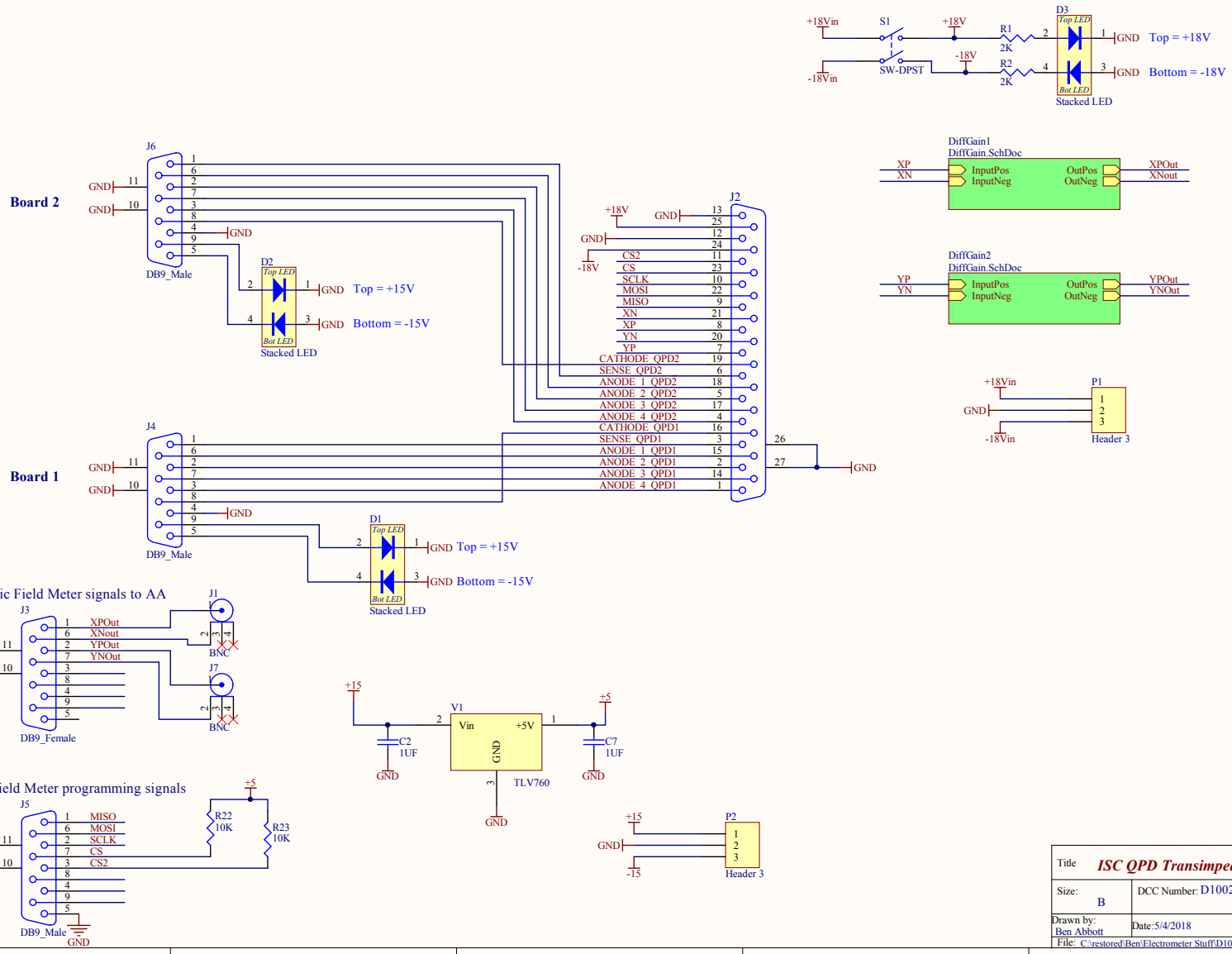
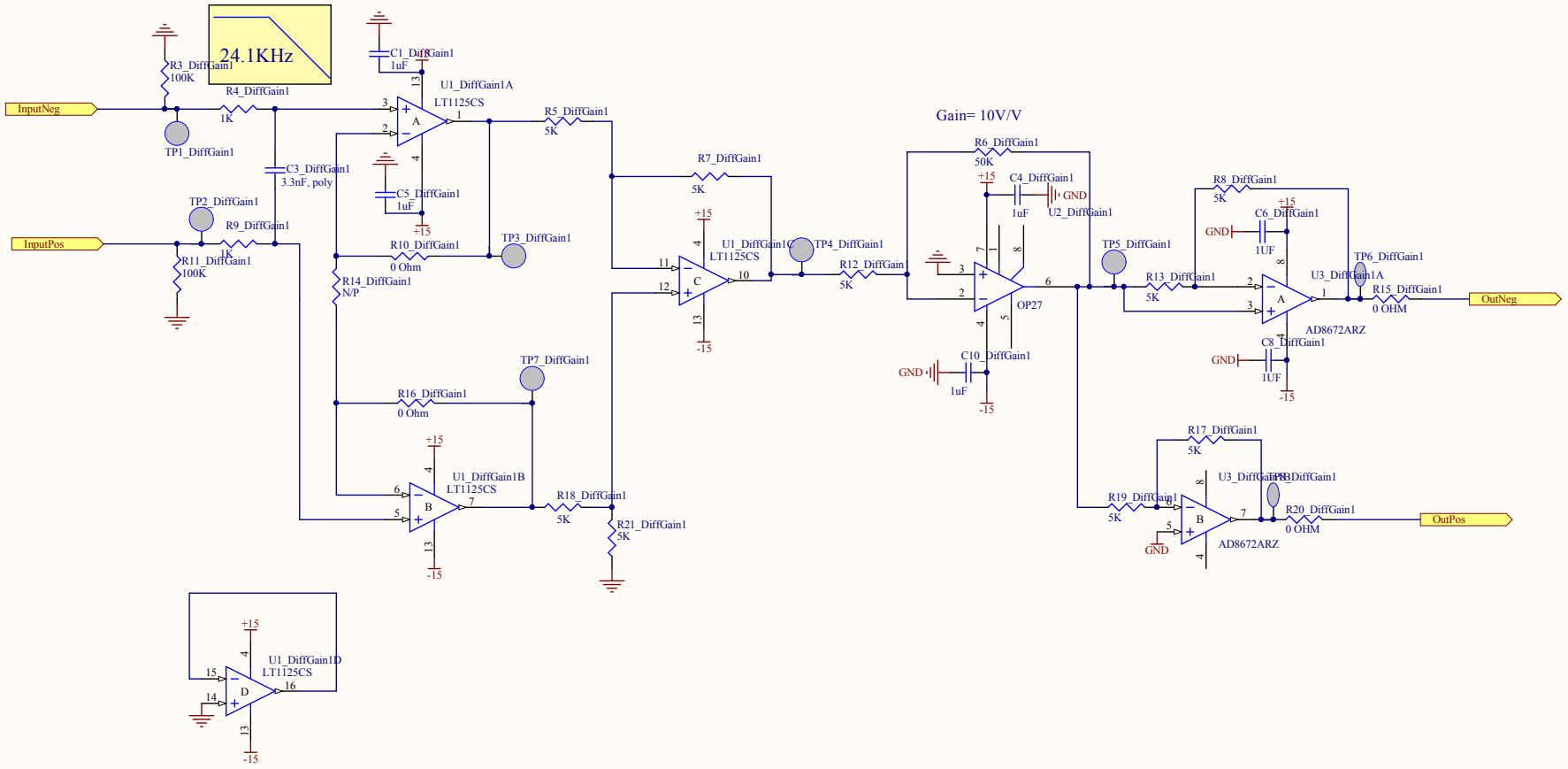


Revision History
Version 1 - Prototype Release
Version 2 - First Production Version, Corrected text errors
Version 3 - Swapped db9 connectors to have boan one and board two in the right place
Version 4 - Revised 25 pin d-sub pinout for twisted pair compatibility
Version 5 - Updated pinouts to accommodate the new invacuum cables.
Version 6 - Added the Electric Field Sensor signals and connectors.
Veresion7 - Added GND to the programming port, pin 5 and Chip Select pull-up resistors.

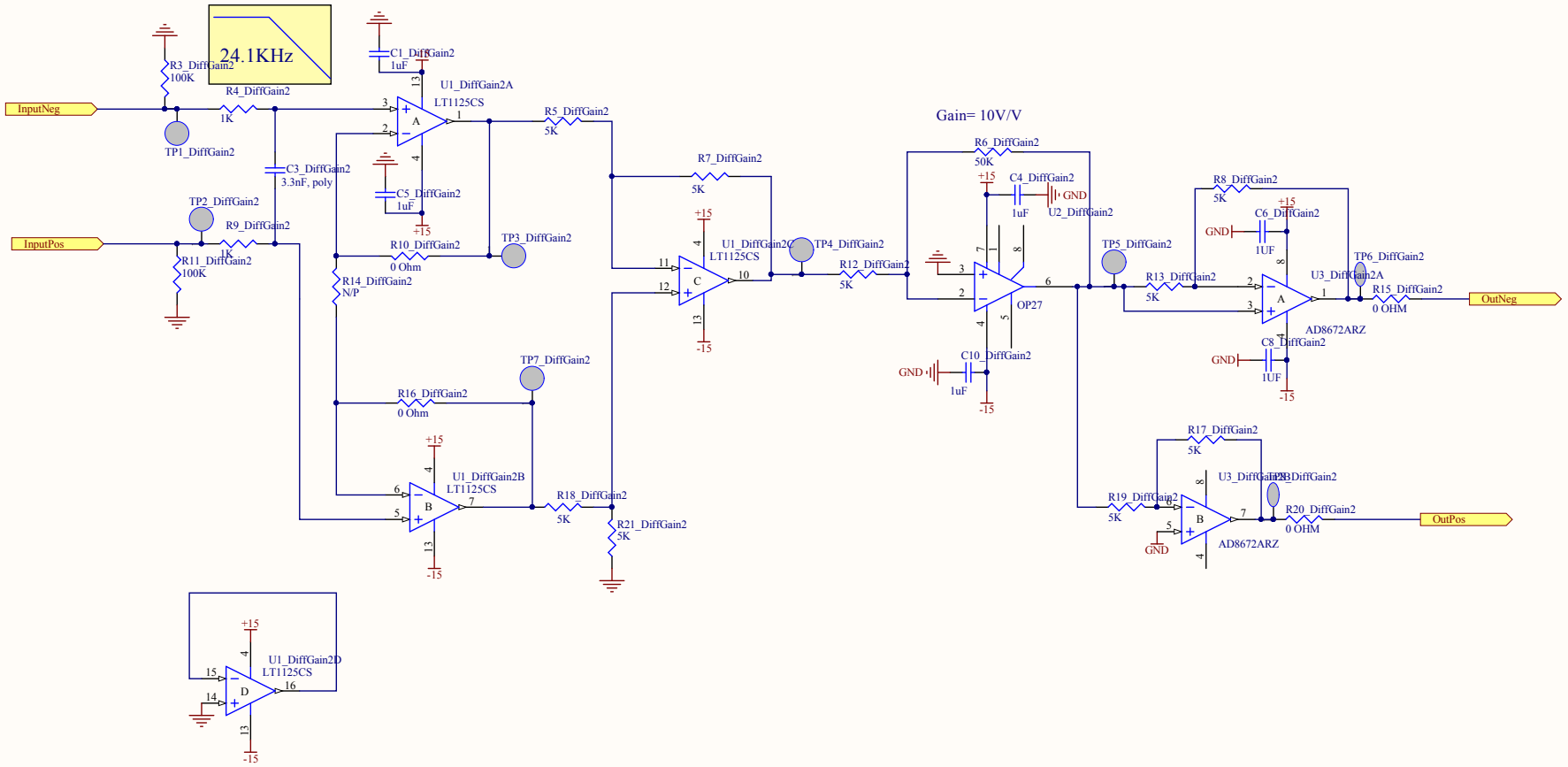
Title	ISC QPD Transimpedance Amp Interface Board		
Size: B	DCC Number: D1002283		Ligo Project California Institute of Technology Massachusetts Institute of Technology
Drawn by: Ben Abbott	Date: 5/4/2018	Revision: V7	
File: C:\restored\Ben\Electrometer Stuff\D1002283_v7\D1002283_V7.SchDoc	Time: 11:13:01 AM	Sheet 1 of 2	

Lowpass Filter here to avoid slew-rate limiting.

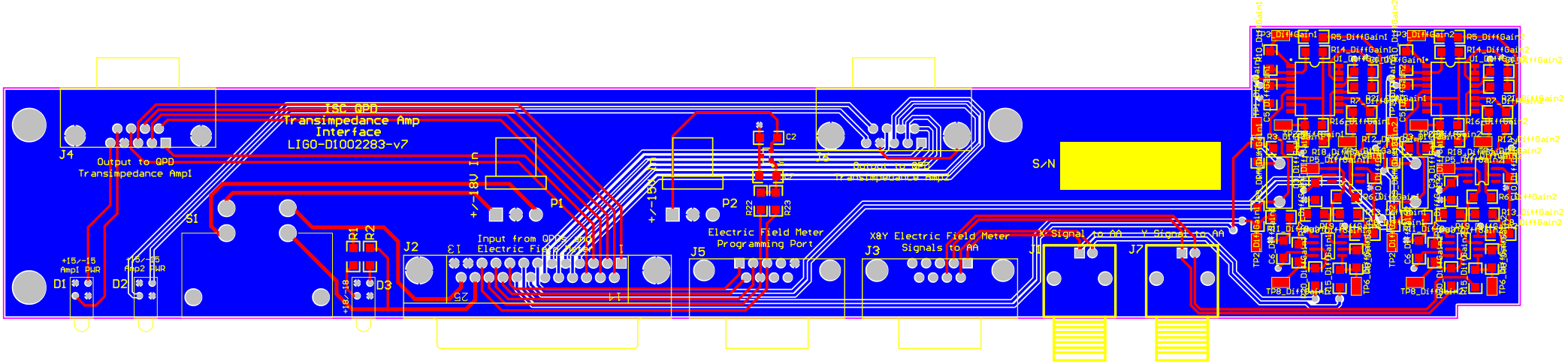


Title	***Differential Gain***		
Size: B	DCC Number: D1002283		*Ligo Project* *California Institute of Technology* *Massachusetts Institute of Technology*
Drawn by: Ben Abbott	Date: 5/4/2018	Revision: v7	
File: C:\restored\Ben\Electrometer Stuff\D1002283_v7\DiffGain.SchDoc	Time: 11:13:01 AM	Sheet 2 of 2	

Lowpass Filter here to avoid slew-rate limiting.



Title	***Differential Gain***		
Size: B	DCC Number: D1002283		*Ligo Project* *California Institute of Technology* *Massachusetts Institute of Technology*
Drawn by: Ben Abbott	Date: 5/4/2018	Revision: v7	
File: C:\restored\Ben\Electrometer Stuff\D1002283_v7\DiffGain.SchDoc	Time: 11:13:01 AM	Sheet 2 of 2	


ISC QPD
Transimpedance Amp
Interface
LIGO-D1002283-v7
J4
Output to QPD
Transimpedance Ampl
S1
D1
D2
D3
J2
J5
J3
J7
P1
P2
S/N
Input from QPD
Electric Field Meter
Programming Port
X&Y Electric Field Meter
Signals to AA
Signal
AA