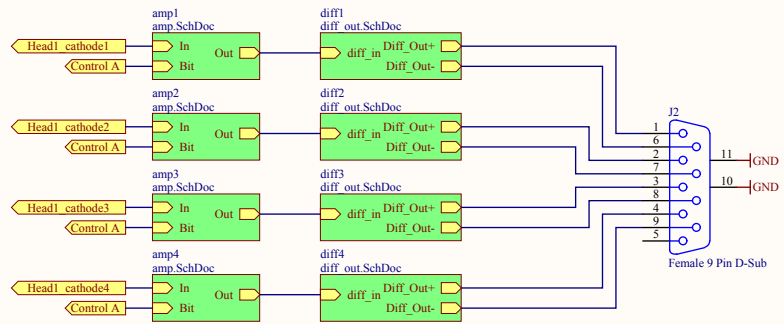
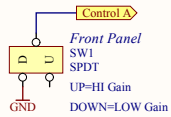
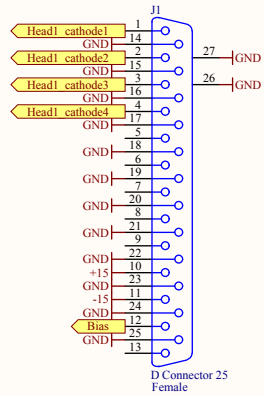
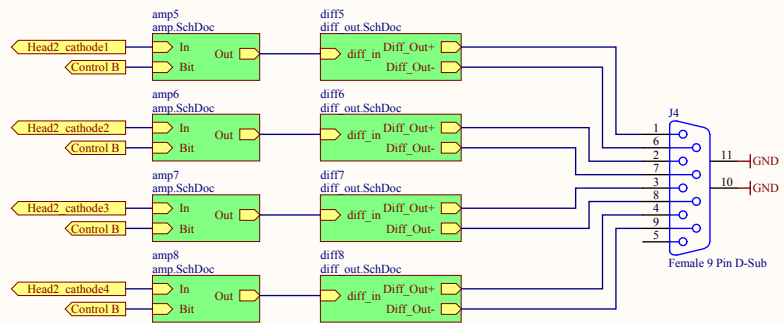
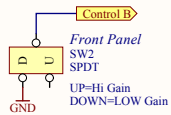
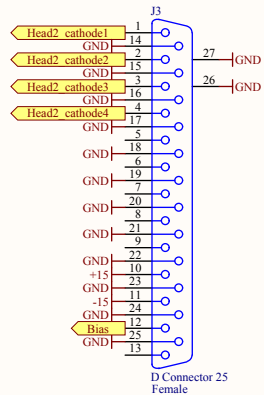


Front Panel
Interface to Head 1

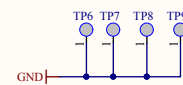
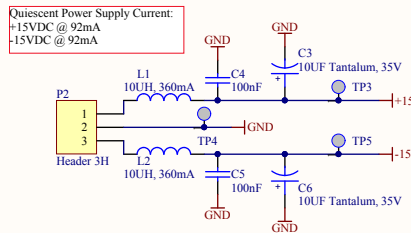
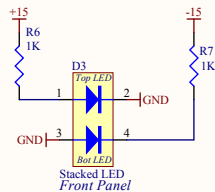
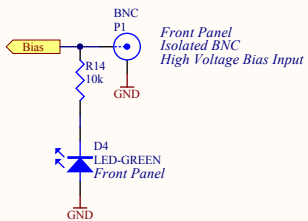


Rear Panel
Analog Outputs

Front Panel
Interface to Head 2



Rear Panel
Analog Outputs



Revision History:
Revision v1 - Initial release
Revision v2 - Corrected error in calculated gain given on amplifier schematic.
Changed R2 on amplifier schematic from 499 ohms to 100k.
Corrected typo on D3 DC power indicating LED silkscreen

Last Edited: 5 May 2011

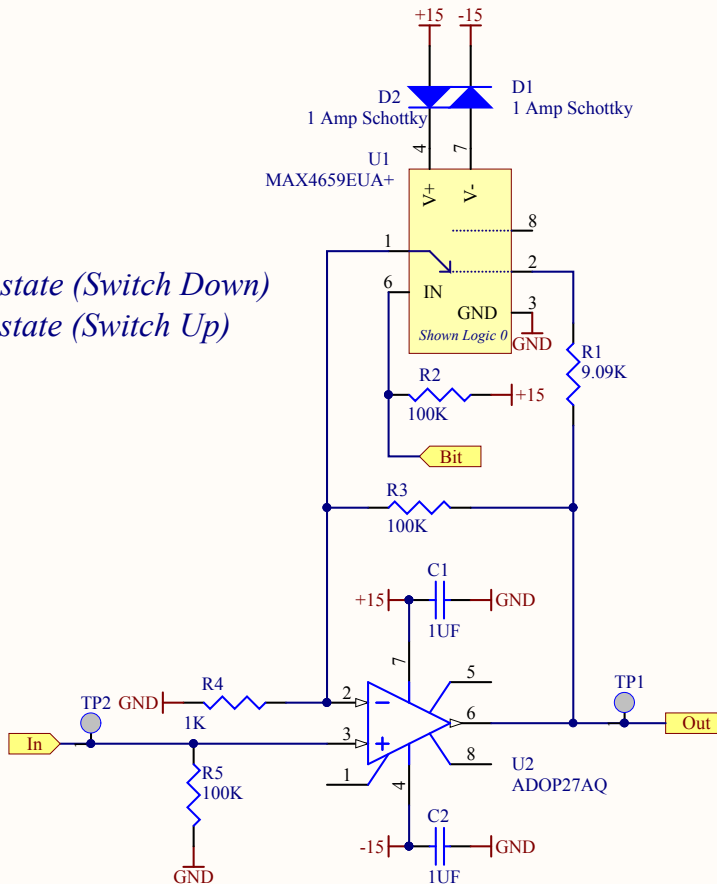
Title Legacy WFS Interface Board		LIGO Laboratory California Institute of Technology Massachusetts Institute of Technology		LIGO	
Size: B	DCC Number: D1100546	Revision: v2	Engineer: R. Abbott	Date: 2/20/2014	Time: 12:45:35 PM
File: C:\Rich's Files\Mycadfiles\ISC\LegacyWFSInterface\wfs_top_SchDoc			Sheet 1 of 3		

Total gain increased by 6dB after differential output stage


This Stage Gain

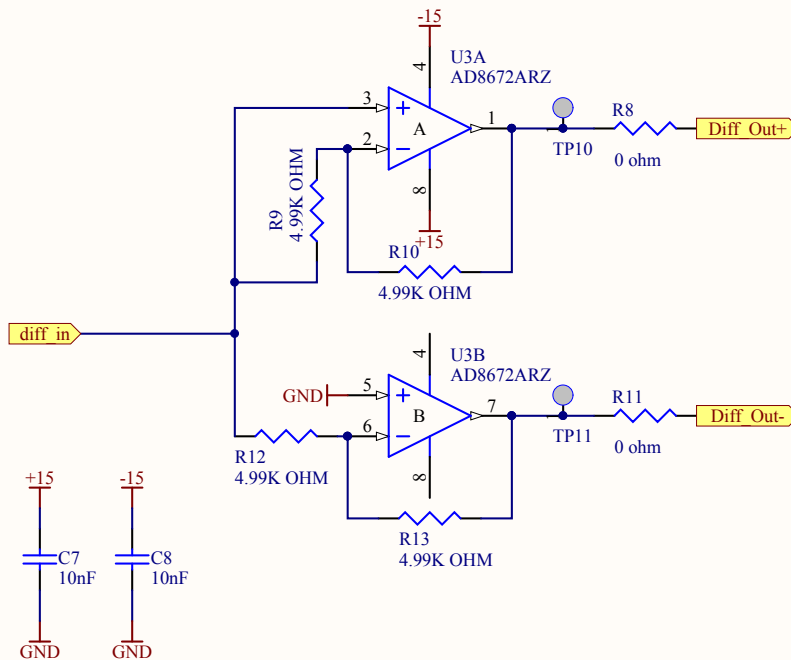
Gain = 9.3 (19.4dB) when in logic zero state (Switch Down)

Gain = 101 (40.1dB) when in logic one state (Switch Up)



Last Edited: 5 May 2011

Title Amplifier Stage		LIGO Laboratory California Institute of Technology Massachusetts Institute of Technology		
Size: A	DCC Number: D1100546	Revision: v2	Engineer: R. Abbott	
File: C:\Rich's Files\Mycadfiles\ISC\Legacy\WFSinterface\amp.SchDoc			Date: 2/20/2014 Time: 12:45:35 PM	Sheet 2 of 3



Last Edited: 5 May 2011

Title		LIGO Laboratory California Institute of Technology Massachusetts Institute of Technology		LIGO
Differential Output Driver				
Size: A	DCC Number: D1100546	Revision: v2	Engineer: R. Abbott	Date: 2/20/2014
File: C:\Rich's Files\Mycadfiles\ISC\LegacyWFSinterface\diff_out.SchDoc				Time: 12:45:35 PM
				Sheet 3 of 3

