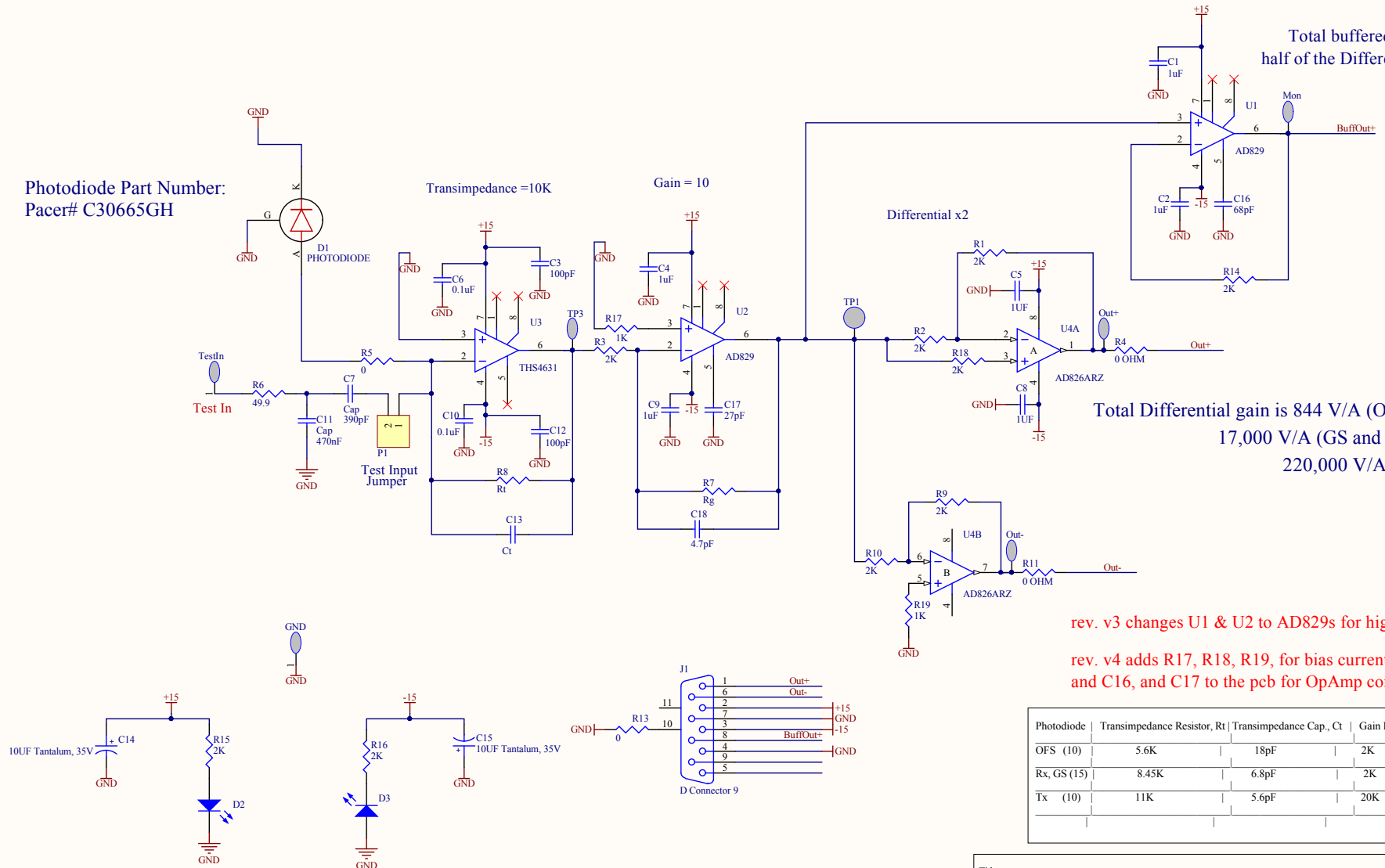


Photodiode Part Number:  
Pacer# C30665GH

Total buffered gain is  
half of the Differential gain.

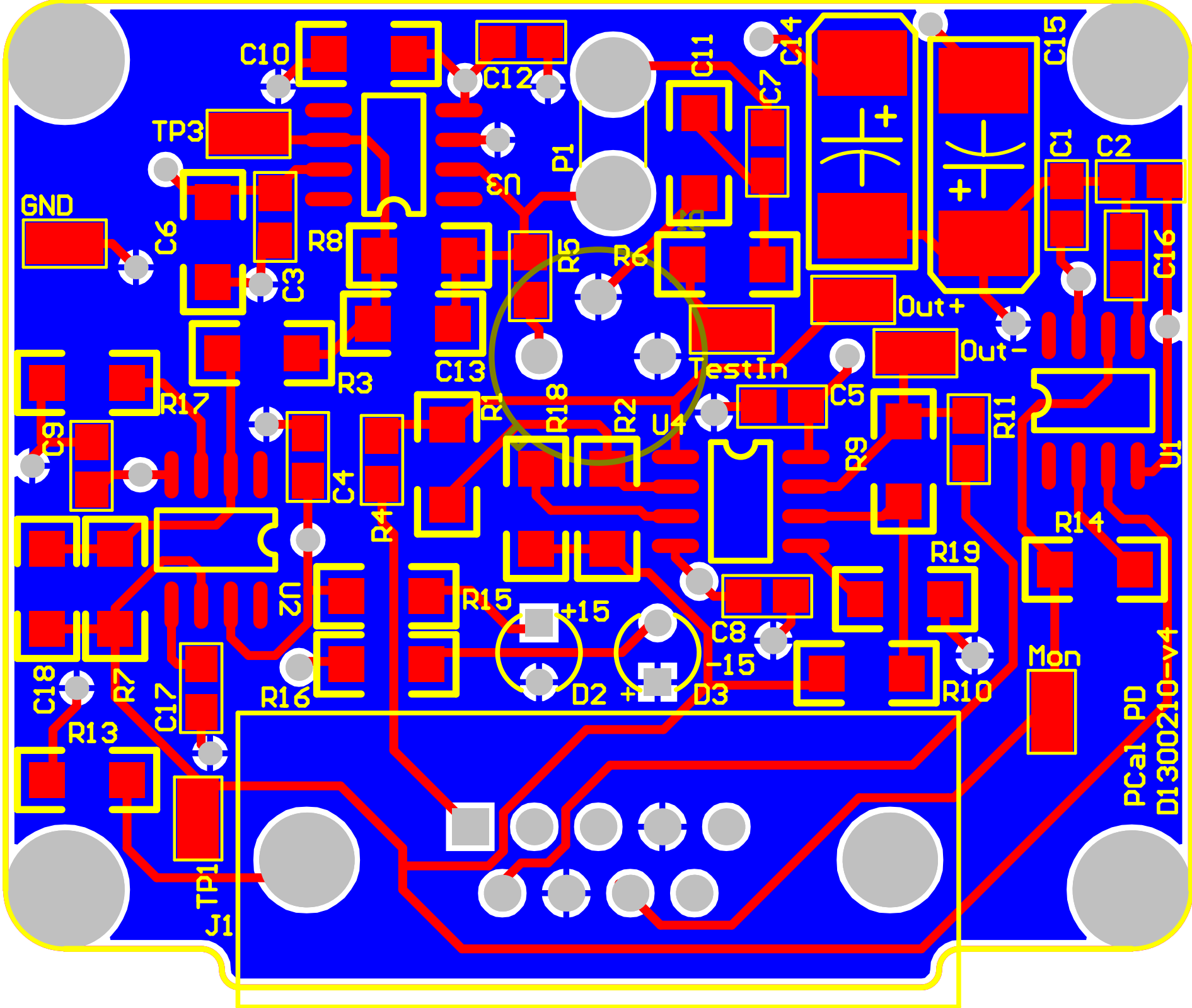
Total Differential gain is 844 V/A (OFS)  
17,000 V/A (GS and Rx)  
220,000 V/A (Tx)

rev. v3 changes U1 & U2 to AD829s for high slew rate.  
rev. v4 adds R17, R18, R19, for bias current balancing,  
and C16, and C17 to the pcb for OpAmp compensation.



Photodiode	Transimpedance Resistor, Rt	Transimpedance Cap., Ct	Gain Resistor, Rg
OFS (10)	5.6K	18pF	2K
Rx, GS (15)	8.45K	6.8pF	2K
Tx (10)	11K	5.6pF	20K

Title <b>PCal Photodiode Head</b>			
Size: B	DCC Number: D1300210	Ligo Project California Institute of Technology Massachusetts Institute of Technology	
Drawn by: Ben Abbott	Date: 2/9/2017	Revision: V4	Cannot open file C:\Restored\Ben\misc\lany\ligolo go_.tjpe
File: C:\restored\Ben\AOS\PCal Stuff\PCalPD\PCalPDv4.SchDoc		Time: 4:43:14 PM	Sheet 1 of 1



PCal\_PD  
D1300210-v4