

MEMORANDUM

DATE: February 22, 2018

TO: SQZ team FROM: Daniel Sigg, Marc Pirello SUBJECT: Modifications to the Optical Fiber Switch Refer to: LIGO-E1700364-v2

This document lists the modifications to the Optical Fiber Switch based on v1 schematic located here <u>D1700326</u>.

Board modifications

Change 1:

Cut all four thermals on underside of PCB around pin 3, ensure they are not electrically connected to the GND plane. Also, remove solder mask next to pin 4 and bridge from pin 4 to the cleared solder mask (pad).



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Change 2:

/er p (All Layers): 0.032mm mm Ho oot Sr GND 2 24 2 NetJ3 3 GND 24V 6 4 24V 1 NetJ3 24V

Cut 24V trace originating at J3 pin 4 as shown. Jump from J3 pin 3 to Cathode at D3.

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E1800045-v1