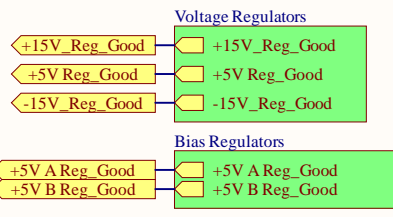
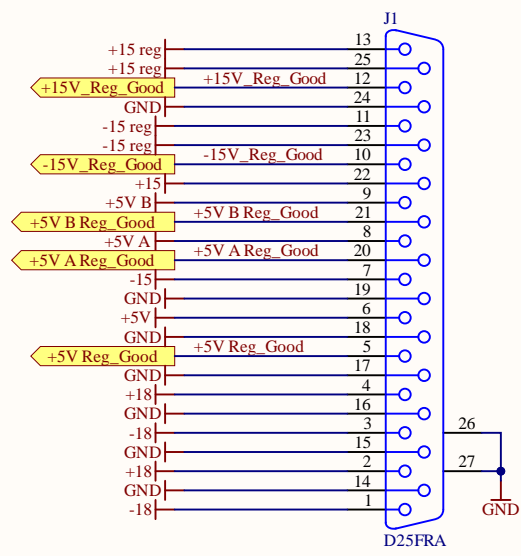
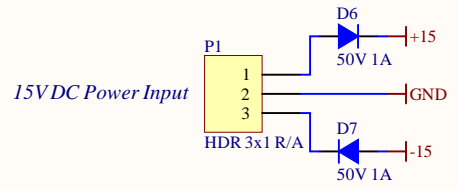


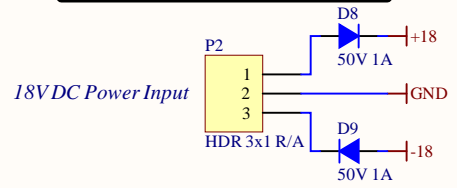
To: Front Interface D2200043



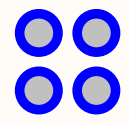
From: Chassis Power +/-15V



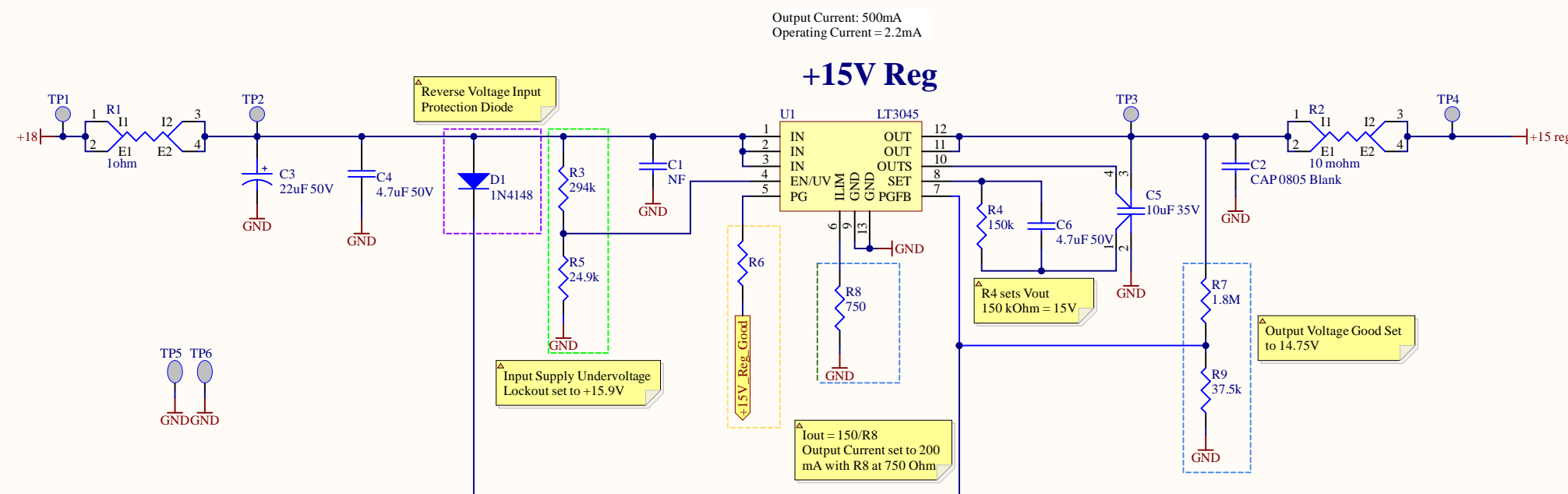
From: Rear Panel +/-18V



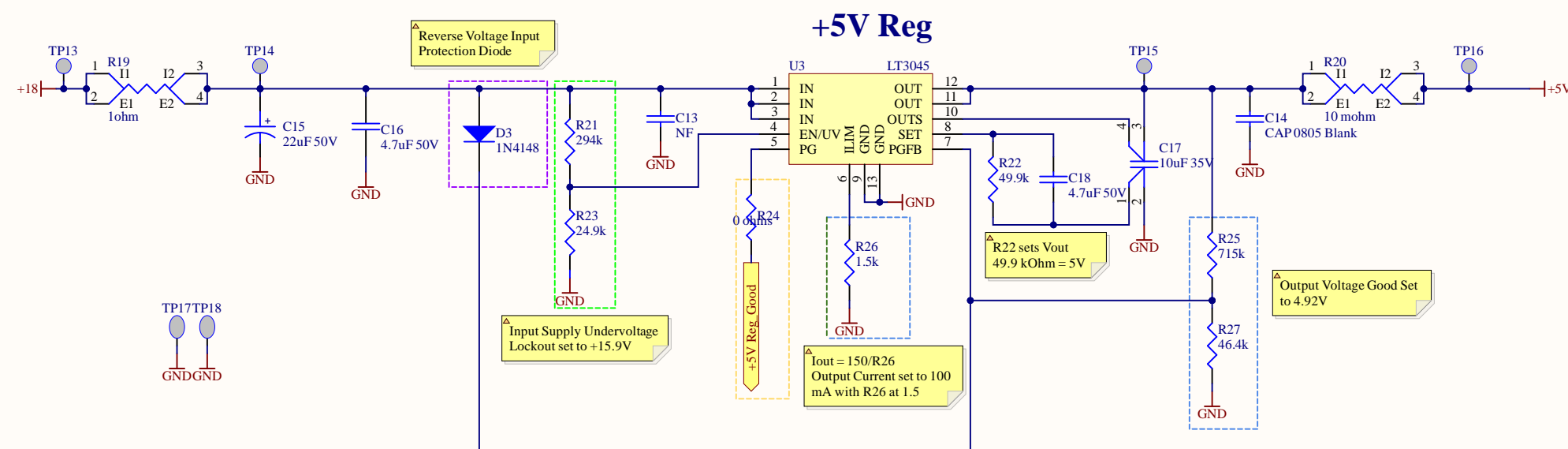
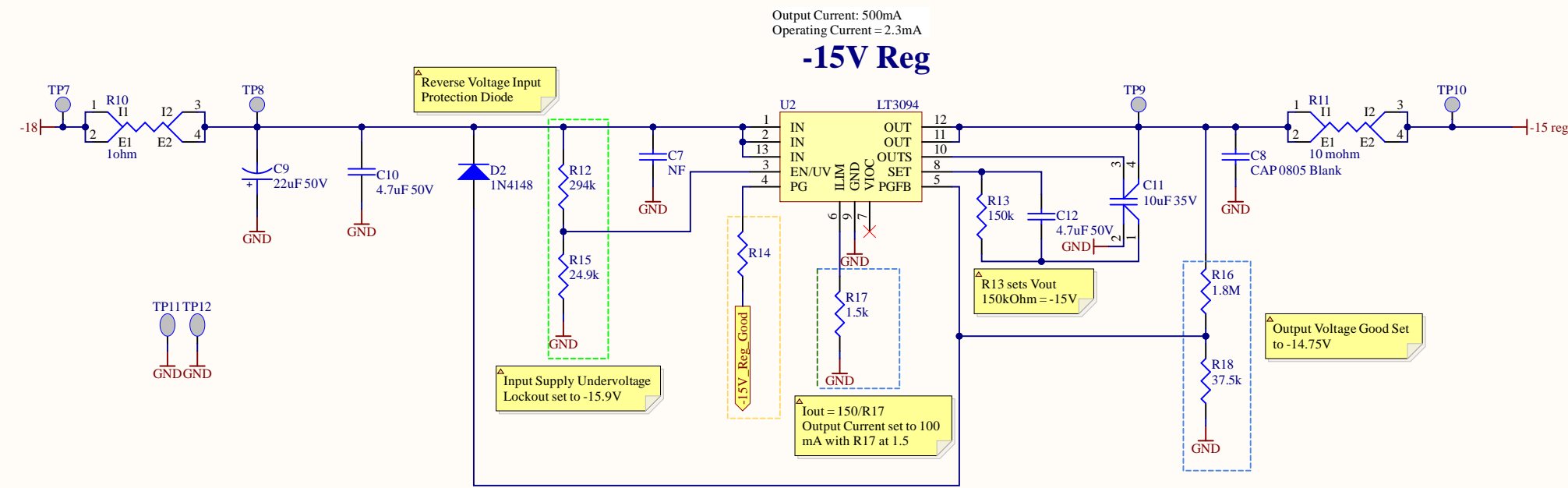
▲ v1 initial release  
 v2 Modified the +15V current limit resistor R8, from 100mA @ 1.5 kohm to 200mA @ 750 ohm



Title		LIGO CalTech		Last Edited: 1/24/2023	
<b>OMC DCPD Whitening</b>		*		LIGO	
Size: A	DCC Number: D2200045	Revision: v2	Engineer: Dean Schaezel	Date: 1/24/2023	
File: C:\Dean\A\D2200045 OMC DCPD Whitening Power\D2200045-v2 OMC DCPD Whitening Power.SchDoc				Time: 2:53:17 PM	
				Sheet 1 of 3	



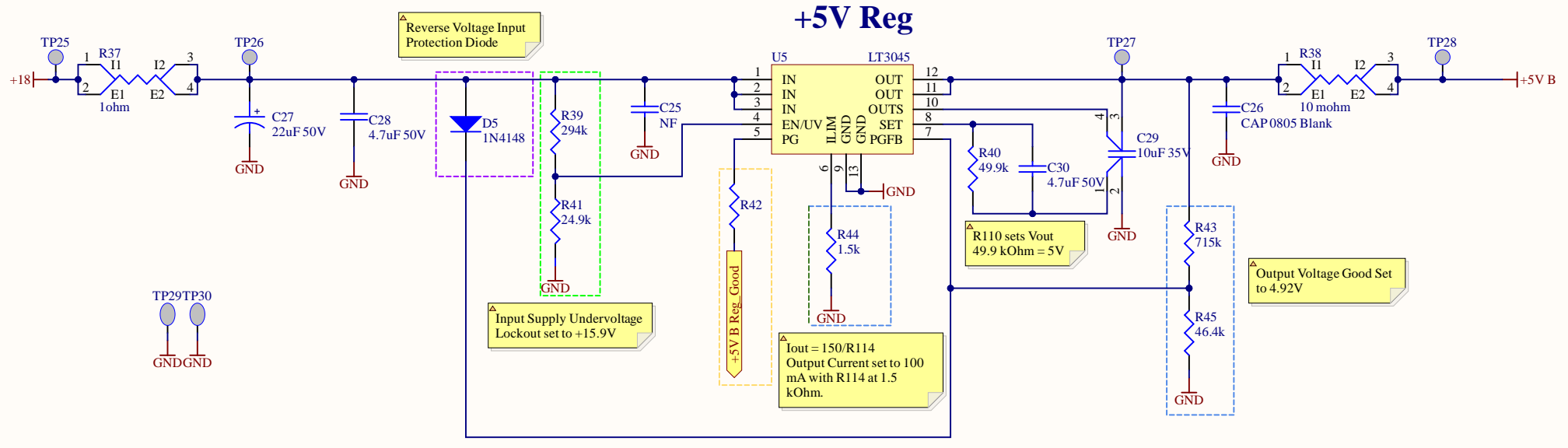
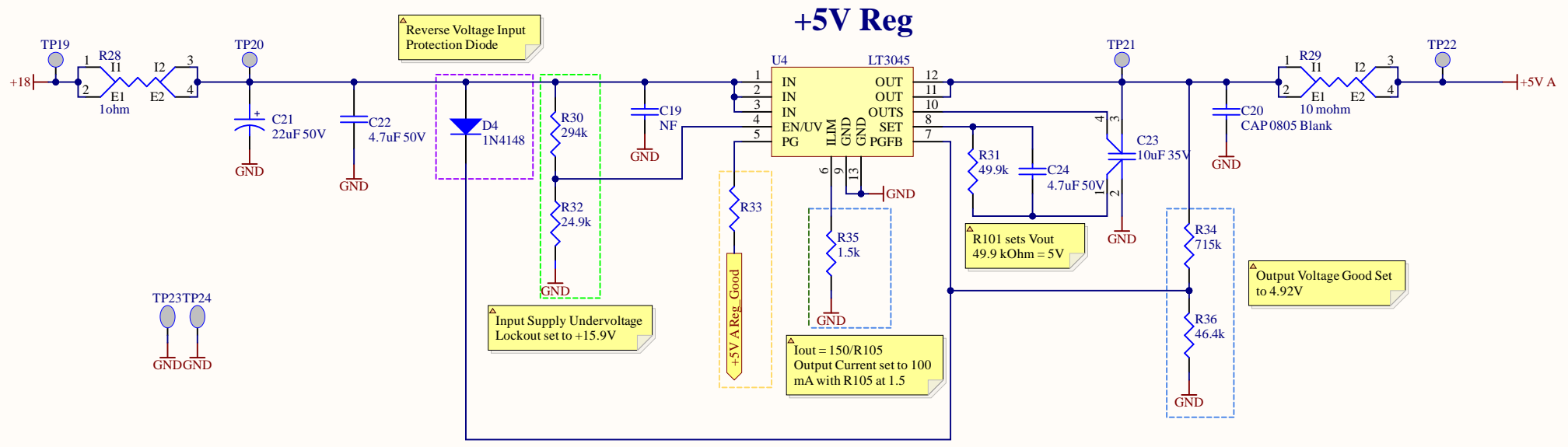
v1 initial release  
v2 Modified the +15V current limit resistor R8, from 100mA @ 1.5 kohm to 200mA @ 750 ohm



Total Idle Current Draw -> Worst Case:  
Trans-Impedance = 21mA \* 4 = 84mA  
Bandpass = 15mA \* 4 = 60mA  
DC Readout = 42mA \* 4 = 168mA  
84mA + 60mA + 168mA = 312mA

Last Edited: 1/24/2023

Title <b>LT3045 / LT3094 Voltage Regulators</b>		LIGO Laboratory California Institute of Technology Massachusetts Institute of Technology		LIGO	
Size: C	DCC Number: D2200045	SCH / PCB Revision: v1	Engineer: Dean Schaezel	Date: 1/24/2023	Time: 2:53:17 PM
File: C:\Dean\A+(D2200045 OMC DCPD Whitening Power Voltage Regulators).SchDoc					Sheet 2 of 3



Last Edited: 11/21/2022

Title <b>Bias Regulators</b>		LIGO * *	
Size: B	DCC Number: D2200045	Revision: v1	Engineer: Dean Schaefer
Date: 1/24/2023			Time: 2:53:17 PM
Sheet 3 of 3			