main Switch
Laser Switch
CJX2-1810
A1 A2
1/L1 3/L2 5/L3 13 NO
2/T1 4/T2 6/T3 14 NO
Autofocus2+
Autofocus2-
Autofocus1+
Autofocus1-
3X0.2mm
2X0.2mm
1.0mm
0.75mm
2.5mm
24V2
0V2
24V5
0V5
0V6
24V12-1
0V12-1
24V12-2
0V12-2
GND
DC0V
DC24V
AC230V/115V N
AC230V/115V L
230V IN
breaker
0V12 0V6 0V5 0V2 0V1
24V12 24V5 24V2 24V1
N6 N5 N3
L6 L5 L3
N7 N1 L7 L1
0V14 0V13 0V4 0V3
24V14 24V13 24V4 24V3
N4 N1
L4 L1
N8 N1 L8 L1
LED1
LED2
0V14
24V14
0.5mm
Fan1
Fan2
0V13
24V13
0V4
24V4
0V3
24V3
PS4
230V AC 50 Hz
36V 9A LRS-350-36
L4
N4
PE
36V-1
36V-2
36V-3
36V-4
GND-1
GND-2
GND-3
GND-4
L7
N7
GND


N7
L7
GND
0V2
24V2
TL In7
TL In1-GND
TL In1
TL In3
1.5mm
1.5mm
1.5mm
0.75mm
0.75mm
4X0.5mm
Laser power supply
TH TL WP G IN 5V
AC AC FC
Rotary Device
36V-4
GND-4
D4
5X0.5mm
0.75mm
0.75mm
GND-4
36V-4-1
3X0.5mm
2X0.5mm
WP-GND
WP
ThunderLaser1
Ruida RDC6442G
GND
OUT2
OUT1
Status
Wind
+24V
FootSW
DrProt
Shot
IN1
LmtU-
LmtU+
LmtZ-
LmtZ+
Pu-Z/U
LmtY-
LmtY+
LmtX-
LmtX+
Pu-X/Y
L-AN2
WP 2
PWM2
L-ON2
L-AN1
WP 1
PWM1
L-ON1
+5V
PUL
DIR
PC-USB
U-disk
Ethernet
Relay4-1
Relay4-2
0.75mm
0.75mm
0.75mm
Magnet
Main Flap 1
Main Flap 2
Front Flap 1
Laser Flap 1
Left Flap 1
S1
S2
S3
S5
S7
Flap V4.1
Maintenace Key
24V4
0V4
Z-axis bottom limit switch
2X0.5mm
D4
3X0.5mm
D3
3X0.5mm
D2
3X0.5mm
D1
573S20-LS
Z-axis
3DM580
0.75mm
0.75mm
36V-3
GND-3
573HBM20-LS1000
Y-axis
HBS 57
0.75mm
0.75mm
36V-2
GND-2
573HBM20-LS1000
X-axis
HBS 57
0.75mm
0.75mm
36V-1
GND-1
Autofocus2+
Autofocus2-
Autofocus1+
Autofocus1-
2X0.2mm
3X0.2mm
Autofocus
2X0.5mm
C 1
NC 2
NO 3
Y-axis limit switch
2X0.5mm
C 1
NC 2
NO 3
X-axis limit switch


N7
L7
GND
0V2
24V2
TL In7
TL In1-GND
TL In1
TL In3
1.5mm
1.5mm
1.5mm
0.75mm
0.75mm
4X0.5mm
Laser power supply
TH TL WP G IN 5V
AC AC FC
Rotary Device
D4
36V-4
GND-4
5X0.5mm
0.75mm
0.75mm
GND-4
36V-4-1
2X0.5mm
WP-GND
WP
Relay4-1
Relay4-2
0.75mm
0.75mm
Magnet
Main Flap 1
Main Flap 2
Front Flap 1
S1
S2
S3
Flap V4.1
Maintenace Key
S5
S7
Laser Flap 1
Left Flap 1
24V4
0V4
ThunderLaser1
Ruida RDC6442G
GND
OUT2
OUT1
Status
Wind
+24V
FootSW
DrProt
Shot
IN1
LmtU-
LmtU+
LmtZ-
LmtZ+
Pu-Z/U
LmtY-
LmtY+
LmtX-
LmtX+
Pu-X/Y
L-AN2
WP 2
PWM2
L-ON2
L-AN1
WP 1
PWM1
L-ON1
+5V
PUL
DIR
Axis U
Axis Z
Axis Y
Axis X
CN 0
CN 1
CN 2
CN 3
CN 4
CN 5
CN 6
PC-USB
U-disk
Ethernet
Z-axis bottom limit switch
2X0.5mm
3X0.5mm
D3
D2
D1
573S20-LS
Z-axis
3DM580
573HBM20-L-1000
Y-axis
CL1-507-3LS
573HBM20-L-1000
X-axis
CL1-507-3LS
0.75mm
36V-3
GND-3
0.75mm
36V-2
GND-2
0.75mm
36V-1
GND-1
Autofocus2+
Autofocus2-
Autofocus1+
Autofocus1-
2X0.2mm
3X0.2mm
Autofocus
2X0.5mm
C 1
NC 2
NO 3
Y-axis limit switch
X-axis limit switch


N7
L7
GND
0V2
24V2
1.5mm
1.5mm
1.5mm
0.75mm
0.75mm
4X0.5mm
TL In7
TL In1-GND
TL In1
TL In3
Laser power supply
TH TL WP G IN 5V
AC AC FC
Rotary Device
D4
5X0.5mm
36V-4
GND-4
0.75mm
0.75mm
GND-4
36V-4-1
2X0.5mm
WP-GND
WP
ThunderLaser1
Ruida RDC6442G
GND
OUT2
OUT1
Status
Wind
+24V
FootSW
DrProt
Shot
IN1
LmtU-
LmtU+
LmtZ-
LmtZ+
Pu-Z/U
LmtY-
LmtY+
LmtX-
LmtX+
Pu-X/Y
L-AN2
WP 2
PWM2
L-ON2
L-AN1
WP 1
PWM1
L-ON1
+5V
PUL
DIR
Axis U
Axis Z
Axis Y
Axis X
CN 0
CN 1
CN 2
CN 3
CN 4
CN 5
CN 6
PC-USB
U-disk
Ethernet
Relay4-1
Relay4-2
0.75mm
0.75mm
0.75mm
Magnet
Main Flap 1
Main Flap 2
Front Flap 1
S1
S2
S3
Flap V4.1
Maintenace Key
S5
S7
Laser Flap 1
Left Flap 1
24V4
0V4
Z-axis bottom limit switch
2X0.5mm
3X0.5mm
D3
D2
D1
D4
DM556
D57CM31-0-S-30
Z-axis
A+
A-
B+
B-
36V-3
GND-3
0.75mm
0.75mm
36V-3
GND-3
573HBM20-L-1000
Y-axis
U
V
W
CL1-507-3LS
36V-2
GND-2
0.75mm
0.75mm
36V-2
GND-2
573HBM20-L-1000
X-axis
CL1-507-3LS
36V-1
GND-1
0.75mm
0.75mm
36V-1
GND-1
Autofocus2+
Autofocus2-
Autofocus1+
Autofocus1-
2X0.2mm
3X0.2mm
Autofocus
2X0.5mm
C 1
NC 2
NO 3
Y-axis limit switch
X-axis limit switch


Rotary Device
Laser power supply
TH TL WP G IN 5V
AC AC FC
N7 L7
GND 0V2 24V2
1.5mm
1.5mm
1.5mm
0.75mm
0.75mm
4X0.5mm
TL In7
TL In1-GND
TL In1
TL In3
5X0.5mm
0.75mm
0.75mm
GND-4
36V-4-1
2X0.5mm
WP-GND
WP
Relay4-1
Relay4-2
0.75mm
0.75mm
0.75mm
Magnet
Main Flap 1
Main Flap 2
Front Flap 1
S1
S2
S3
Flap V4.1
Maintenace Key
S5
S7
Laser Flap 1
Left Flap 1
24V4
0V4
ThunderLaser1
Ruida RDC6442G
CN 0
CN 1
CN 2
CN 3
CN 4
CN 5
CN 6
GND
OUT2
OUT1
Status
Wind
+24V
FootSW
DrProt
Shot
IN1
LmtU-
LmtU+
LmtZ-
LmtZ+
Pu-Z/U
LmtY-
LmtY+
LmtX-
LmtX+
Pu-X/Y
L-AN2
WP 2
PWM2
L-ON2
L-AN1
WP 1
PWM1
L-ON1
Axis U
Axis Z
Axis Y
Axis X
+5V
PUL
DIR
PC-USB
U-disk
Ethernet
Z-axis bottom limit switch
2X0.5mm
D4
D3
D2
D1
3X0.5mm
86CM45
Z-axis
A+
A-
B+
B-
DM860
0.75mm
36V-3
GND-3
573HBM20-L-1000
Y-axis
CL1-507-3LS
36V-2
GND-2
X-axis
36V-1
GND-1
U V W
Autofokus2+
Autofokus2-
Autofokus1+
Autofokus1-
2X0.2mm
3X0.2mm
Autofocus
C 1
NC 2
NO 3
Y-axis limit switch
X-axis limit switch


TL-Timer V8.3
ThunderLaser
SJ2S-CL-D24
8A 250VAC
8A 30VDC
YQ1
24V DC
MV1
MV2
Temp-Sensor V3.0
LED3
RESET
SET
DOWN
UP
C
NO
24V
4X0.5mm
2X0.5mm
0.5mm
0.75mm
1.5mm
L6-2
L6-1
L5-2
L5-1
24V12-1
0V12-1
24V12-2
0V12-2
0V6
Relay4-2
Relay4-1
36V-4-1
36V-4
TL In7
TL In3
TL In1-GND
TL In1
0V3
24V3
0V5
24V5