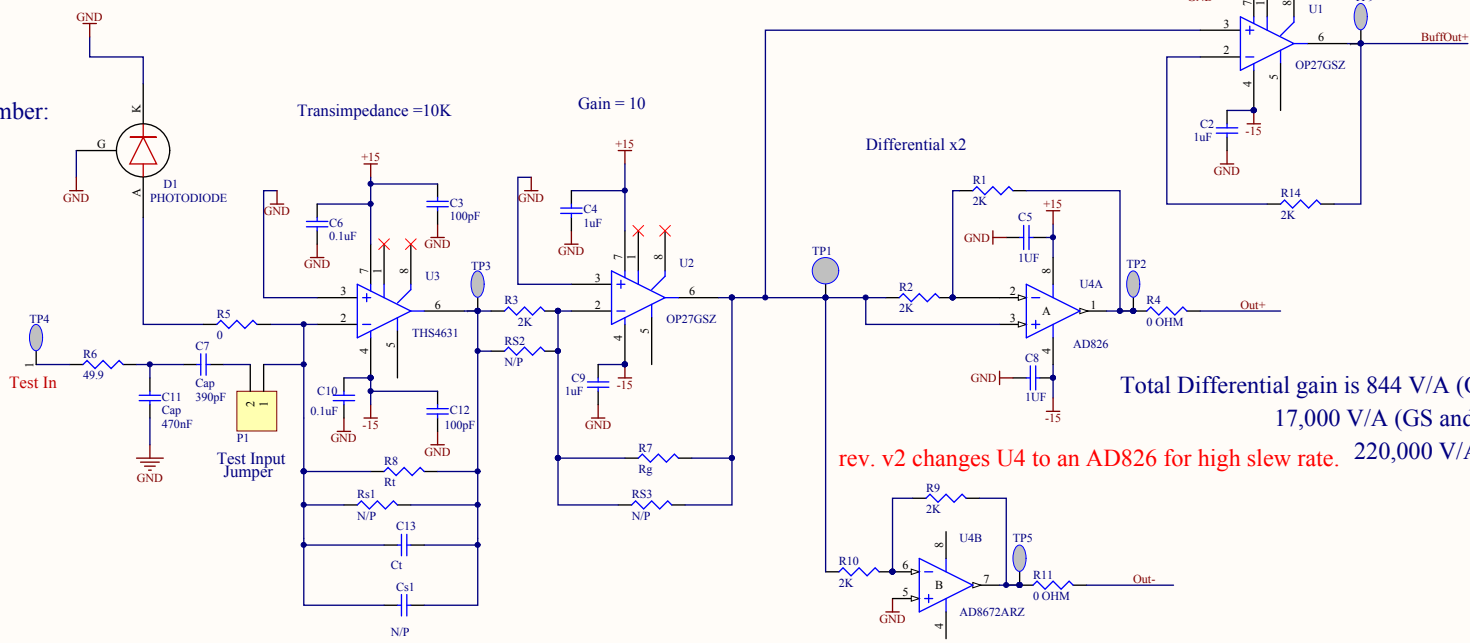


Redundant gain resistors in case pads get lifted
 Interface box with BNC breakout and local power
 BNC breakout on Optical Follower Front Panels for all inputs.

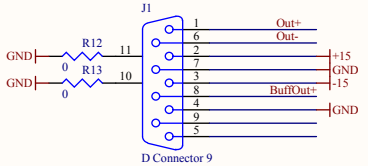
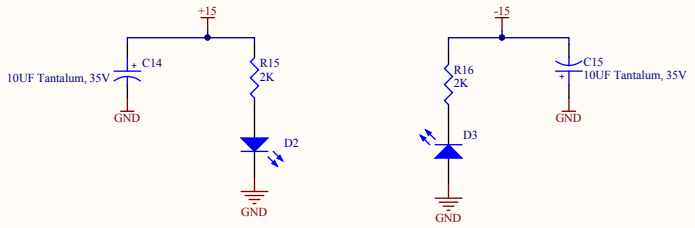
Photodiode Part Number:
 Pacer# C30665GH

Total buffered gain is
 half of the Differential gain.



Total Differential gain is 844 V/A (OFS)
 17,000 V/A (GS and Rx)
 220,000 V/A (Tx)

rev. v2 changes U4 to an AD826 for high slew rate.



Photodiode	Transimpedance Resistor, Rt	Transimpedance Cap., Ct	Gain Resistor, Rg
OFS (10)	P715BCT-ND	30pF	2K
Rx, GS (15)	8.45K	6.8pF	2K
Tx (10)	P66.5KBCCT-ND	1.66pF	20K

Title: **PCal Photodiode Head**

Size: B DCC Number: D1300210

Drawn by: Ben Abbott Date: 6/24/2014 Revision: v2

File: C:\restored\Ben\AOS\PCal Stuff\PCalPD\PCalPD Sch.Doc Time: 4:10:33 PM Sheet 1 of 1

Ligo Project
 California Institute of Technology
 Massachusetts Institute of Technology

