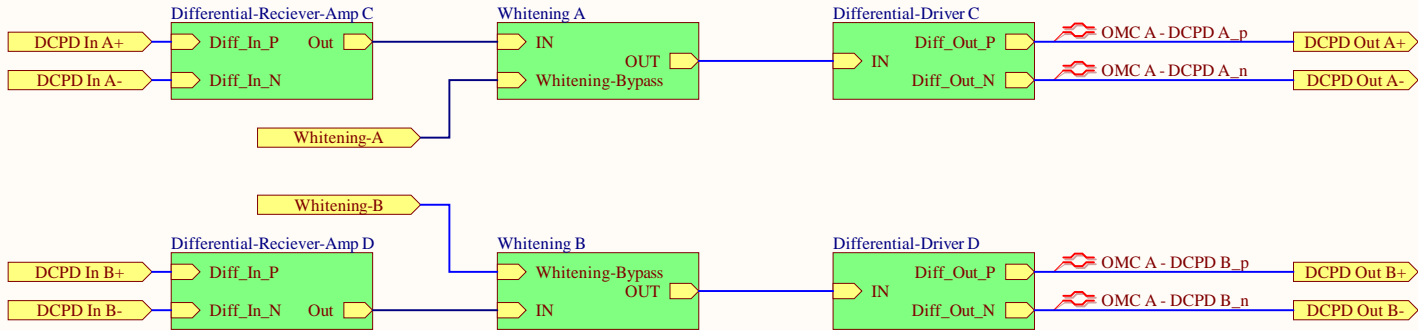
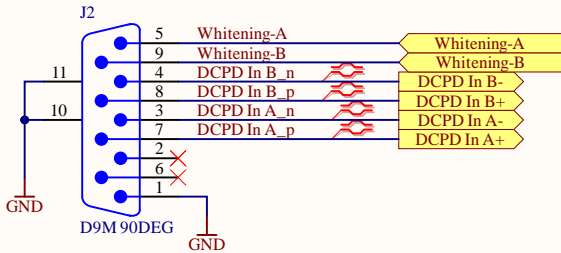
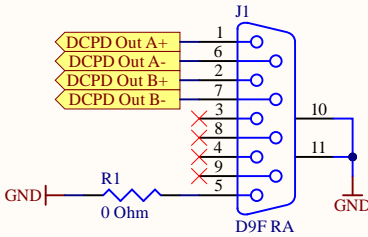


From: Front Interface PCB

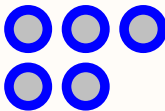
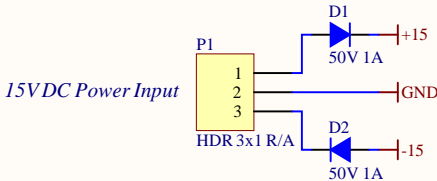


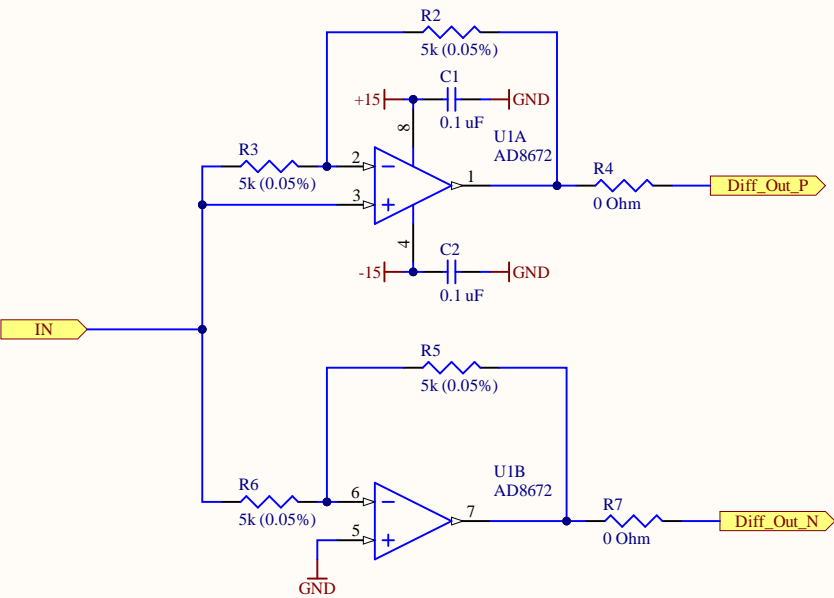
To ADC
Whitened Output

To: Rear Panel



From: Power PCB





Last Edited: 11/11/2022

Title
Differential Driver

LIGO
*
*

LIGO

Size: A DCC Number: D2200044

Revision: v1

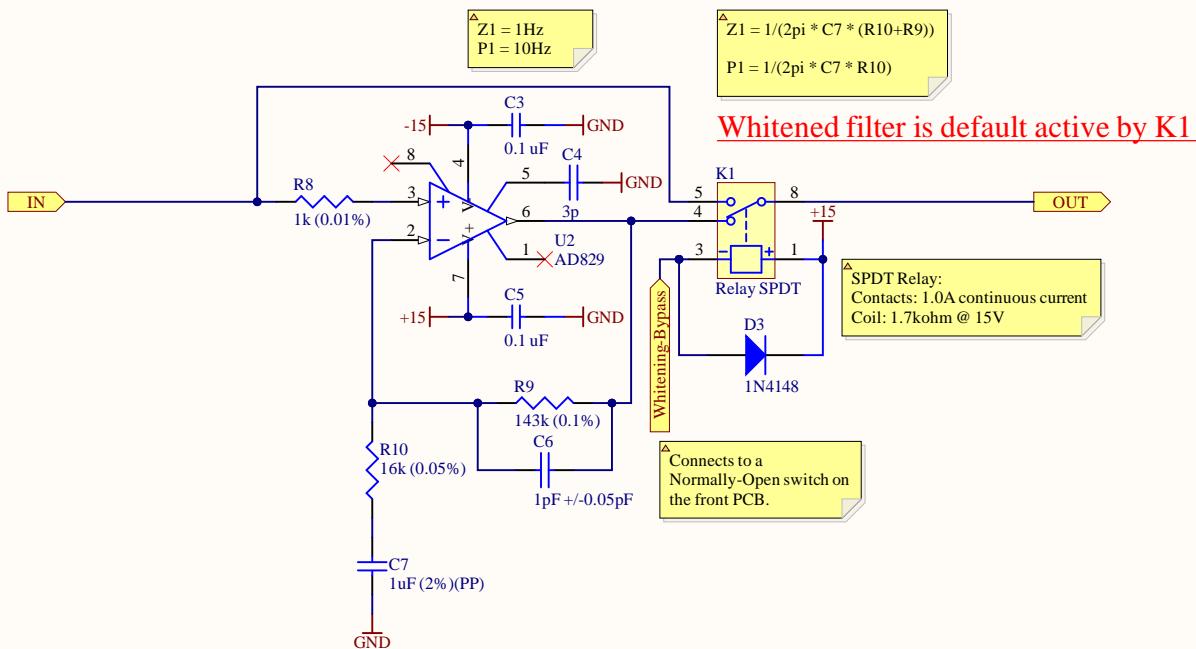
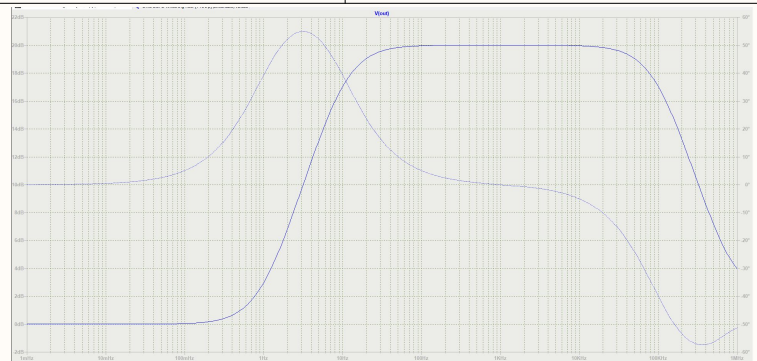
Engineer: Dean Schaezel

Date: 12/12/2022

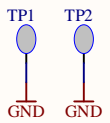
Time: 3:26:08 PM

File: C:\Dean\A+\D2200044 OMC DCPD Whitening Signal Chain\Differential-Driver.SchDoc

Sheet 2 of 4



OP27 Supply Current (Iq)
2.8mA (per amp) typical =
8.4mA



Last Edited: 11/21/2022

Title **Whiteness** LIGO CIT *

Size: A DCC Number: D2200044 Revision: v1

Engineer: D Schaetzl

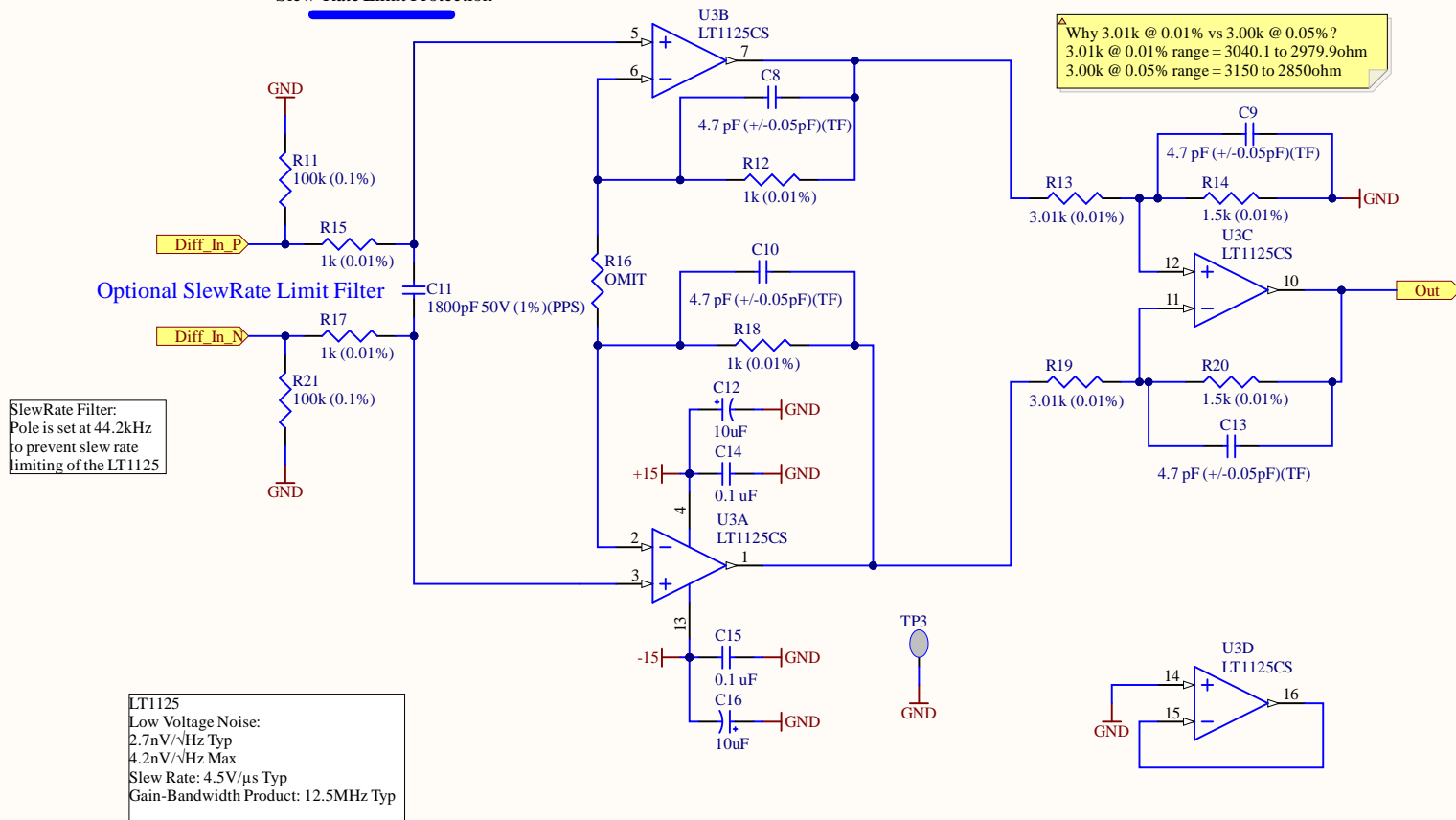
Date: 12/12/2022
Time: 3:26:08 PM

Sheet 3 of 4

File: C:\Dean\A+D2200044 OMC DCPD Whiteness Signal Chain\Whiteness-v2.SchDoc

Differential-to-Single Gain=1/2

Slew-Rate Limit Protection



Title

Differential Reciever AmpLIGO
Caltech
*

Last Edited:

11/15/2022

Size: A

DCC Number: D2200044

Revision: v1

Engineer: Dean Schaezel

Date: 12/12/2022

Time: 3:26:09 PM

Sheet 4 of 4

File: C:\Dean\A+\D2200044 OMC DCPD Whitening Signal Chain\Differential-Reciever-Amp.SchDoc