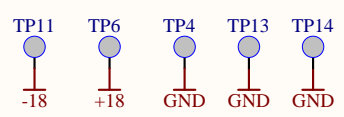


Version 2 schematic uses version 1 circuit board

Voltage Regulator Equations	
LM337	$V_o = -1.25(1 + \text{Radj}/120) + (50\mu\text{A} * \text{Radj})$
LM317	$V_o = 1.25(1 + \text{Radj}/249) + (100\mu\text{A} * \text{Radj})$

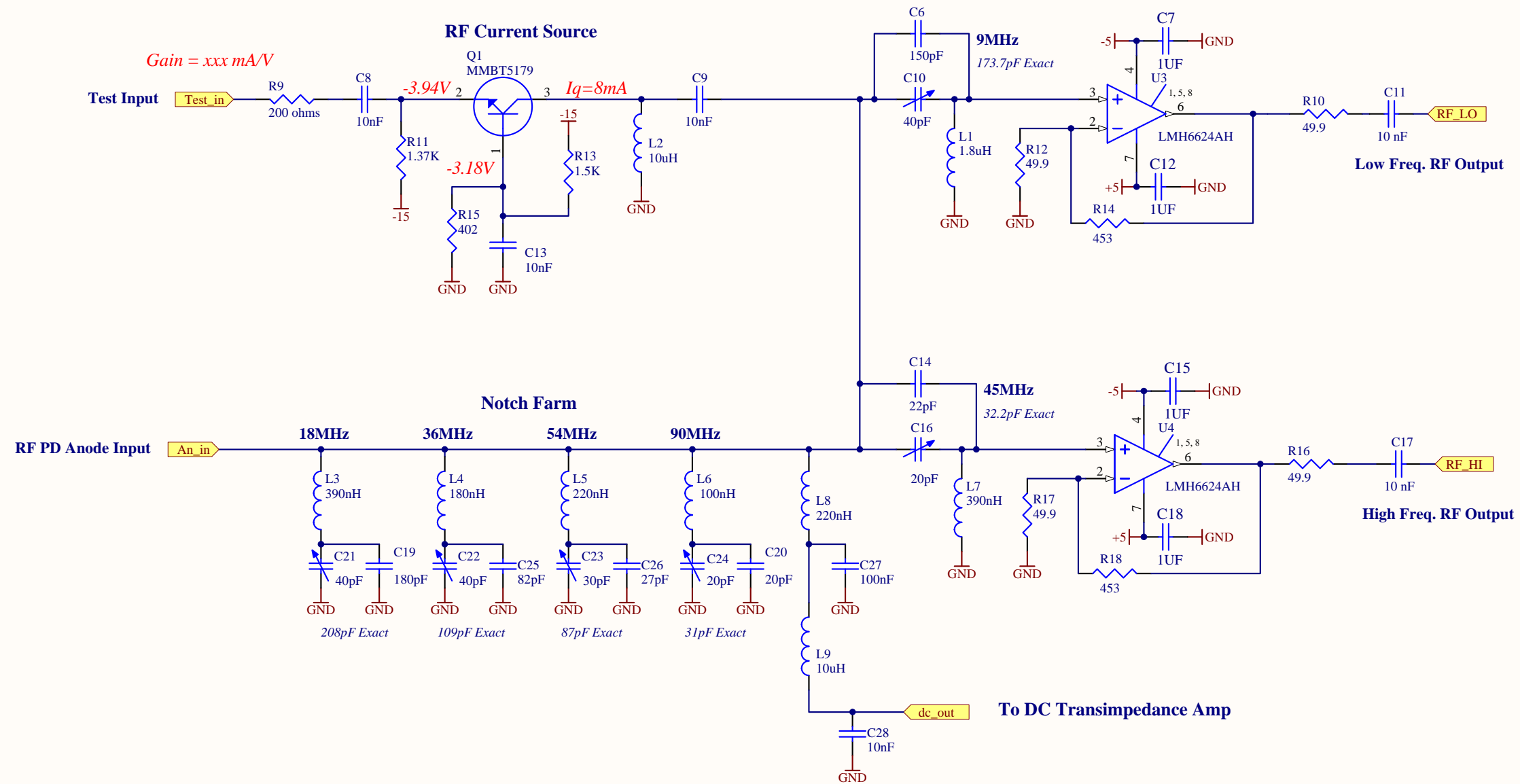


v2 - BOM checked and revised.

Title aLIGO ASC RF Photodetector		Last Edited: 12 March 2012	
Size: B	DCC Number: D1101614	Revision: v2	Engineer: R. Abbott
File: C:\Users\costheld\Documents\chub_ligo_files\ChubAltium\D1101614_ASC_RFPD\D1101614_v1_wfs\alIGO_wfs_tschDoc		Date: 3/12/2012	Time: 2:51:36 PM

LIGO Laboratory
California Institute of Technology
Massachusetts Institute of Technology





9/45 Design Corresponds to: C:\Rich's Files\LT Spice\PhotodiodeAnalysis\lsc_rfpds\alIGO_ASC_2011\9_45_ASC_v2.asc

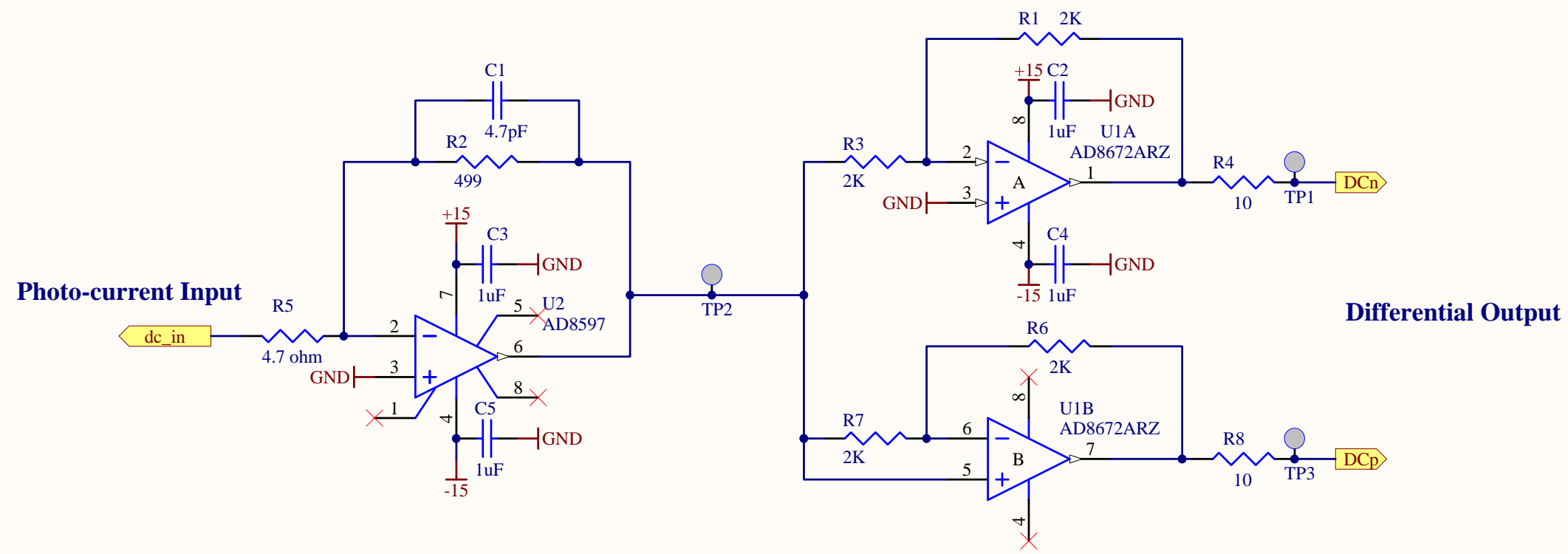
v2 - BOM checked and revised.

Version 2 schematic uses version 1 circuit board

Last Edited: 12 March 2012

Title RF Section		LIGO Laboratory California Institute of Technology Massachusetts Institute of Technology		LIGO	
Size: B	DCC Number: D1101614	Revision: v2	Engineer: R. Abbott	Date: 3/12/2012	Time: 2:52:39 PM
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**DC Transimpedance Amp
(15mA Maximum Photo-current)**



Version 2 schematic uses version 1 circuit board

v2 - BOM checked and revised.

Last Edited: 12 March 2012

Title DC Section		LIGO Laboratory California Institute of Technology Massachusetts Institute of Technology		LIGO	
Size: A	DCC Number: D1101614	Revision: v2	Engineer: R. Abbott	Date: 3/12/2012	Time: 2:54:22 PM
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