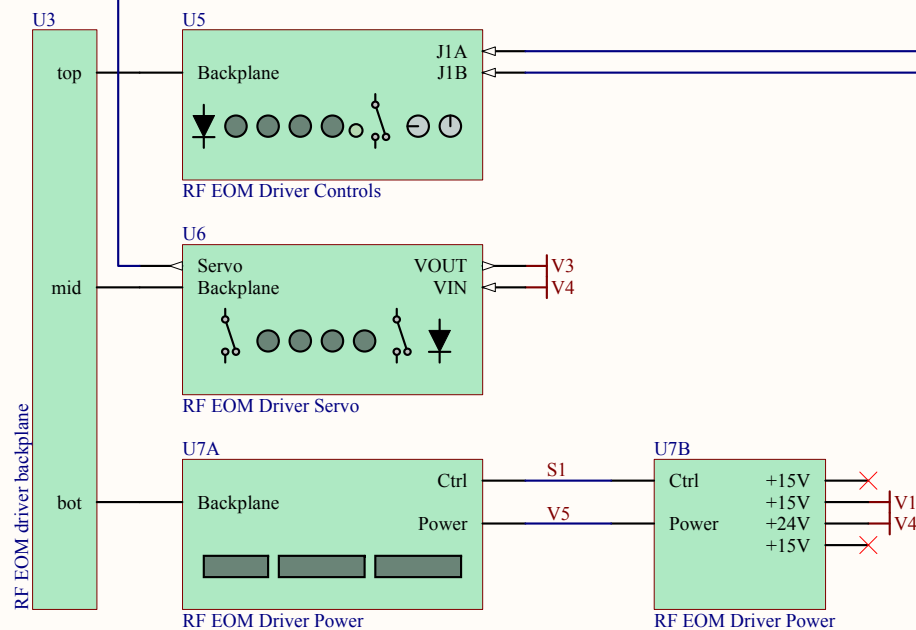


Assembly instructions:

- Prepare V5 and solder into small power board.
- Make sure Q9 is not stuffed and jumper W1 is soldered.
- Attach the small power board to the rear panel using the insulators for the TO-220 packages. Check for shorts!
- Mount the SMA feedthroughs, power feedthrough, ground turrets and 15mm/M3 standoff (one ground turret asseccible inside).
- Mount RF amplifier on the outside and fit cables C3 and C4. Solder cable V2 between amplifier and power feedthrough/ground turret. (The ZHL-3A requires a mounting plate; use thermal paste.)
- Solder cable V3 on the inside. V3 terminates on
- Attach attenuator board to SMA feedthrough at amplifier input. (Use M3 washers as shims; Attach power cable V1 to +15V.)
- Attach stand-offs for heatsink.
- Mount RF couplers onto power board.
- Attach optional bandpass filter to SMA feedthrough at amplifier output.
- Make cables C5 and C6 and connect.
- Prepare cables C7 and C8.
- Prepare S1 flat ribbon.
- Mount N/SMA feedthroughs to front panel.
- Mount stops on coarse dBm rotary switch to prevent switching between lowest and highest setting.
- Fasten controls, servo and power boards to front panel.
- Attach backplane (long end on the bottom) using long screws.
- Insert optional attenuator and filter to input connector. Attach cables C1 and C2 to front panel.
- Mount rear panel to enclosure.
- Mount front panel to enclosure and connect remaining cables.
- Mount heatsink to rear using thermal pad.
- Close it, power up and watch for smoke!



PN1 Stand-alone 2U chassis LIGO D1500090-v1	PN4 ZHL-3A spacer LIGO D1500076-v1	PN6 Heatsink Wakefield 512-3M
PN2 Front Panel LIGO D0900762-v2	PN5 Thermal paste Digi-Key 345-1009-ND	PN7 Thermal pad Digi-Key BER162-ND
PN3 Rear Panel LIGO D0900763-v2		

board height at 0.5" (top) and 1.2" (top) and 2.2" (top)

Make sure output load is connected before turning driver on!

Title EOM/AOM Driver		
Size B	Number D0900760	Revision B
Date: 2/26/2015	Sheet 1 of 2	
File: D:\Users\...\EOMDriver1.SchDoc	Drawn By: Daniel Sigg	

