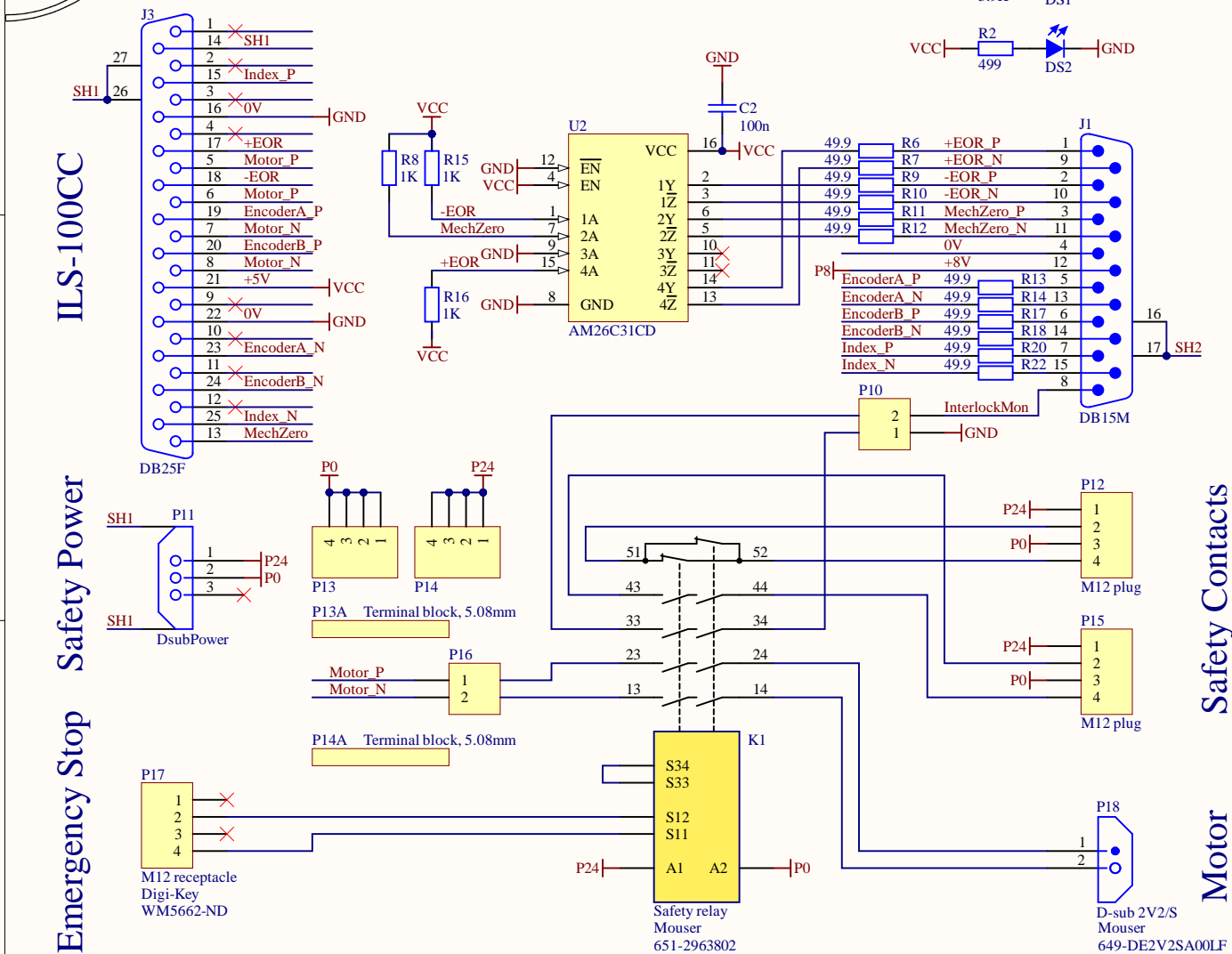




ILS-100CC

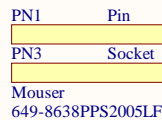
Safety Power

Emergency Stop



Motor side

Connect shield of motor supply on this side.
8V supply is 200mA max.
Twist hook-up wires for supplies.

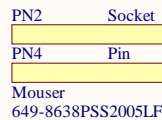


Conrtols Interface

N.C.

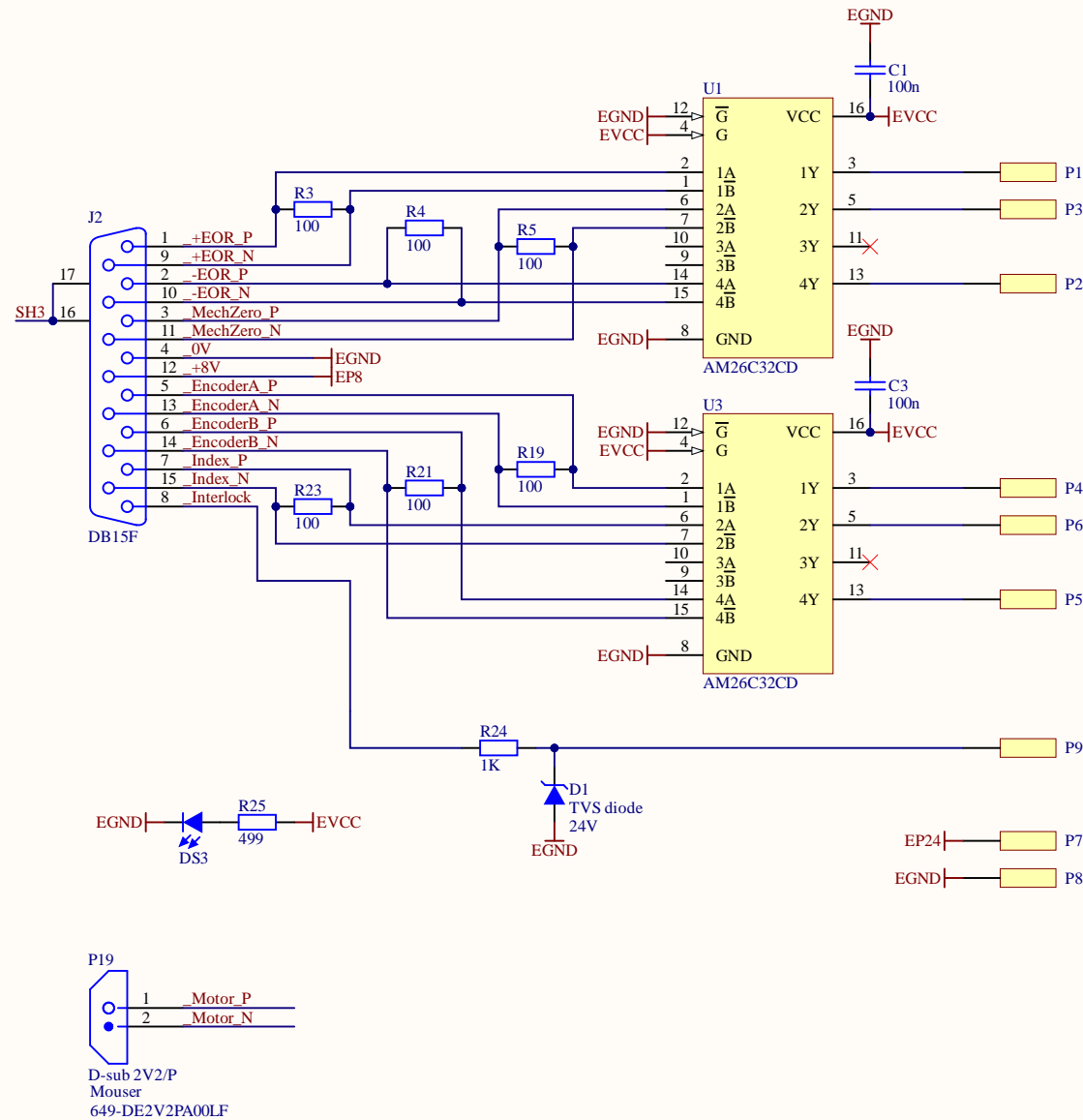
N.O.

Motor Supply



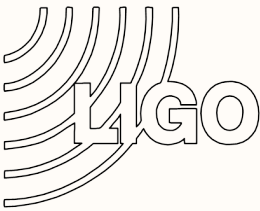
P19/1: Motor A/B A1
P19/2: Motor A/B A2
P3: Input 1/2 I1/I2
P4: Encoder A/B Phase A
P5: Encoder A/B Phase B
P7: +24V supply, positive
P8: +24V supply, ground
P9: Interlock monitor

EtherCAT

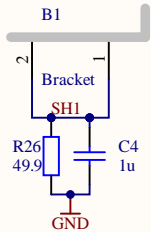


EtherCAT side

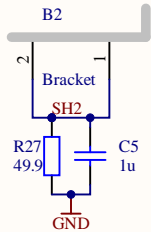
Title		
EtherCAT Linear Stage Interface		
Size	Number	Revision
B	D2500151	1
Date:	5/13/2025	Sheet 1 of 2
File:	C:\Users\...\EtherCAT_LinearStage1.SchDoc	Drawn By: Daniel Sigg



H1 #4 screw, 3/8"
H4 #4 screw, 3/8"
McMaster-Carr 90272A108
H7 #4 lock washer
H10 #4 lock washer
McMaster-Carr 91113A005
H13 #4 nut
H16 #4 nut
McMaster-Carr 90480A005



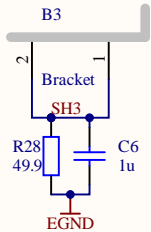
H2 #4 screw, 3/8"
H5 #4 screw, 3/8"
McMaster-Carr 90272A108
H8 #4 lock washer
H11 #4 lock washer
McMaster-Carr 91113A005
H14 #4 nut
H17 #4 nut
McMaster-Carr 90480A005



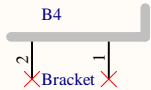
M1
Front panel LIGO D2500154-v1
M2
Rear panel LIGO D2500152-v1
M3
Bottom panel LIGO D1300173-v1
M4
Top panel LIGO D1300174-v1
M5

M2
Front panel, rack-mountable LIGO D2500153-v1
Alternate

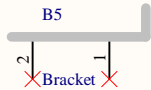
H3 #4 screw, 3/8"
H6 #4 screw, 3/8"
McMaster-Carr 90272A108
H9 #4 lock washer
H12 #4 lock washer
McMaster-Carr 91113A005
H15 #4 nut
H18 #4 nut
McMaster-Carr 90480A005



H19 #4 screw, 3/8"
H23 #4 screw, 3/8"
McMaster-Carr 90272A108
H27 #4 lock washer
H31 #4 lock washer
McMaster-Carr 91113A005
H35 #4 nut
H38 #4 nut
McMaster-Carr 90480A005



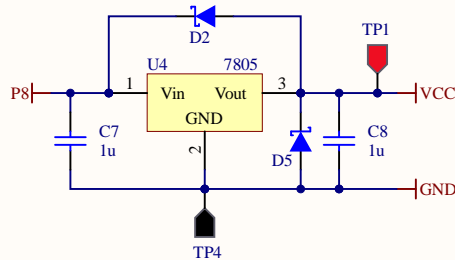
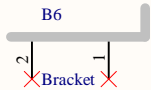
H20 #4 screw, 3/8"
H24 #4 screw, 3/8"
McMaster-Carr 90272A108
H28 #4 lock washer
H32 #4 lock washer
McMaster-Carr 91113A005
H36 #4 nut
H39 #4 nut
McMaster-Carr 90480A005



M6
Mounting panel LIGO D1300175-v1
M7
Housing brackets Frontpanel Express GGWS0111

H21
Standoff M3x22mm
H26
Standoff M3x22mm
H29
Standoff M3x22mm
H34
Standoff M3x22mm
Mouser 855-R30-1002202

H22 #4 screw, 3/8"
H25 #4 screw, 3/8"
McMaster-Carr 90272A108
H30 #4 lock washer
H33 #4 lock washer
McMaster-Carr 91113A005
H37 #4 nut
H40 #4 nut
McMaster-Carr 90480A005

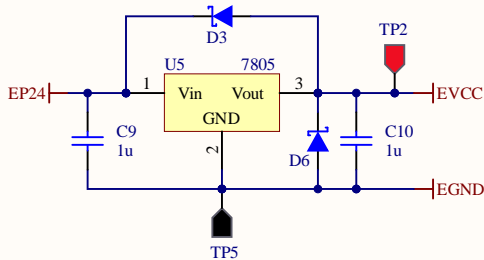


U4_B heatsink

H43 #4 screw, 3/8"
H46 #4 lock washer
H49 #4 nut

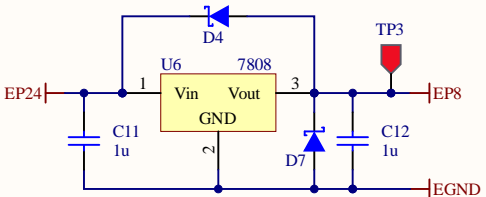
M8
Housing profile 1 Frontpanel Express GLGP2011-200mm
M9
Housing profile 1 Frontpanel Express GLGP2011-200mm

M10
Assembly kit ISP/B3.0-NI DIN 7982, nickel-plated Frontpanel Express GGMS1112
M11
Screw packet M3x6-965-NI DIN 965, nickel-plated Frontpanel Express GGRB2306



U5_B heatsink

H41 #4 screw, 3/8"
H44 #4 lock washer
H47 #4 nut



U6_B heatsink

H42 #4 screw, 3/8"
H45 #4 lock washer
H48 #4 nut

Title EtherCAT Linear Stage Interface		
Size B	Number D2500151	Revision 1
Date:	5/13/2025	Sheet 2 of 2
File:	C:\Users\...\EtherCAT_LinearStage2.SchDoc	Drawn By: Daniel Sigg

