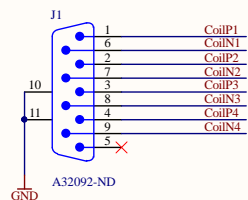
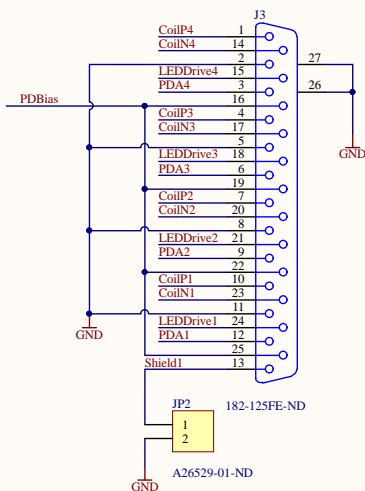


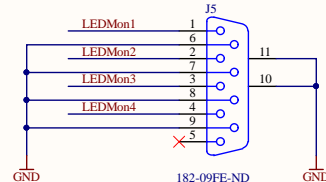
**Coil Driver Inputs
Front Panel**



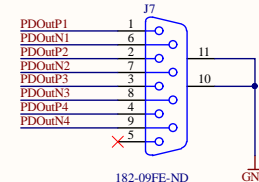
**To Vacuum Flange
Rear Panel**



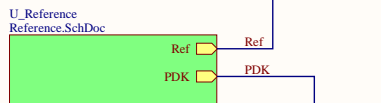
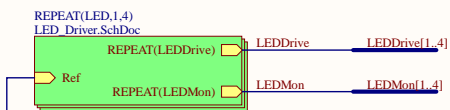
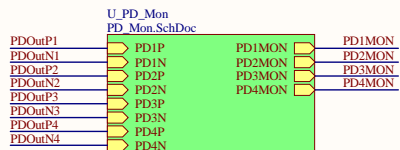
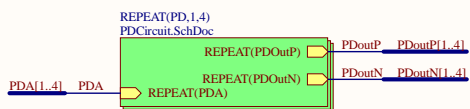
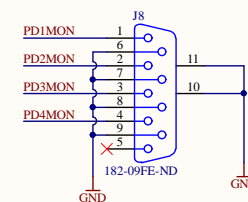
**LED Monitors
Front Panel**



**PD Outputs to AA
Front Panel**



**PD Monitors
Front Panel**



**LIGO OSEM 1-2
B-OSEM 2-3**

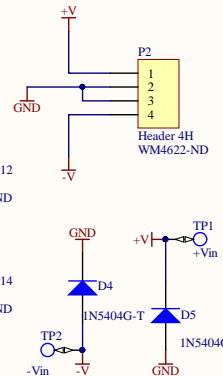
LIGO OSEMs need 10V, BOSEMs need GND

Shield Nominally Tied to GND

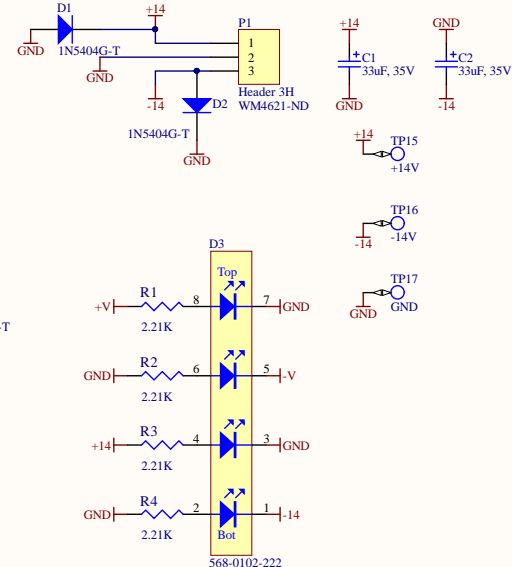
Part1
CONN HOUSING 2POS .100 DUAL ROW
A26997-ND

Part2
CONN HOUSING 2POS .100 DUAL ROW
A26997-ND

Raw DC Power Input



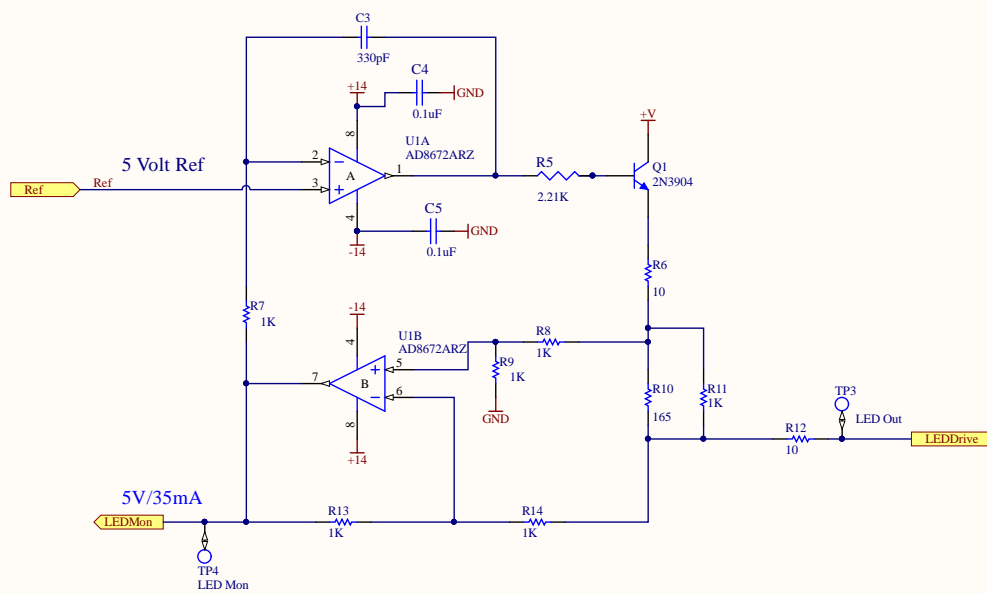
Regulated DC Power Input



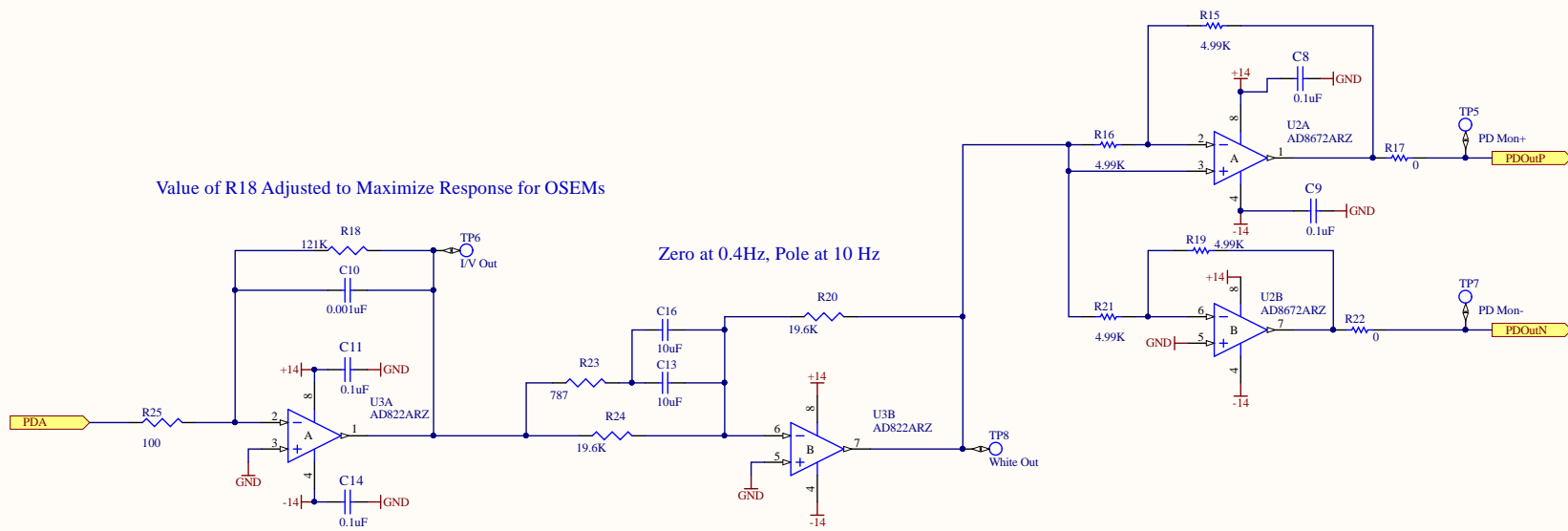
Revision and Modifications on Prototype design:

1. Initial Prototype.
2. Updated BOM 02-19-2020, same schematic and pcb board, R18 change from 150kohms to 121kohms.

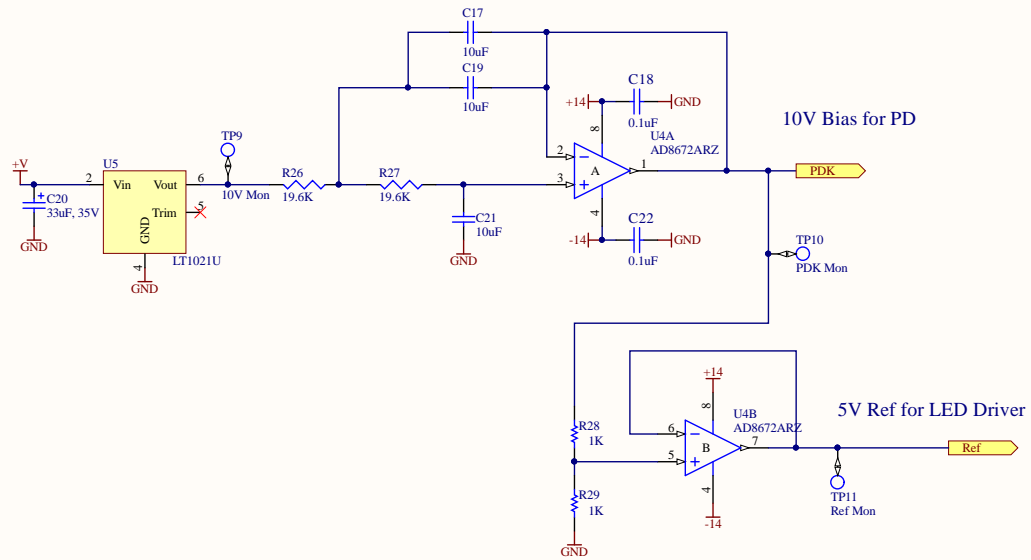
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Size: B	DCC Number: D080276	SCH / PCB Revision: 02	Engineer: J. Heefner	Date: 2/20/2020
File: C:\Users\Public\Documents\Altium\Projects\D080276-v2\Board.SchDoc				Time: 2:13:36 PM Sheet 1 of 3



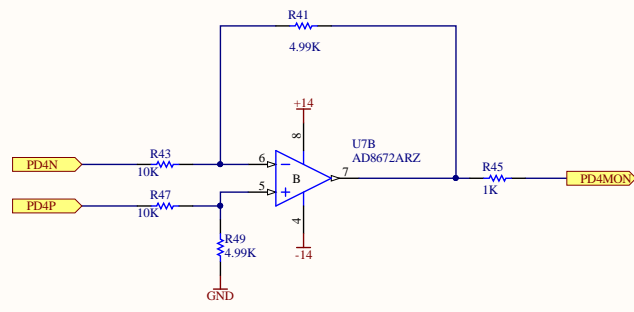
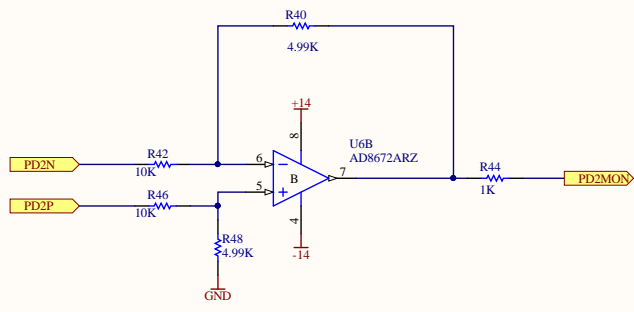
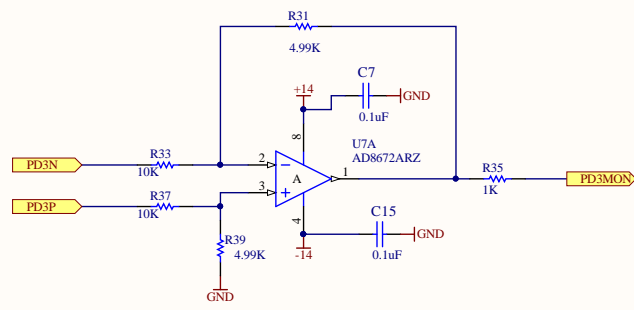
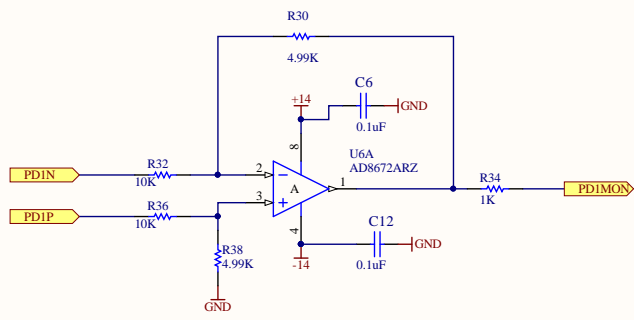
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AdL 4 Channel Satellite Amp					
Size: B	DCC Number: D080276	SCH / PCB Revision: 02	Engineer: J. Heefner	Date: 2/20/2020	
File: C:\Users\Public\Documents\Altium\Projects\D080276-v2\LED_Driver.SchDoc					Time: 2:13:37 PM
					Sheet 2 of 5



Title		LIGO Project California Institute of Technology Massachusetts Institute of Technology			LIGO [®]
AdL 4 Channel Satellite Amp					
Size: B	DCC Number: D080276	SCH / PCB Revision: 02	Engineer: J. Heefner	Date: 2/20/2020	
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					Sheet 3 of 5



Title		LIGO Project		LIGO [®]	
AdL 4 Channel Sat Amp		California Institute of Technology		Massachusetts Institute of Technology	
Size: B	DCC Number: D080276	SCH / PCB Revision: 02	Engineer: J. Heefner	Date: 2/20/2020	Time: 2:13:37 PM
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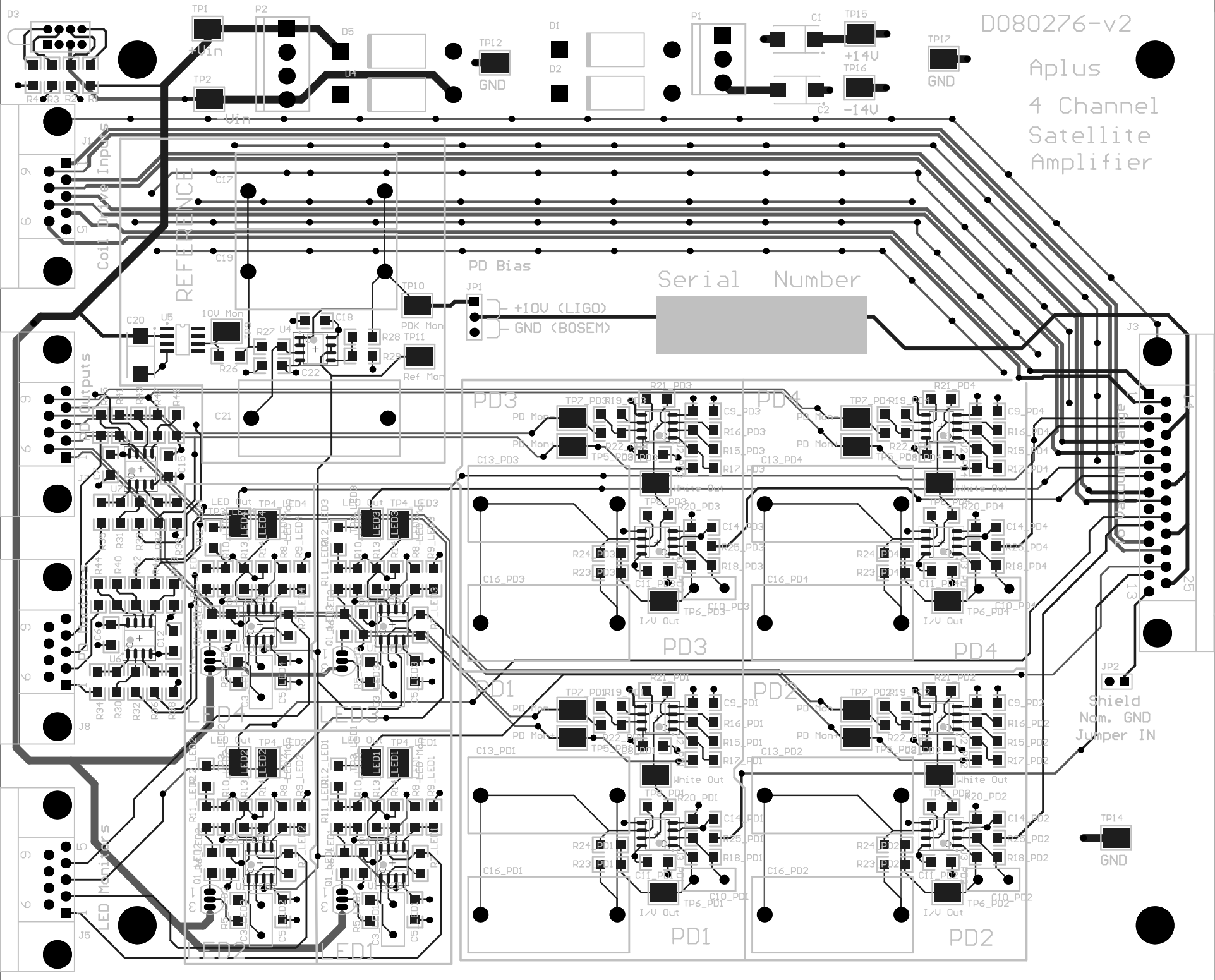


Title		LIGO Project California Institute of Technology Massachusetts Institute of Technology			LIGO [®]
AdL 4 Channel Sat Amp					
Size: B	DCC Number: D080276	SCH / PCB Revision: 02	Engineer: J. Heefner	Date: 2/20/2020	
File: C:\Users\Public\Documents\Altium\Projects\D080276-v2\PD_Mon.SchDoc					Time: 2:13:37 PM
					Sheet 3 of 5

8000 (mil)

D080276-v2

Aplus
4 Channel
Satellite
Amplifier



6500 (mil)