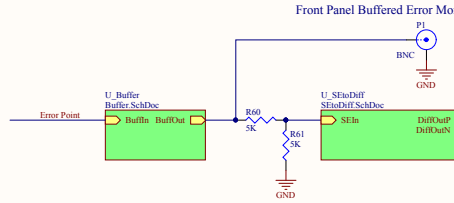
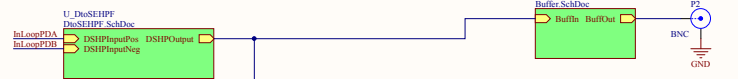
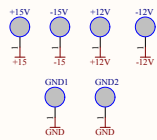
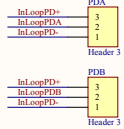
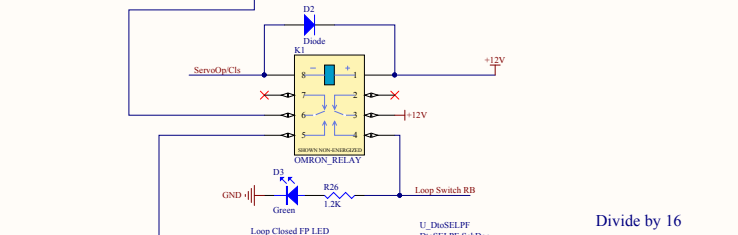
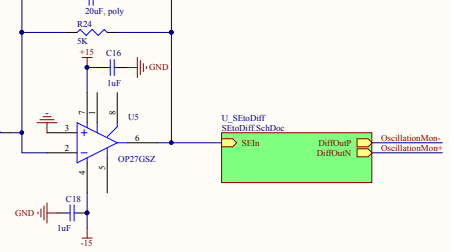
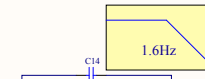
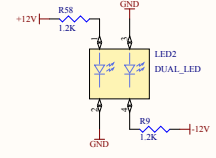
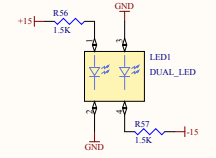
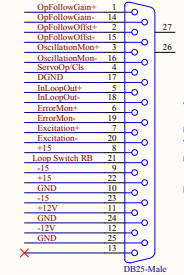


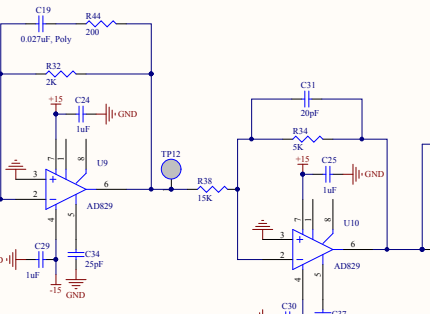
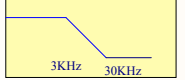
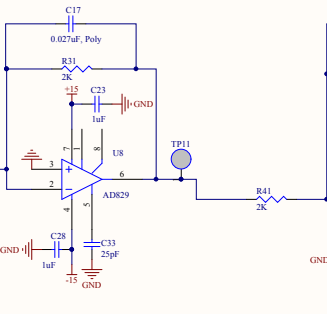
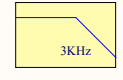
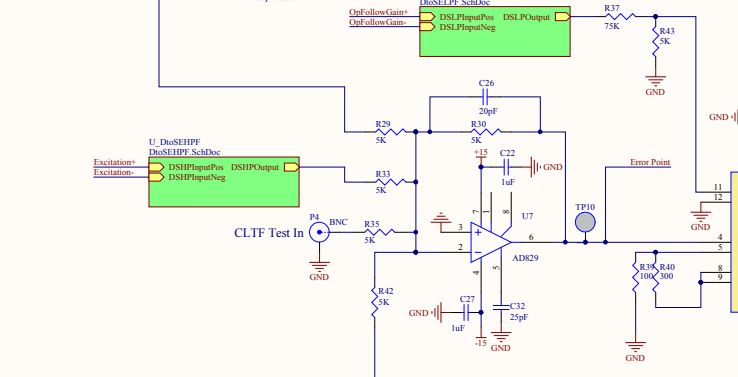
Polarity change jumpers



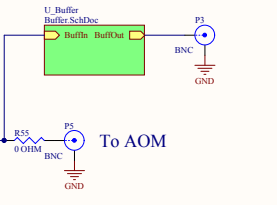
This resistor ties DGND to GND
If necessary.



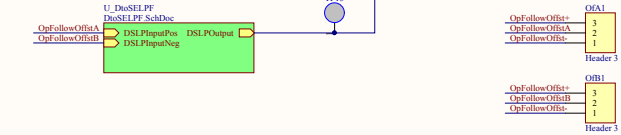
Divide by 16



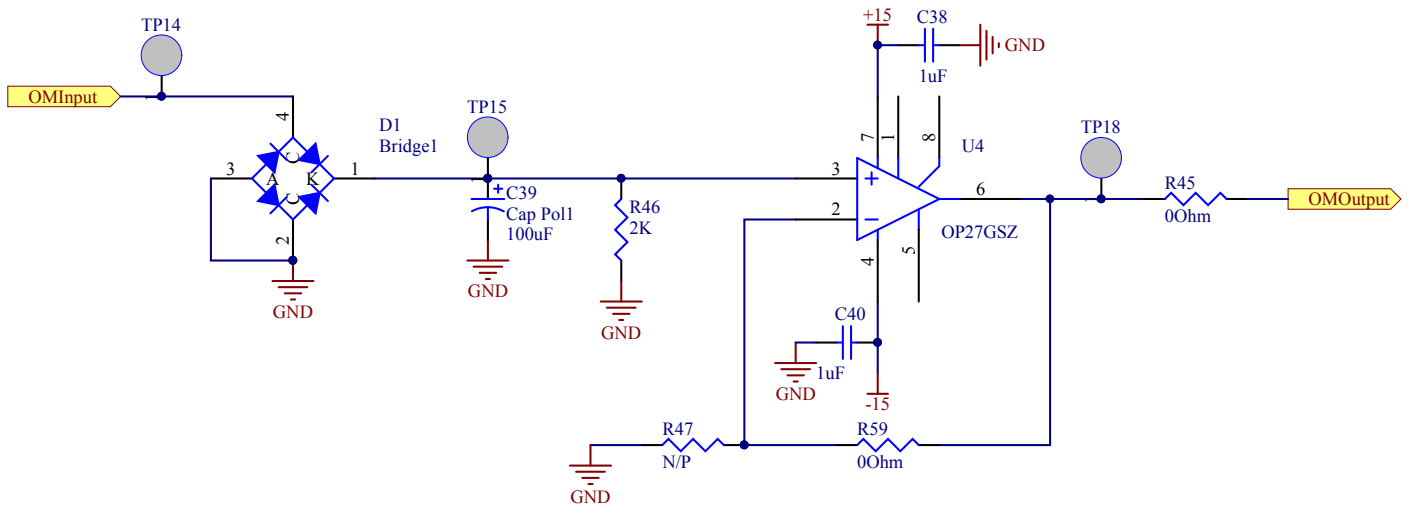
Front Panel Output Monitor



Polarity change jumpers

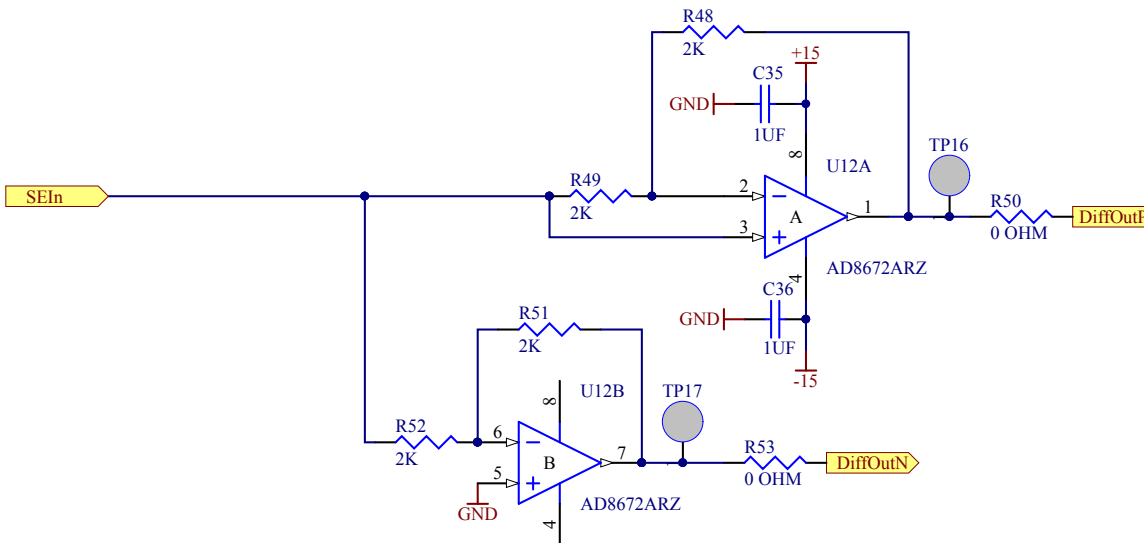


Title		OpFollower Servo	
Size:	C	DCC Number:	D1300514
Drawn by:	Ben Abbott	Date 6/2/2014	Revision: v4
LIGO Project California Institute of Technology Massachusetts Institute of Technology		LIGO	



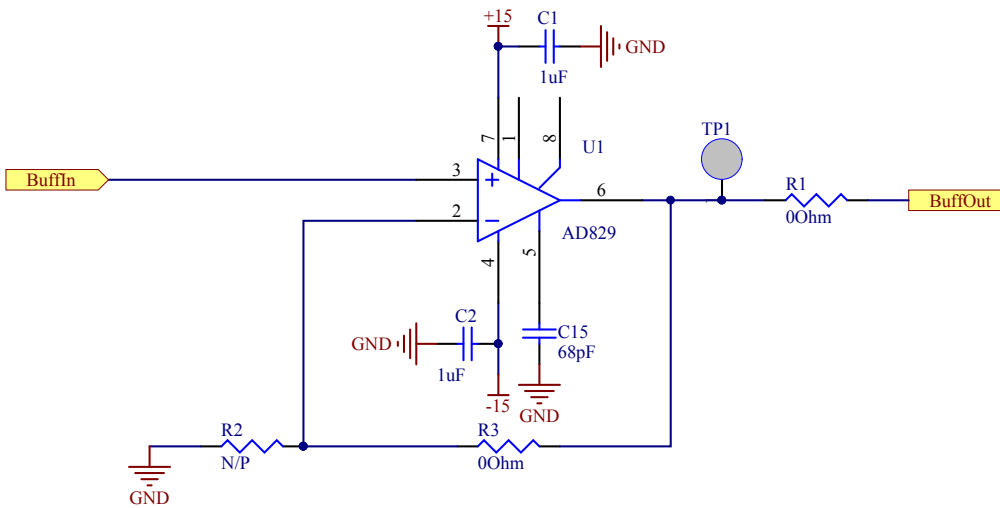
Title <i>Error Signal Rectifier</i>			
Size: A	DCC Number: D1300514		<i>Ligo Project</i> California Institute of Technology Massachusetts Institute of Technology
Drawn by: Ben Abbott	Date: 6/2/2014	Revision: v4	
File: C:\restored\Ben\AOS\PCal Stuff\OpticalFollower\Servo\ErrRect.SchDoc Date: 4:20:22 PM Sheet 2 of 6			






Title <i>SE to Diff</i>			
Size: A	DCC Number: D1300514		<i>Ligo Project</i> <i>California Institute of Technology</i> <i>Massachusetts Institute of Technology</i>
Drawn by: Ben Abbott	Date: 6/2/2014	Revision: v4	
File: C:\restored\Ben\AOS\PCal Stuff\Optical Follower\Servo\SEtoDiff.SchDoc Date: 4:20:22 PM Sheet 3 of 6			

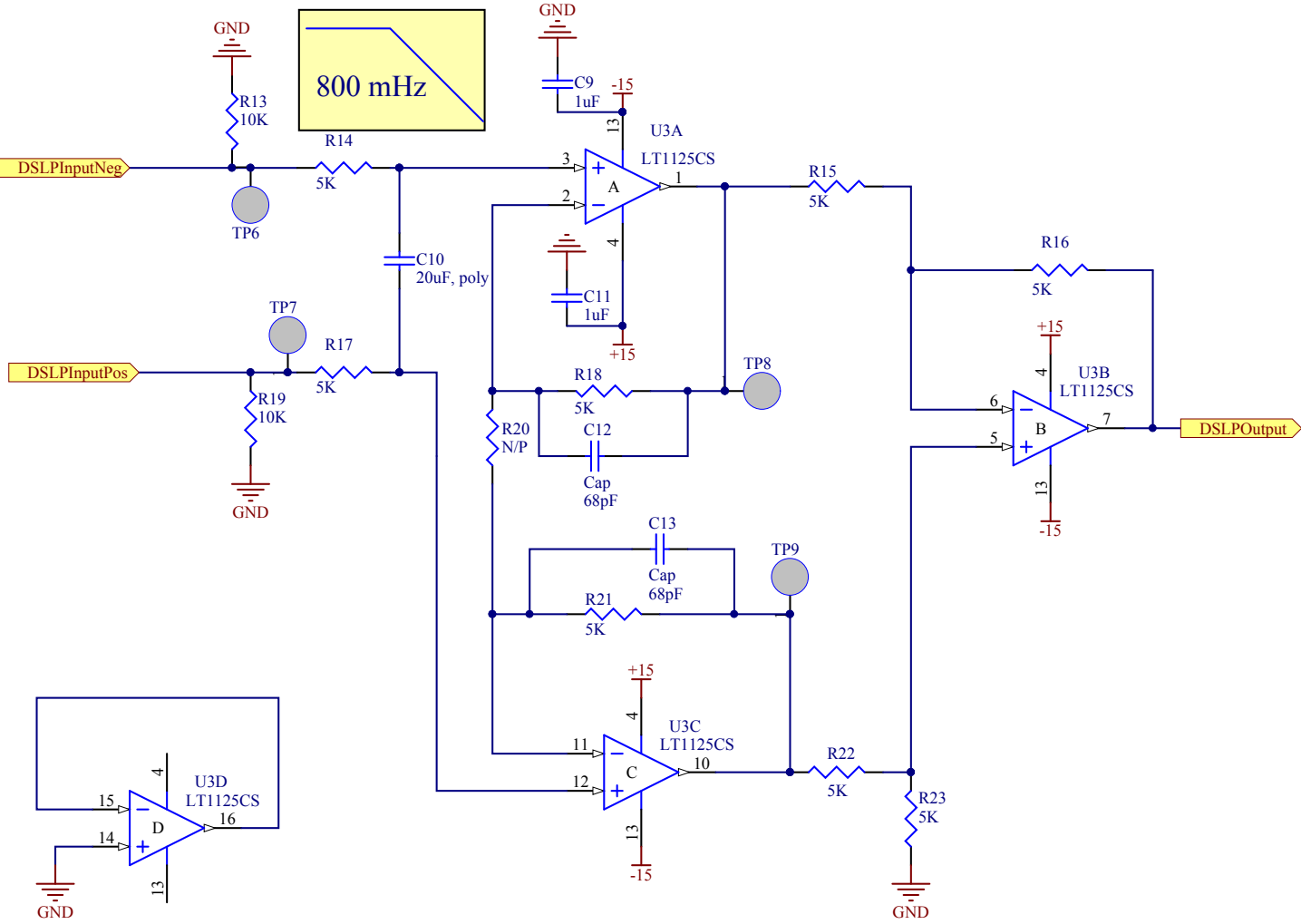




Title Buffer			
Size: A	DCC Number: D1300514		<i>Ligo Project</i> <i>California Institute of Technology</i> <i>Massachusetts Institute of Technology</i> 
Drawn by: Ben Abbott	Date: 6/2/2014	Revision: v4	
File: C:\restored\Ben\AOS\PCal Stuff\OpticalFollower\Servo\Buffer.SchDp Time: 4:20:22 PM Sheet 4 of 6			

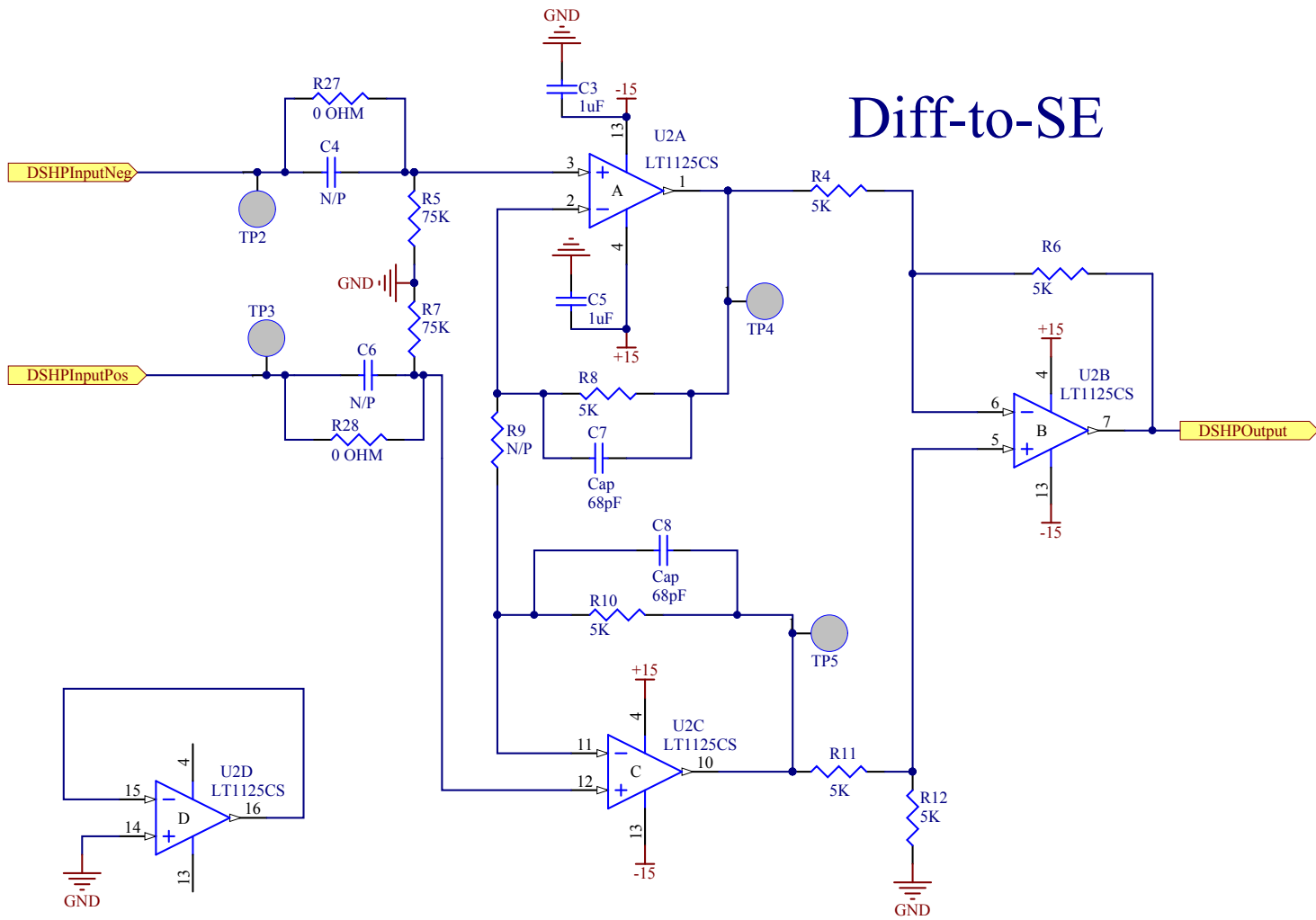
Diff-to-SE

Lowpass Filter here for noise reduction



Title <i>D to SE LPF</i>			
Size: A	DCC Number: D1300514		<i>Ligo Project</i> California Institute of Technology Massachusetts Institute of Technology
Drawn by: Ben Abbott	Date: 6/2/2014	Revision: v4	
File: C:\restored\Ben\AOS\PCal Stuff\OpticalFollower\Servo\DtoSE\LPF_SchDoc.dwg Date: 4:20:22 PM Sheet 5 of 6			





Title ***D to SE HPF***

Size: **A** DCC Number: **D1300514**

Ligo Project
California Institute of Technology
Massachusetts Institute of Technology

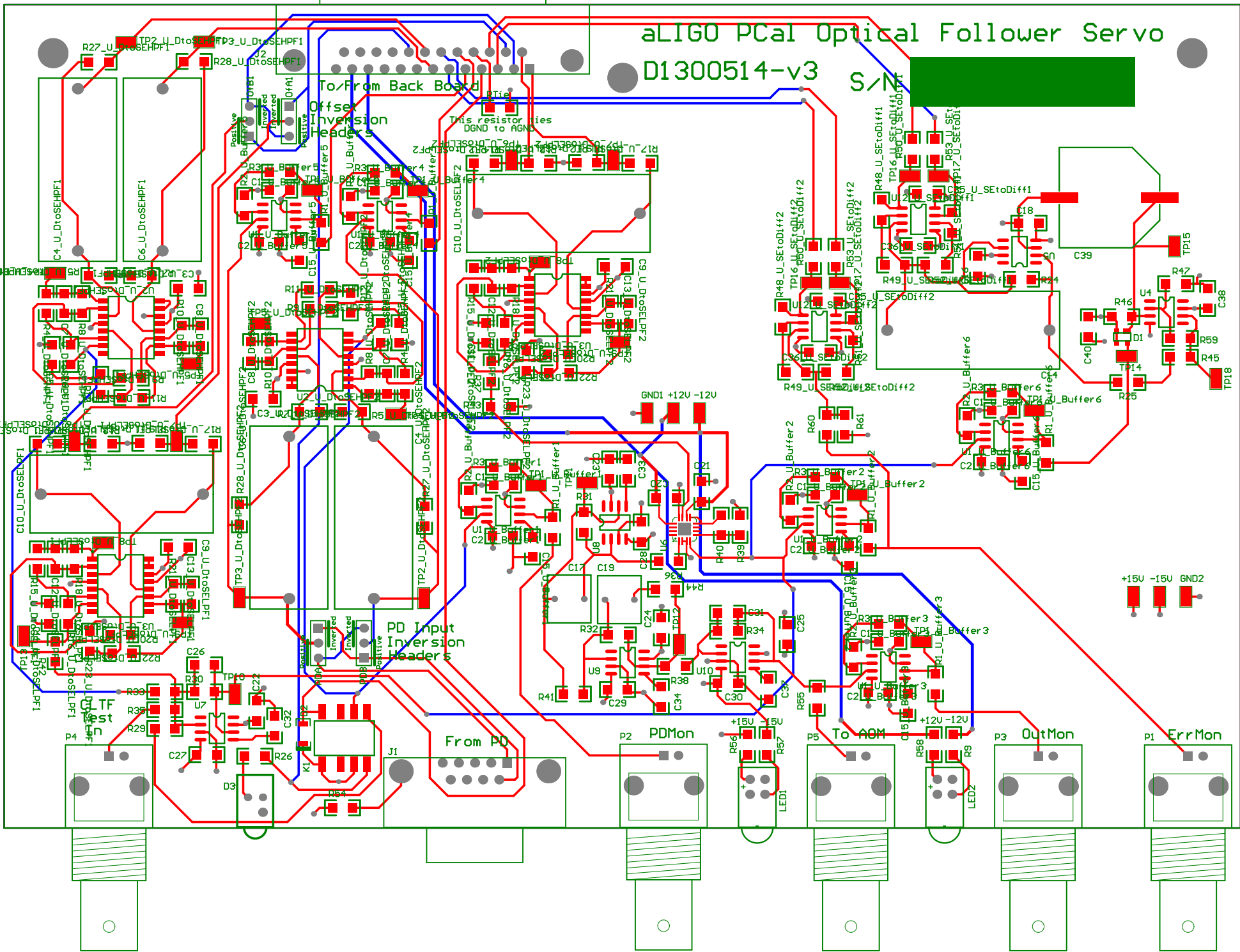


Drawn by: **Ben Abbott** Date: **6/2/2014** Revision: **v4**

aLIGO PCal Optical Follower Servo

D1300514-v3

S/N [Redacted]



To/From Back Board

Offset Inversion Headers

This resistor ties DGND to AGND

PD Input Inversion Headers

From PD

P2 PDMon

To ACM

P3 OutMon

P1 ErrMon

