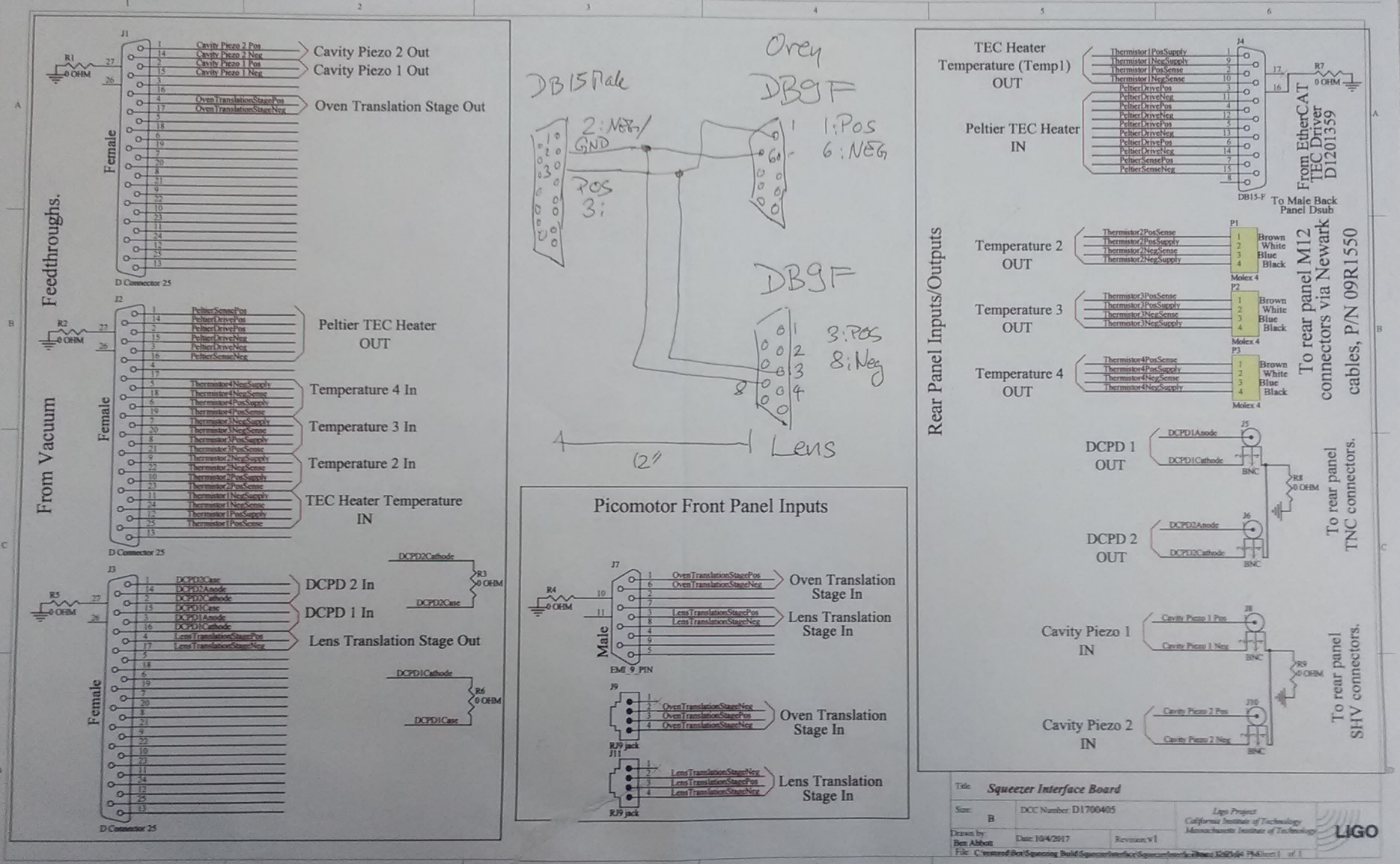
Feedthroughs.
From Vacuum
J1
Female
D Connector 25
Cavity Piezo 1 Pos
Cavity Piezo 1 Neg
Cavity Piezo 2 Pos
Cavity Piezo 2 Neg
Cavity Piezo 2 Out
Cavity Piezo 1 Out
OvenTranslationStagePos
OvenTranslationStageNeg
Oven Translation Stage Out
R1 0 OHM
J2
Female
D Connector 25
PeltierSensePos
PeltierDrivePos
PeltierDriveNeg
PeltierSenseNeg
Peltier TEC Heater OUT
R2 0 OHM
Thermistor4NegSupply
Thermistor4NegSense
Thermistor4PosSupply
Thermistor4PosSense
Temperature 4 In
Thermistor3NegSupply
Thermistor3NegSense
Thermistor3PosSupply
Thermistor3PosSense
Temperature 3 In
Thermistor2NegSupply
Thermistor2NegSense
Thermistor2PosSupply
Thermistor2PosSense
Temperature 2 In
Thermistor1NegSupply
Thermistor1NegSense
Thermistor1PosSupply
Thermistor1PosSense
TEC Heater Temperature IN
J3
Female
D Connector 25
DCPD2Case
DCPD2Anode
DCPD2Cathode
DCPD1Case
DCPD1Anode
DCPD1Cathode
LensTranslationStagePos
LensTranslationStageNeg
DCPD 2 In
DCPD 1 In
Lens Translation Stage Out
R5 0 OHM
R3 0 OHM
R6 0 OHM
DB15Male
Orey
DB9F
2:NEG/ GND
POS 3:
1:Pos
6:NEG
DB9F
3:POS
8:Neg
12"
Lens
Picomotor Front Panel Inputs
J7
Male
EMI_9_PIN
R4 0 OHM
OvenTranslationStagePos
OvenTranslationStageNeg
Oven Translation Stage In
LensTranslationStagePos
LensTranslationStageNeg
Lens Translation Stage In
J9
RJ9 jack
Oven Translation Stage In
J11
RJ9 jack
Lens Translation Stage In
Rear Panel Inputs/Outputs
J4
DB15-F
Thermistor1PosSupply
Thermistor1NegSupply
Thermistor1PosSense
Thermistor1NegSense
PeltierDrivePos
PeltierDriveNeg
PeltierSensePos
PeltierSenseNeg
TEC Heater Temperature (Temp1) OUT
Peltier TEC Heater IN
R7 0 OHM
From EtherCAT TEC Driver D1201359
To Male Back Panel Dsub
P1
P2
P3
Molex 4
Thermistor2PosSense
Thermistor2PosSupply
Thermistor2NegSense
Thermistor2NegSupply
Thermistor3PosSense
Thermistor3PosSupply
Thermistor3NegSense
Thermistor3NegSupply
Thermistor4PosSense
Thermistor4PosSupply
Thermistor4NegSense
Thermistor4NegSupply
Brown
White
Blue
Black
Temperature 2 OUT
Temperature 3 OUT
Temperature 4 OUT
To rear panel M12 connectors via Newark cables, P/N 09R1550
J5
J6
BNC
DCPD1Anode
DCPD1Cathode
DCPD2Anode
DCPD2Cathode
DCPD 1 OUT
DCPD 2 OUT
R8 0 OHM
To rear panel TNC connectors.
J8
J10
Cavity Piezo 1 Pos
Cavity Piezo 1 Neg
Cavity Piezo 2 Pos
Cavity Piezo 2 Neg
Cavity Piezo 1 IN
Cavity Piezo 2 IN
R9 0 OHM
To rear panel SHV connectors.
Title: Squeezer Interface Board
Size: B
DCC Number: D1700405
Ligo Project
California Institute of Technology
Massachusetts Institute of Technology
Drawn by: Ben Abbott
Date: 10/4/2017
Revision: v1
File: C:\users\Ben\Squeezing Build\Squeezer\Interface\Squeezer Interface Board 10202017.PcbDoc
Sheet 1 of 1
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