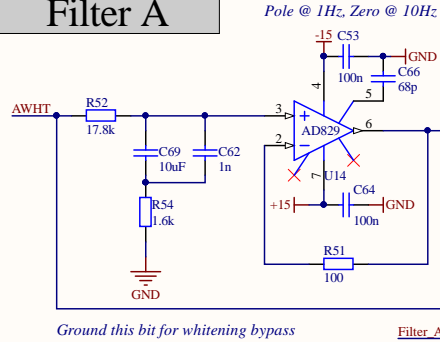


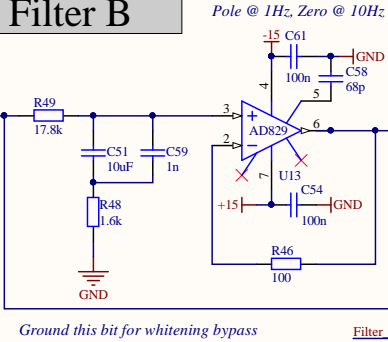
|   |              |       |   |  |  |
|---|--------------|-------|---|--|--|
| Title <b>AM-AOM Power Conditioner</b>   |              |       | LIGO Laboratory<br>California Institute of Technology<br>Massachusetts Institute of Technology<br>National Science Foundation |  |  |
| Size: Legal   | DCC:D1900049 | REV:1 |   |  |  |
| Date: 3/15/2019 Time:8:55:52 AM   | Sheet 1 of 2 |       | Author: M. Pirello, D. Sigg   |  |  |
| File: C:\Users\marc.pirello\Altium\Solutions\SQZ - AOM-AM PSC\AM-AOM-1.SchDoc |              |       |   |  |  |



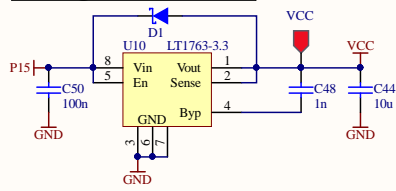
### Filter A



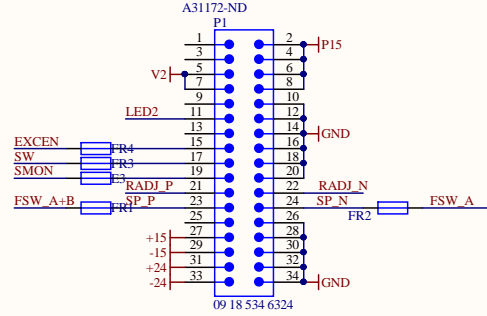
### Filter B



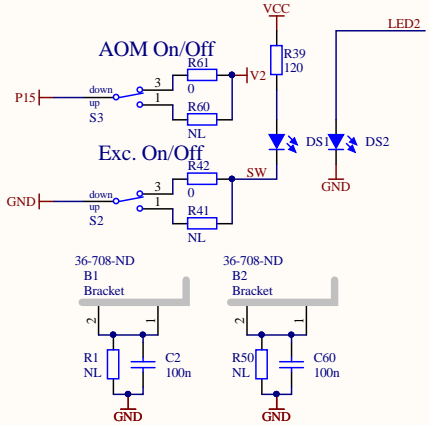
### Logic Power



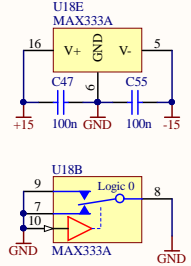
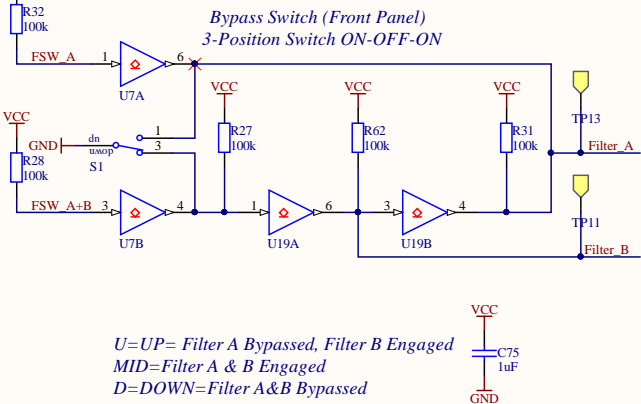
### To RF Interface



### Excitation/AOM Switch



### Switch Logic



- |                   |                   |
|-------------------|-------------------|
| H1 #4 screw, 3/8" | H2 #4 screw, 3/8" |
| H3 #4 screw, 3/8" | H4 #4 screw, 3/8" |
| H5 #4 lock washer | H6 #4 lock washer |
| H7 #4 lock washer | H8 #4 lock washer |
| H9 #4 nut         | H10 #4 nut        |
| H11 #4 nut        | H12 #4 nut        |

|   |              |       |   |  |  |
|---|--------------|-------|---|--|--|
| Title <b>AM-AOM Power Conditioner</b>   |              |       | LIGO Laboratory<br>California Institute of Technology<br>Massachusetts Institute of Technology<br>National Science Foundation |  |  |
| Size: Legal   | DCC:D1900049 | REV:1 |   |  |  |
| Date: 3/15/2019 Time:8:55:53 AM   | Sheet 2 of 2 |       | Author: M. Pirello, D. Sigg   |  |  |
| File: C:\Users\marc.pirello\Altium\Solutions\SQZ - AOM-AM PSC\AM-AOM-2.SchDoc |              |       |   |  |  |



# AM-AOM Power Conditioner

D1900049  
rev. 1 / serial [redacted]

