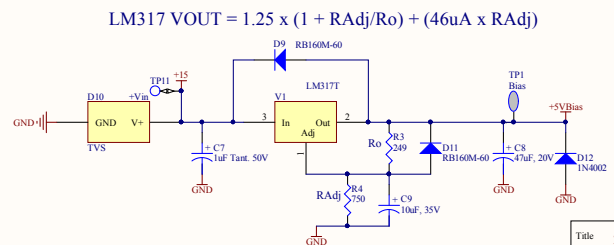
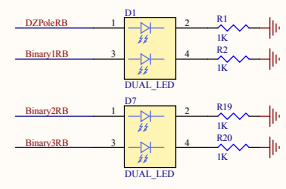
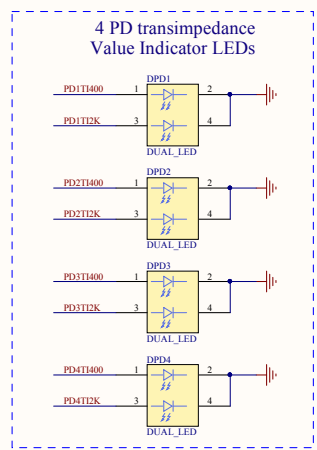
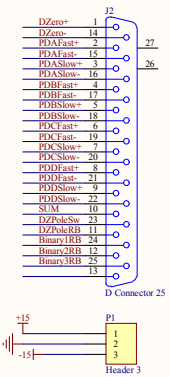
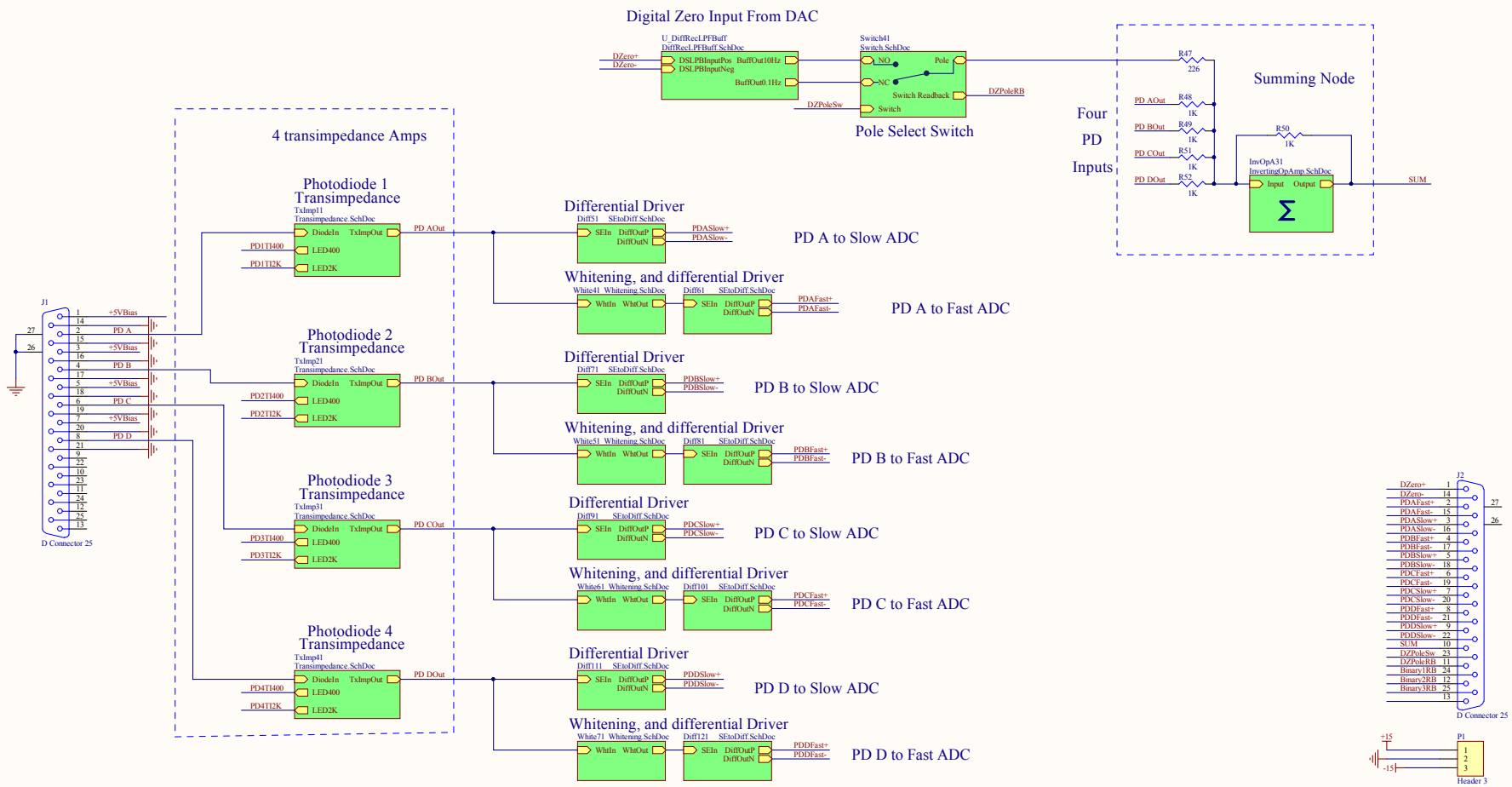


A

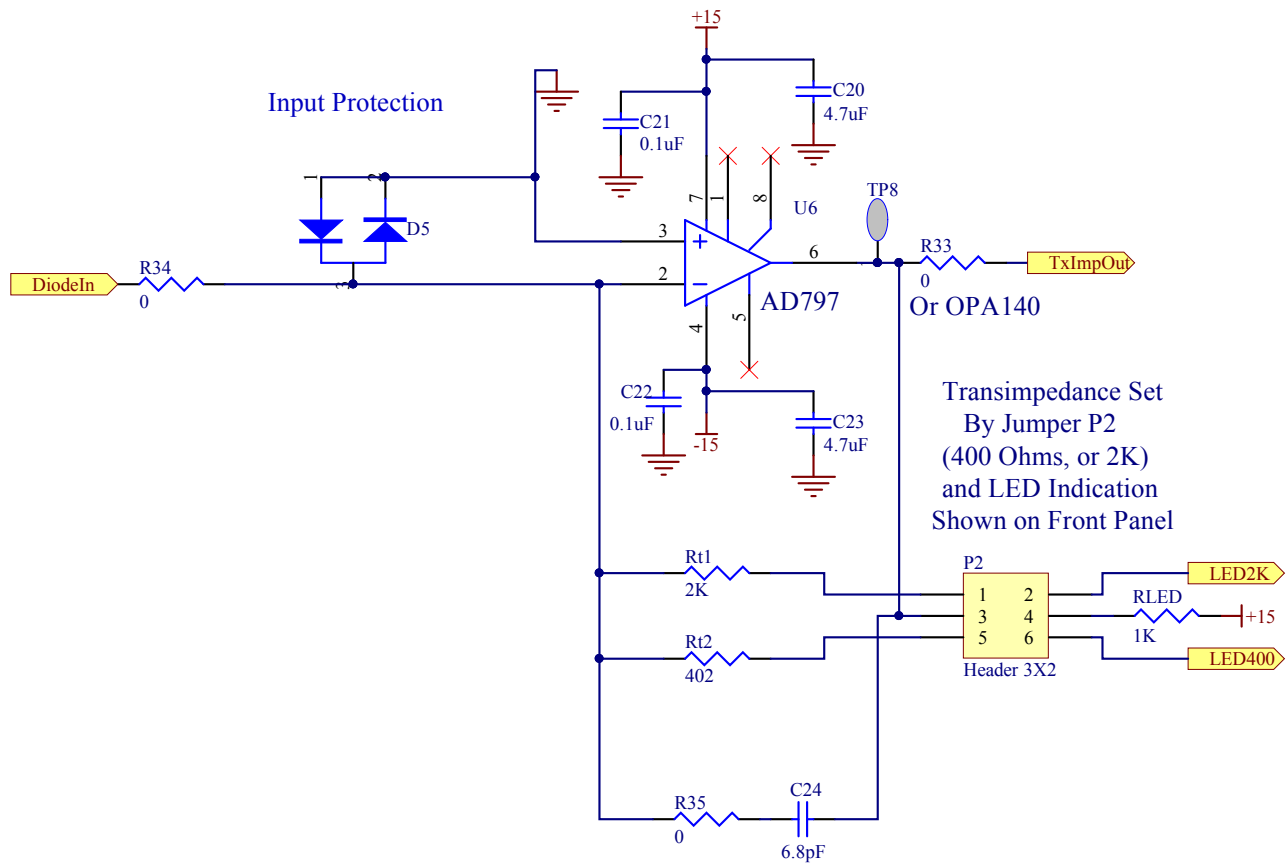
B

C

D



Title Transimpedance and Summing		
Size: C	DCC Number: D1600193	Ligo Project California Institute of Technology Massachusetts Institute of Technology
Drawn by: Ben Abbott	Date: 5/18/2016	Revision: V1
File: C:\restored\Ben_Abbott\Loop_TxImpedance\board\Transimpedance_4_Photodiodes_Summing_V1_Sheet 1 of 7		



Title **Transimpedance Stage**

Size: **A**

DCC Number: D1600193

Ligo Project
California Institute of Technology
Massachusetts Institute of Technology

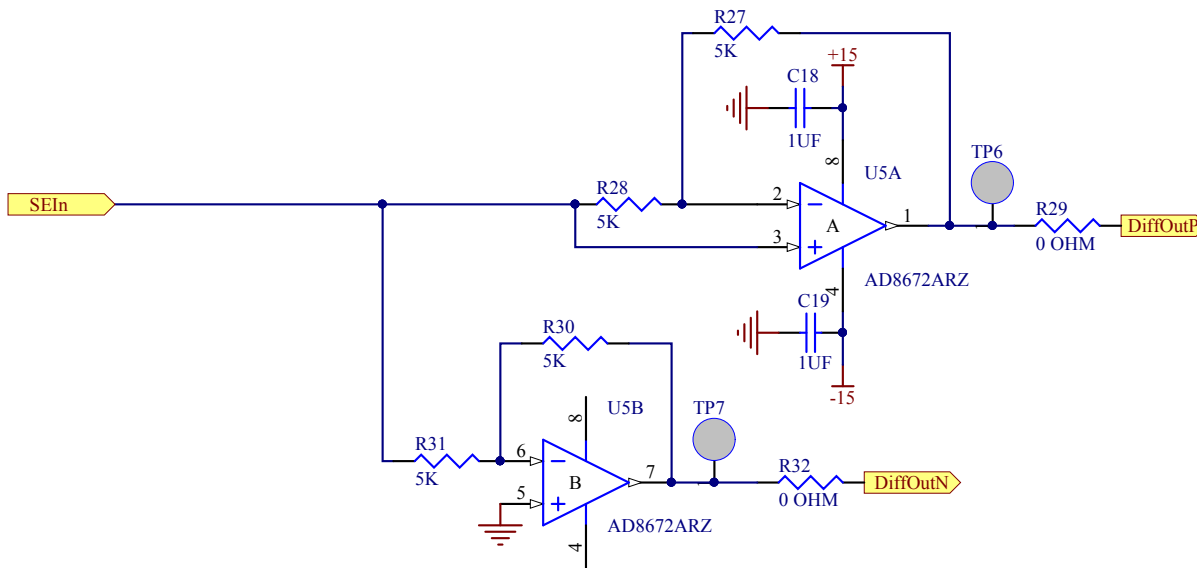


Drawn by:
Ben Abbott

Date: 5/18/2016

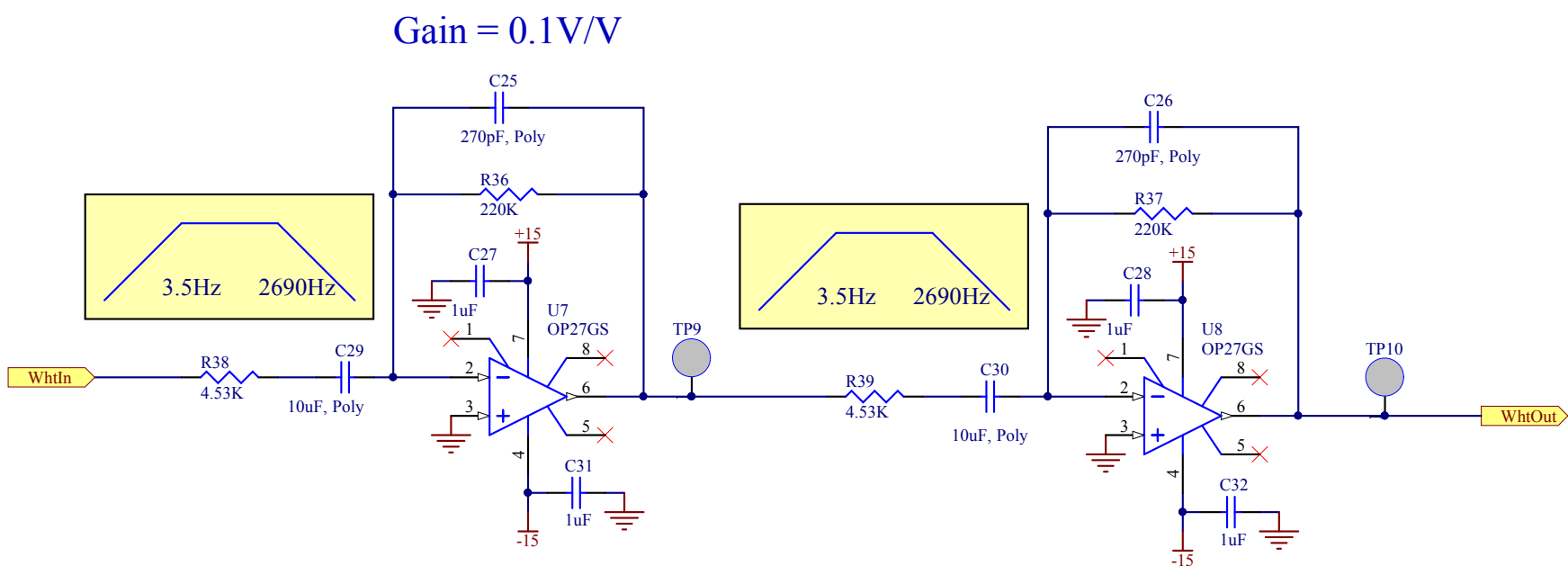
Revision: v1


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Title Single-Ended to Differential			
Size: A	DCC Number: D1600193		<i>Ligo Project</i> <i>California Institute of Technology</i> <i>Massachusetts Institute of Technology</i>
Drawn by: Ben Abbott	Date: 5/18/2016	Revision: v1	
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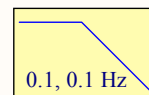
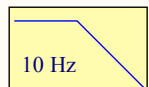




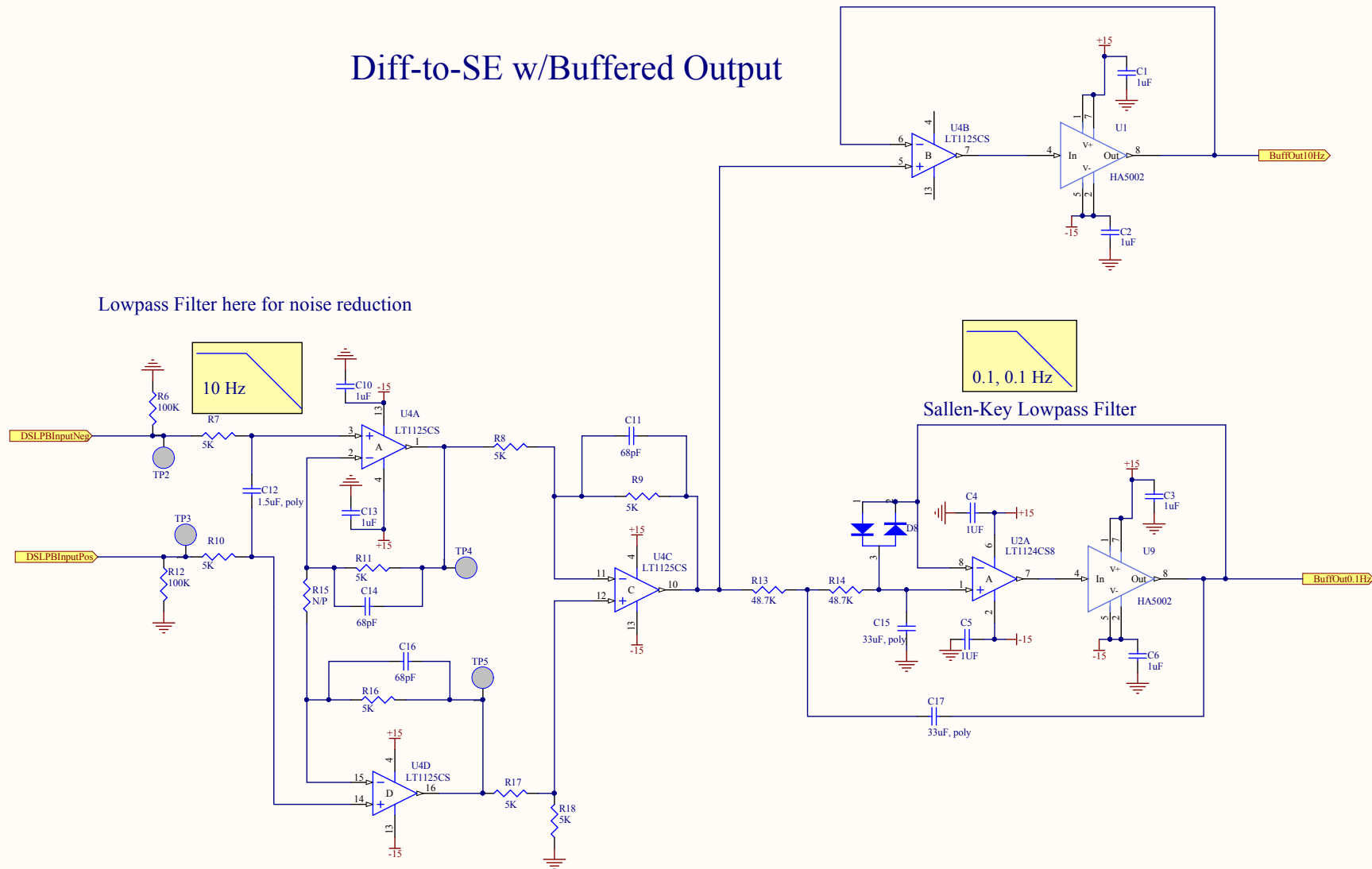
Title Whitening			
Size: A	DCC Number: D1600193		
Drawn by: Ben Abbott	Date: 5/18/2016	Revision: v1	Ligo Project California Institute of Technology Massachusetts Institute of Technology
File: C:\restored\Ben\ISS Outer Loop\TximpedanceBoard\Whitening.Sch			

Diff-to-SE w/Buffered Output

Lowpass Filter here for noise reduction



Sallen-Key Lowpass Filter



Title Diff. Receiver w/LPF			
Size: B	DCC Number: D1600193	Ligo Project California Institute of Technology Massachusetts Institute of Technology	
Drawn by: Ben Abbott	Date: 5/18/2016	Revision: v1	
<small>File: C:\restored\Ben\ISS Outer Loop\TxImpedanceBoard\DiffRecL\PEB\1600193\1600193_22220_AMS\Sheet5 of 7</small>			

A

A

B

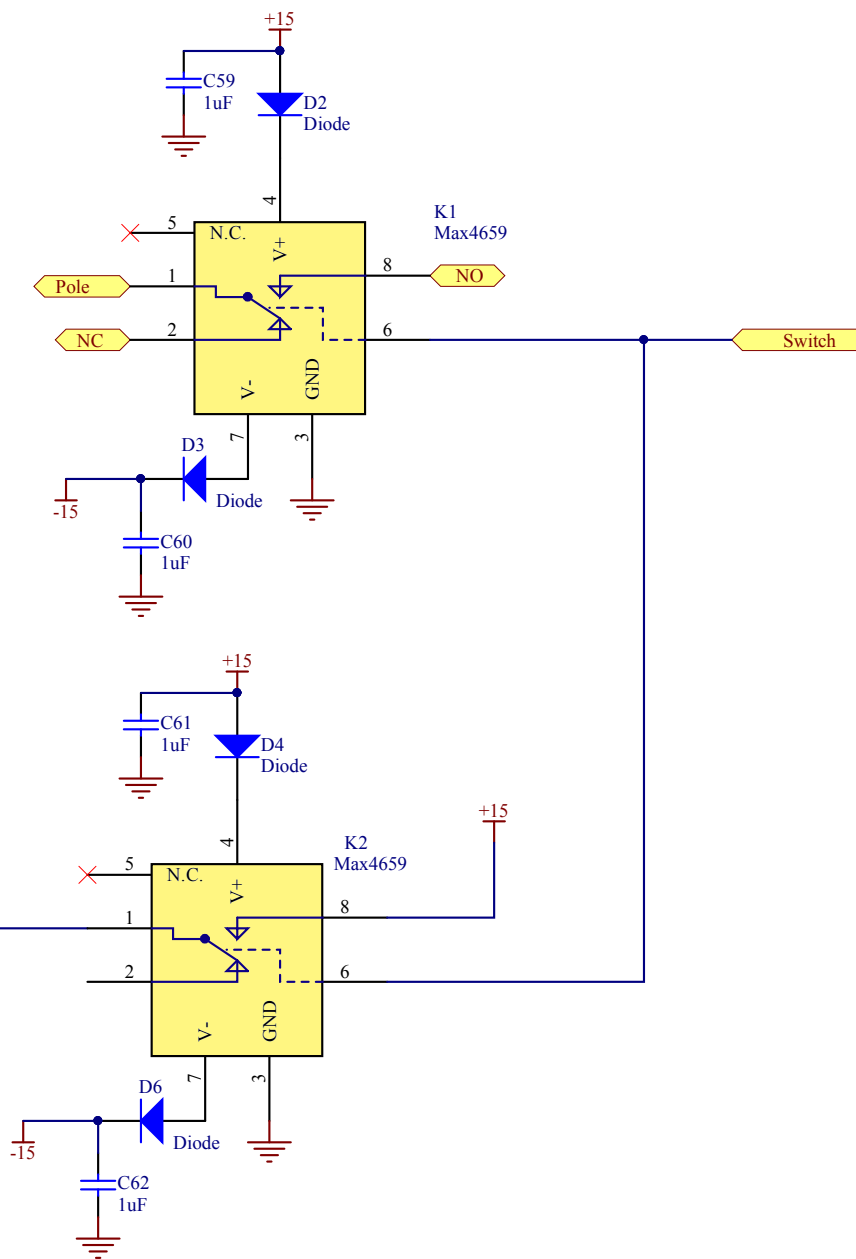
B

C

C

D

D

Title **Switches**

Size: A

DCC Number: D1600193

Ligo Project
California Institute of Technology
Massachusetts Institute of Technology



Drawn by:
Ben Abbott

Date: 5/18/2016

Revision: v1

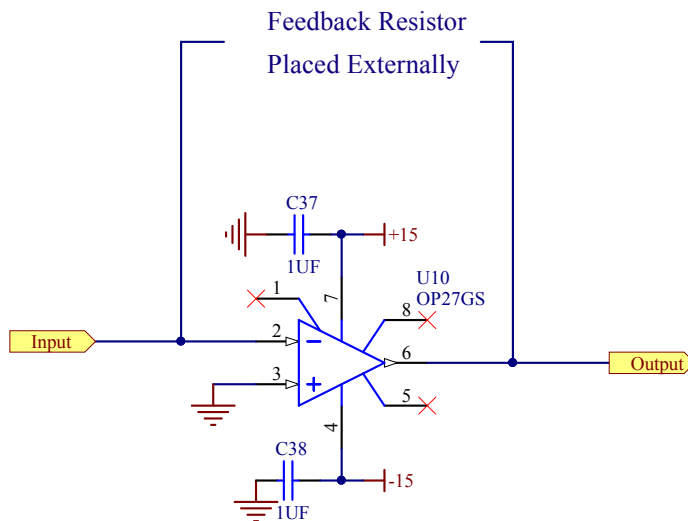
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1

2

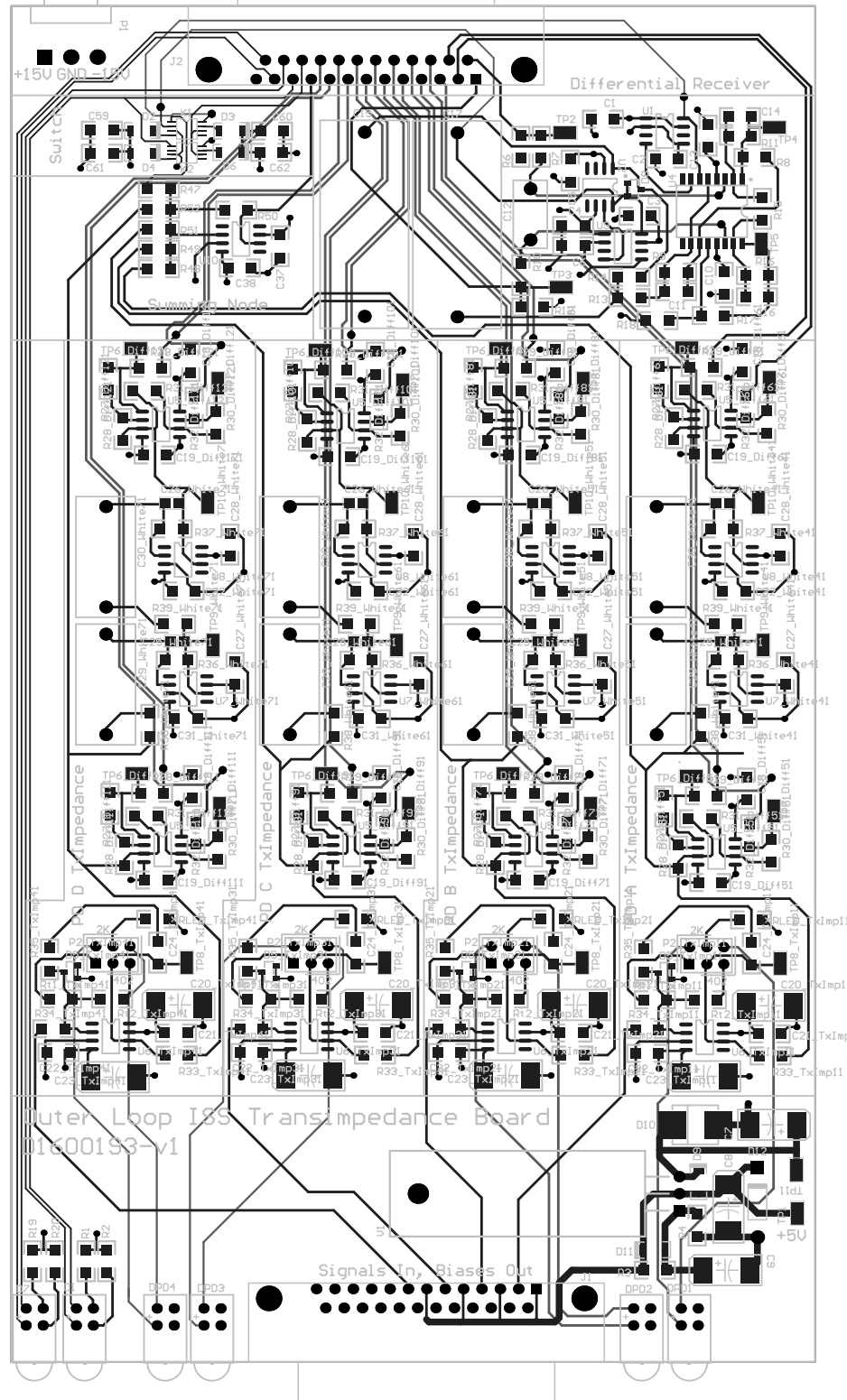
3

4



Title <i>Inverting OpAmp</i>			
Size: A	DCC Number: D1600193		<i>Ligo Project</i> <i>California Institute of Technology</i> <i>Massachusetts Institute of Technology</i>
Drawn by: Ben Abbott	Date: 5/18/2016	Revision: v1	
File: C:\restored\Ben\ISS Outer Loop\TximpedanceBoard\InvertingOpAmp.Dwg Date: 5/18/2016 10:22:20 AM Sheet 7 of 7			





Outer Loop IBS Transimpedance Board
01600193-v1