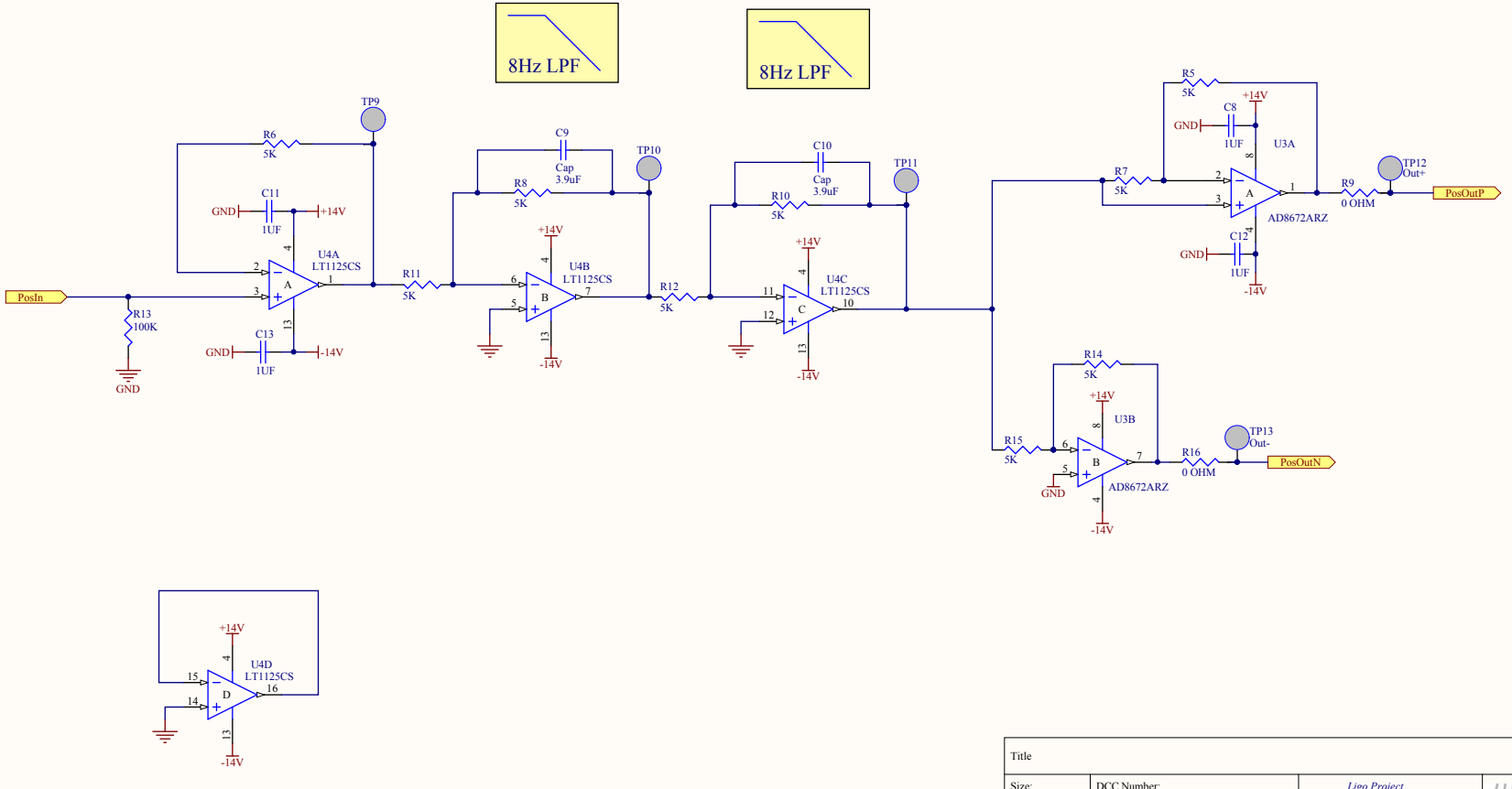
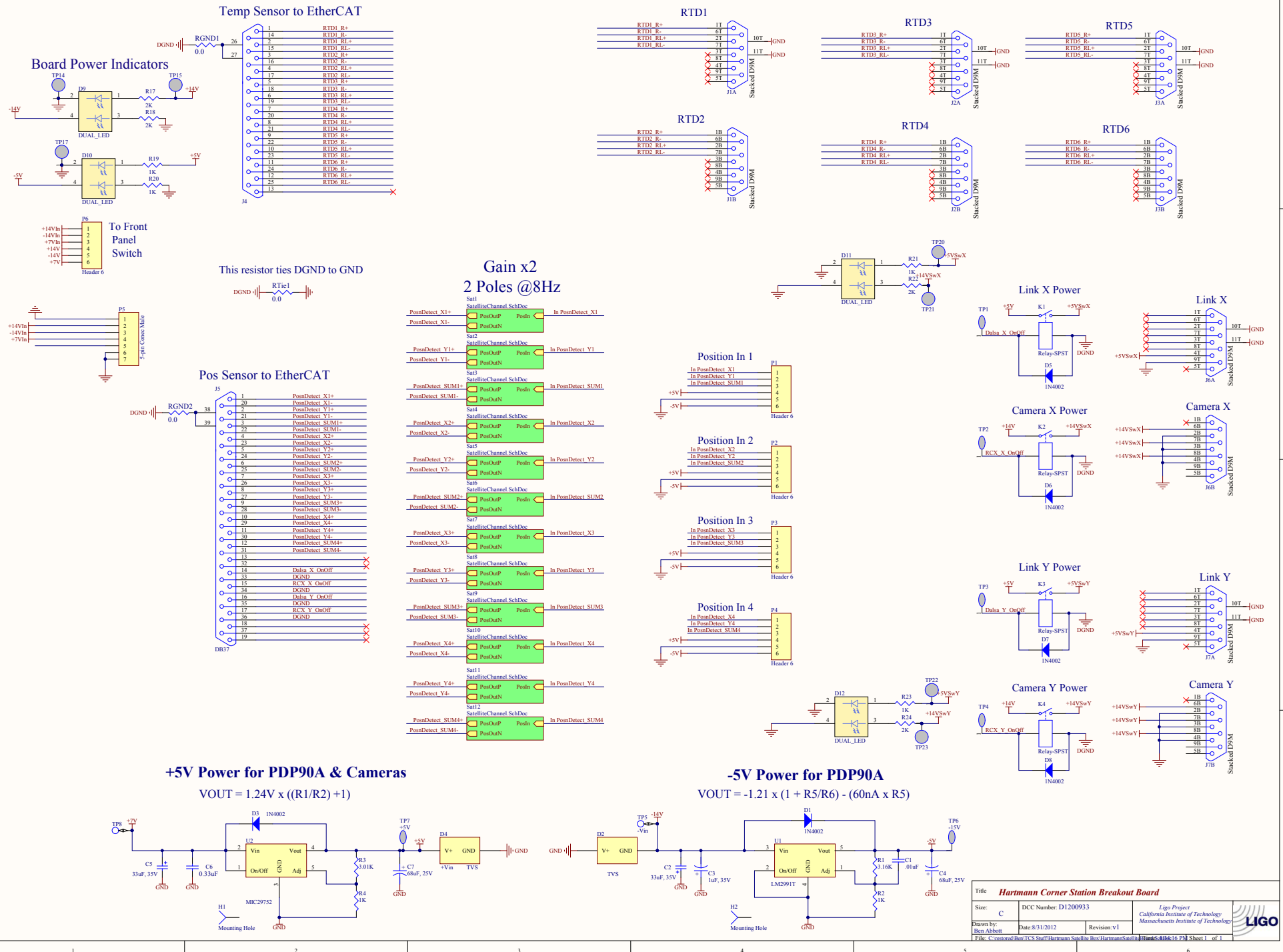
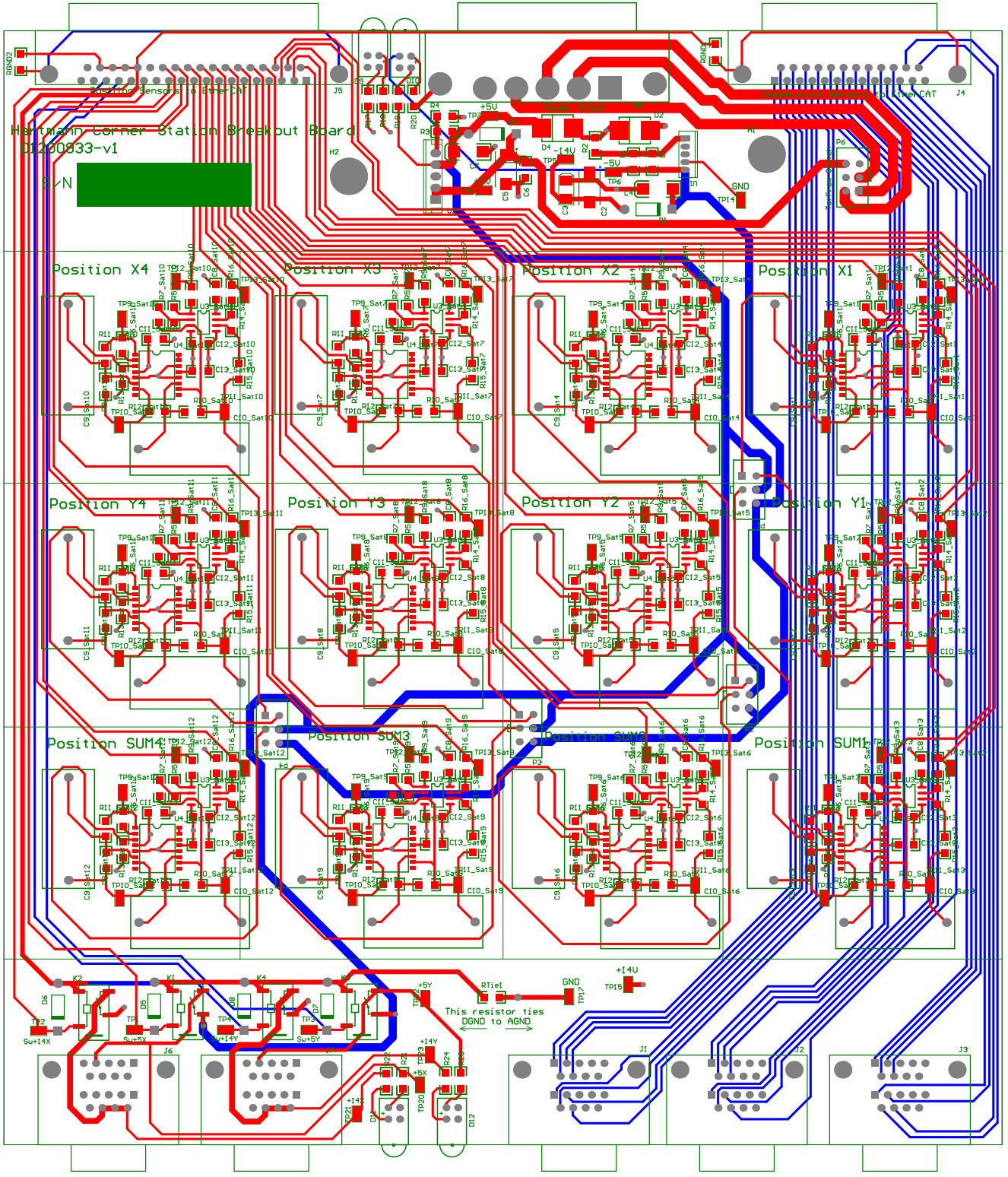


Title			
Size: B	DCC Number:		*Ligo Project* *California Institute of Technology* *Massachusetts Institute of Technology*
Drawn by: Ben Abbott	Date: 8/31/2012	Revision:	
File: C:\restored\Ben\TCS Stuff\Hartmann Satellite Box\SatelliteChannel.SchDoc		Time: 4:44.16 PM	Sheet 0 of 0


Temp Sensor to EtherCAT
Board Power Indicators
To Front Panel Switch
This resistor ties DGND to GND
Pos Sensor to EtherCAT
Gain x2
2 Poles @8Hz
RTD1
RTD2
RTD3
RTD4
RTD5
RTD6
Position In 1
Position In 2
Position In 3
Position In 4
Link X Power
Link X
Camera X Power
Camera X
Link Y Power
Link Y
Camera Y Power
Camera Y
+5V Power for PDP90A & Cameras
VOUT = 1.24V x ((R1/R2) +1)
-5V Power for PDP90A
VOUT = -1.21 x (1 + R5/R6) - (60nA x R5)
Hartmann Corner Station Breakout Board
LIGO Project
California Institute of Technology
Massachusetts Institute of Technology


Hartmann Corner Station Breakout Board
DI200833-v1
S/N
Position X4
Position X3
Position X2
Position X1
Position Y4
Position Y3
Position Y2
Position Y1
Position SUM4
Position SUM3
Position SUM2
Position SUM1
Power Input
This resistor ties DGND to AGND