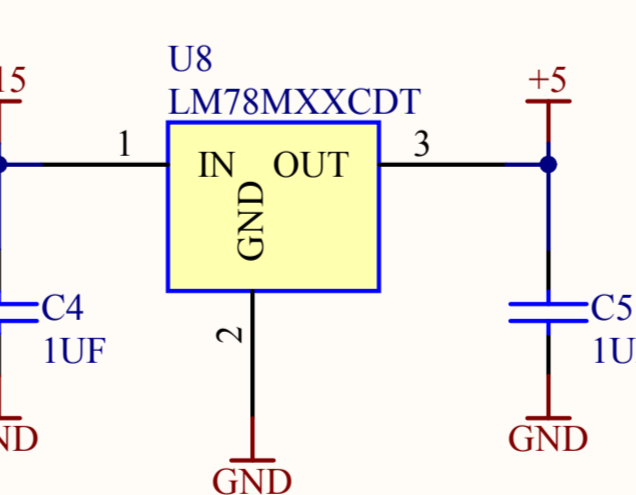
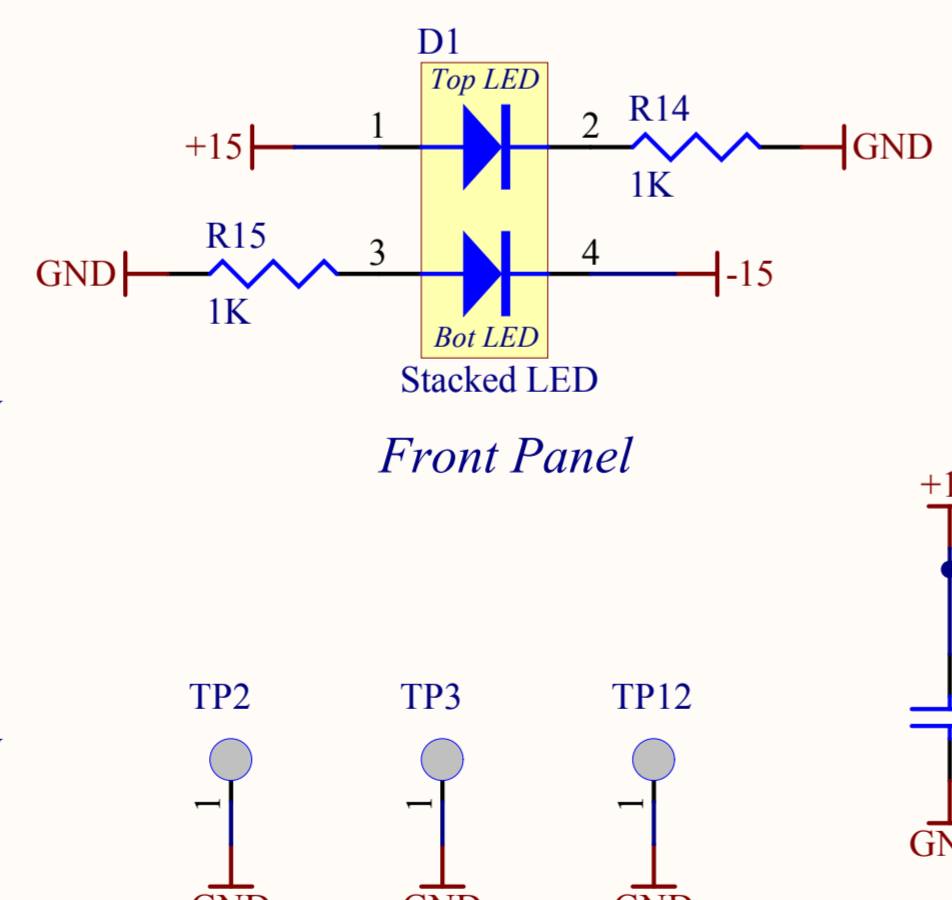
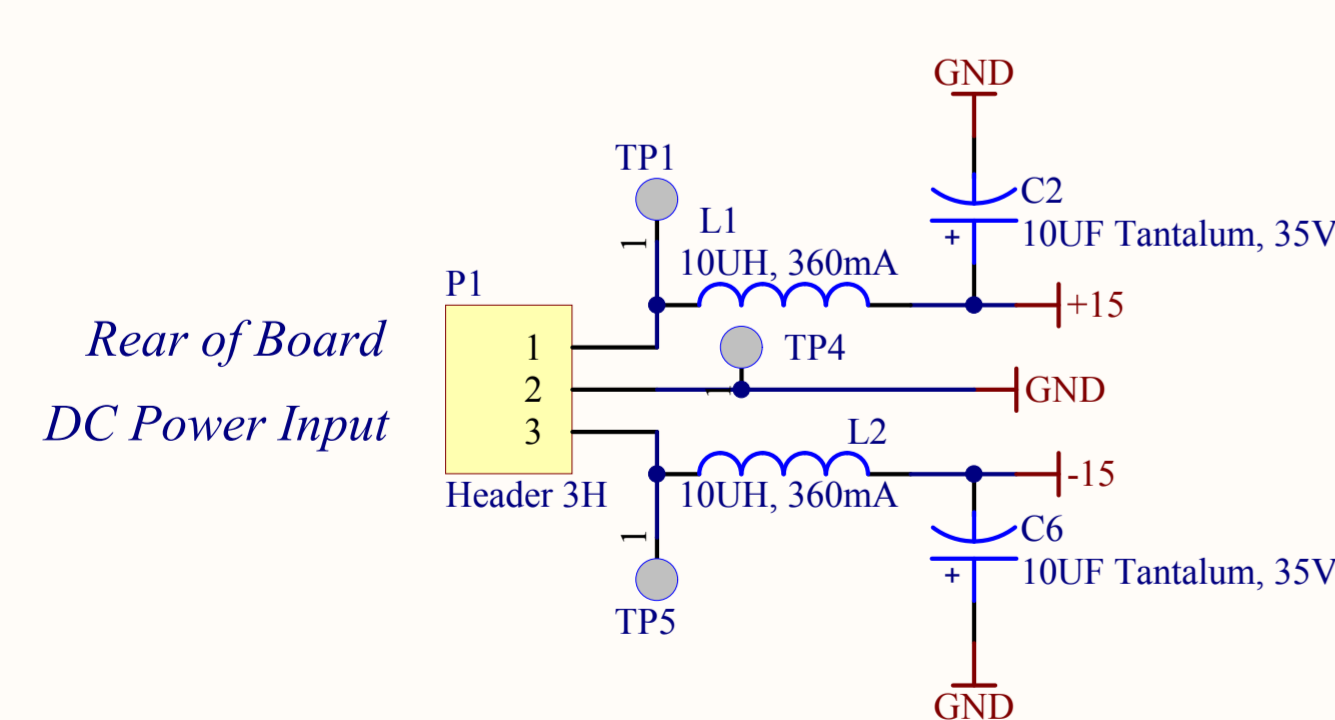


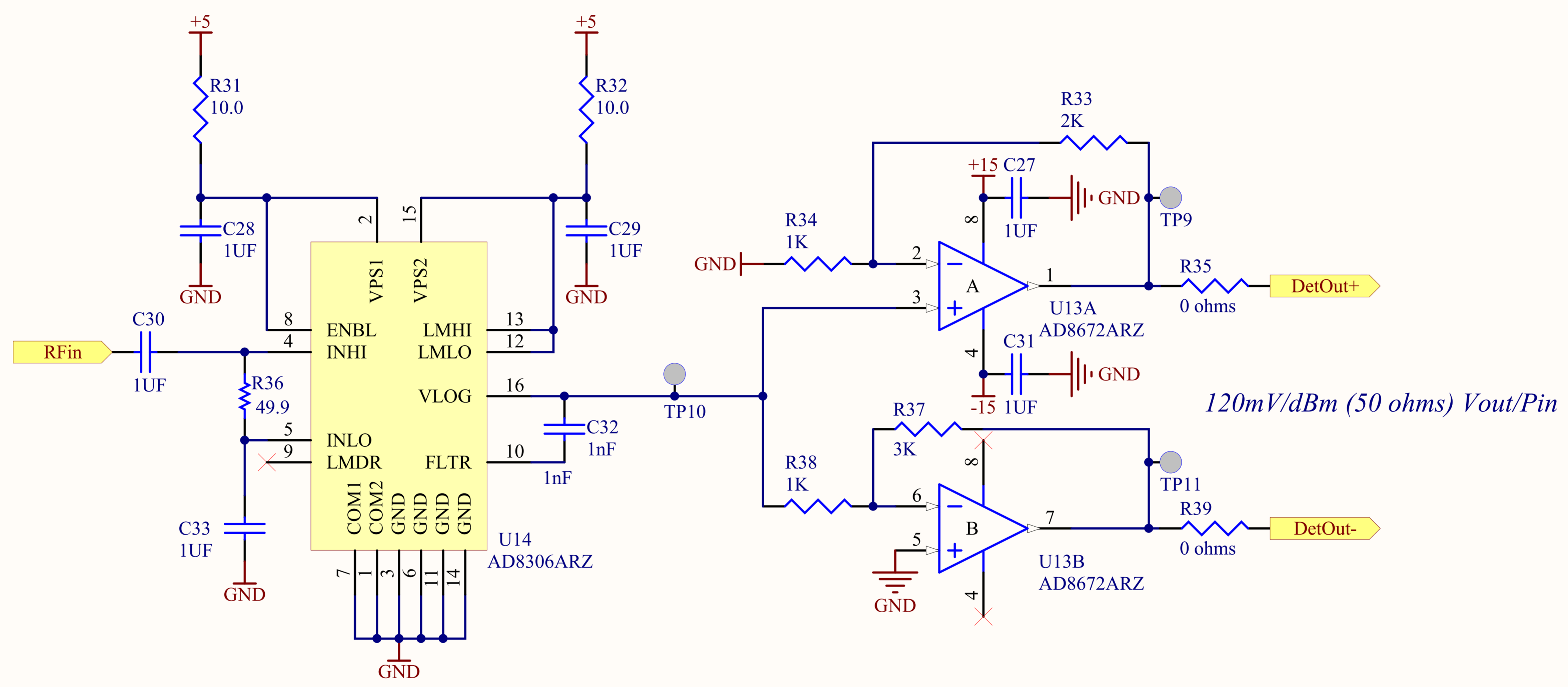
DC Power Requirements Per Board
 +15 at 230mA
 -15 at 80mA



- 7687K-ND gouments used for SMA connectors 1 inside the panel and 1 outside pannel
- J4 Nylon Washer
- J15 Nylon Washer
- J16 Nylon Washer
- J17 Nylon Washer
- SUPPORT FOR PLP-XX LOWPASS FILTER MINIATURE SPRING SOCKETS
- J7 PLP-Socket
- J8 PLP-Socket
- J9 PLP-Socket
- J10 PLP-Socket
- J11 PLP-Socket
- J12 PLP-Socket
- J13 PLP-Socket
- J14 PLP-Socket
- RAF # 3049-B-440-B-16 Standoffs for PCB mouting to Chassis
- P4 Standoff
- P5 Standoff

Title		Last Edited: 22 January 2010	
aLIGO I&Q RF Demodulator		LIGO Laboratory California Institute of Technology Massachusetts Institute of Technology	
Size: B	DCC Number: D0902745-V4	Revision:	Engineer: R. Abbott
File: C:\Documents and Settings\costheld\My Documents\chub_ligo_files\ChubAltium\project_files\Adl_demod\D0902745_v4.SchDoc		Date: 6/25/2010 Time: 8:28:03 AM	
		Page 3 of 3	

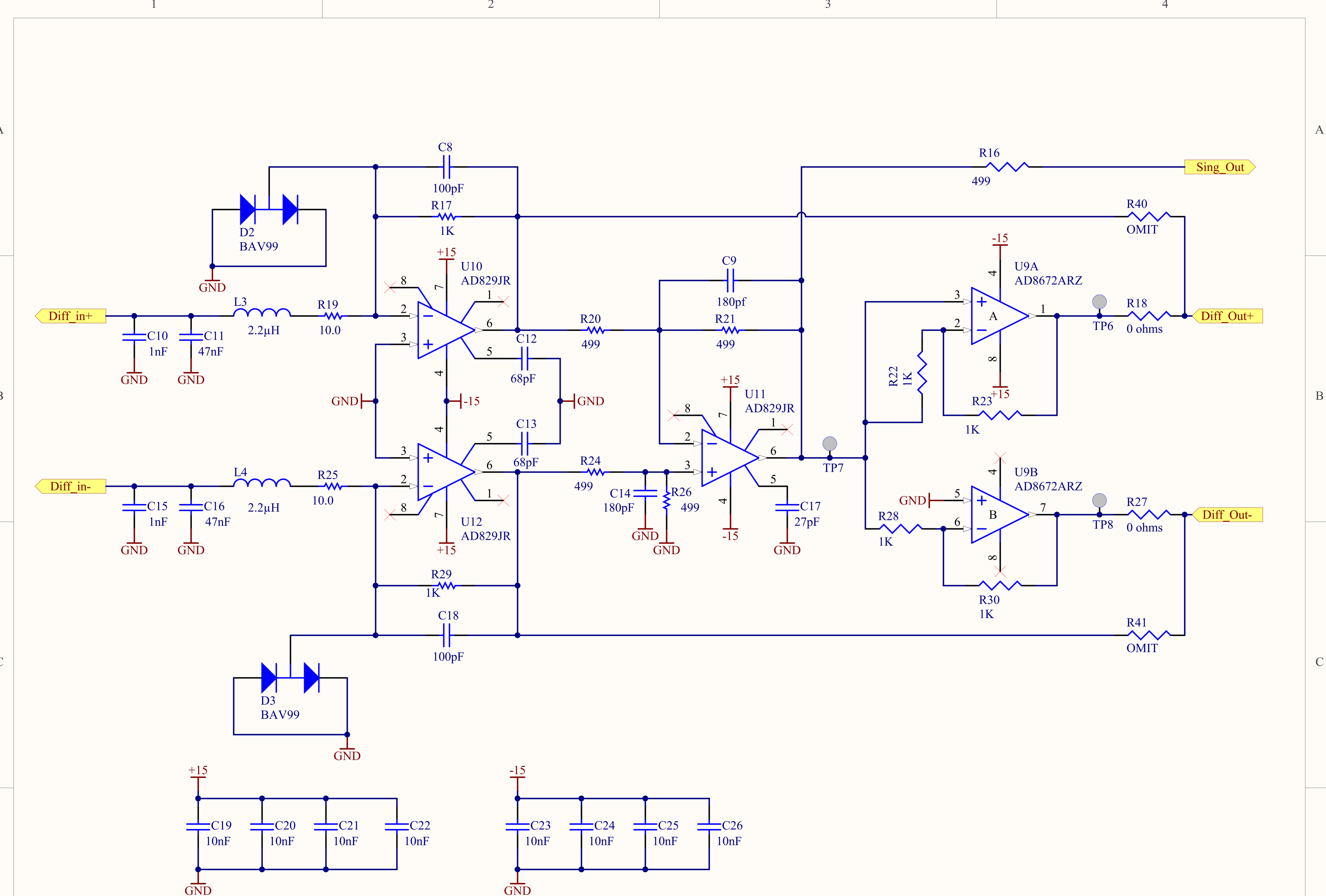
*5 to 400 MHz Log Detector
90 dB Dynamic Range, 10dBm Max RF*



120mV/dBm (50 ohms) Vout/Pin

Last Edited: 22 January 2010

Title <i>RF Logarithmic Detector</i>			LIGO Laboratory California Institute of Technology Massachusetts Institute of Technology		
Size: A	PCB DCC # D0902745	SCH DCC # D0902745-V4	Engineer: R. Abbott	Date: 6/25/2010 Time: 8:28:03 AM	
File: C:\Documents and Settings\costheld\My Documents\chub_ligo_files\ChubAltium\project_files\Adl_demod\rfdet_v4.SchDoc Sheet 2 of 3					

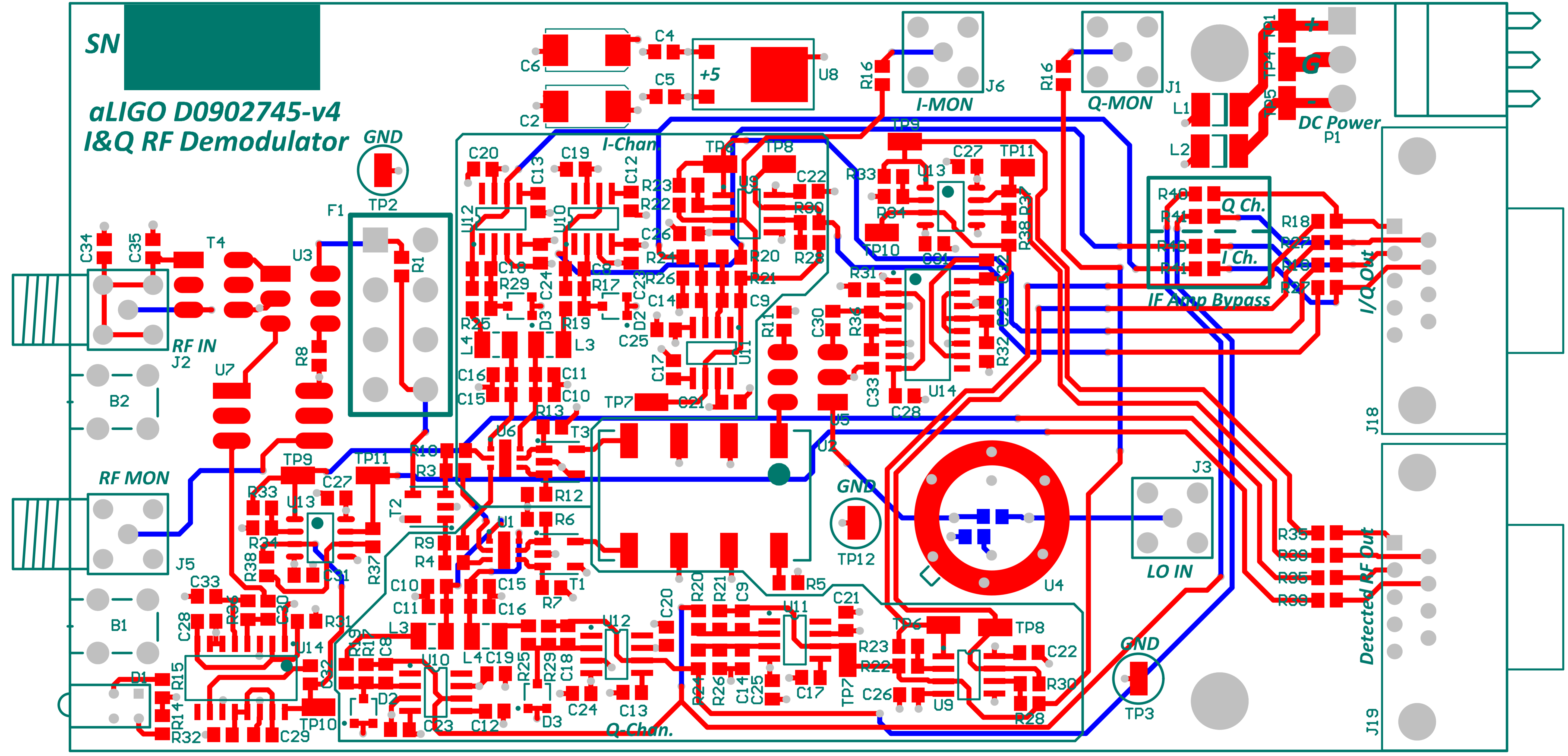


Last Edited: 22 January 2010

Title			LIGO Laboratory California Institute of Technology Massachusetts Institute of Technology		
<p style="text-align: center;">Audio Differential IF Amplifier</p>					
Size: A	PCB DCC # D0902745	SCH DCC # D0902745-V4	Engineer: R. Abbott	Date: 6/25/2010	
File: C:\Documents and Settings\costheld\My Documents\chub_ligo_files\ChubAltium\project_files\Adl_demod\DiffAmp_v4.SchDoc				Time: 8:28:03 AM	
Page 3 of 3					

SN

aLIGO D0902745-v4 I&Q RF Demodulator



GND

+5

I-MON

Q-MON

DC Power
P1

Q Ch.

I Ch.

IF Amp Bypass

I/Q Out

RF MON

GND

LO IN

GND

Detected RF Out