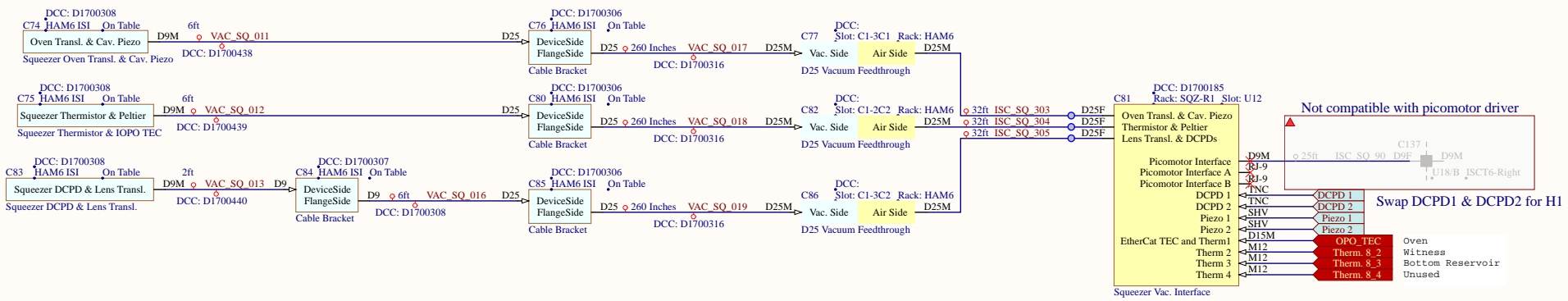


A

B

C

D



Not compatible with picomotor driver

Swap DCPD1 & DCPD2 for HI

	LHO	LLO
DCPD1	Red/CLF	Green pump
DCPD2	Green pump	Red/CLF

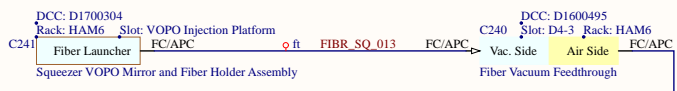
**Key**

- Red arrow: Ties to Beckhoff
- Green arrow: Beckhoff Distribution
- Blue dot: Dot Identifies Cable Shield Terminating to Backshell
- Blue triangle: Pin With Triangle Indicates Pin on Rear or the Like
- Black triangle: Pin With No Triangle Indicates Pin on Front or the Like
- Light Blue Symbols: Are In-Vacuum
- Yellow Symbols: Are In-Air

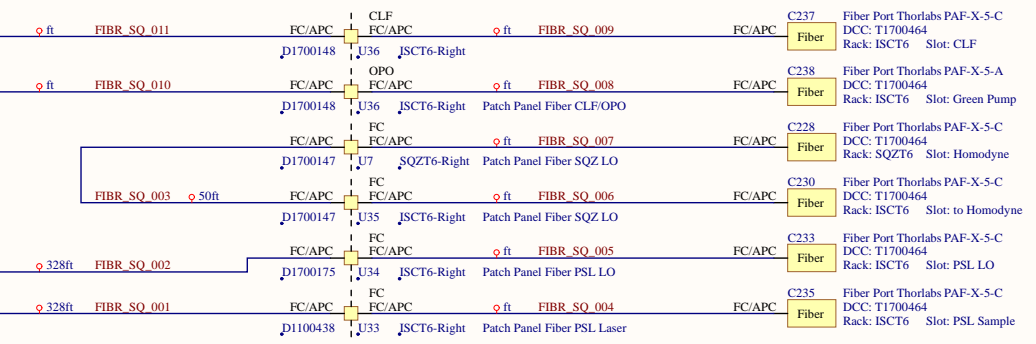
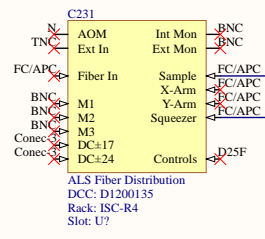
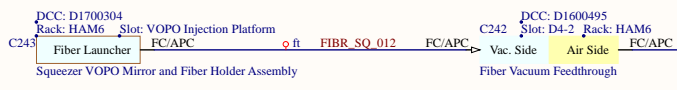
Title		Last Edited: 10/16/2018	
<b>Squeezers In-Vacuum Controls</b>		LIGO Laboratory California Institute of Technology Massachusetts Institute of Technology	
Size: B	DCC Number: D1700384	Revision: V6	Engineer: R. Abbott
File: C:\Users\daniel\Desktop\squeezers\SqueezersWire_v6\ISC\Squeezers\SqueezersWire_V7\SqueezersInVacControls_v7.SchDoc		Date: 10/16/2018	Time: 5:08:56 PM
		Sheet 1 of 11	

1 2 3 4 5 6

**CLF**



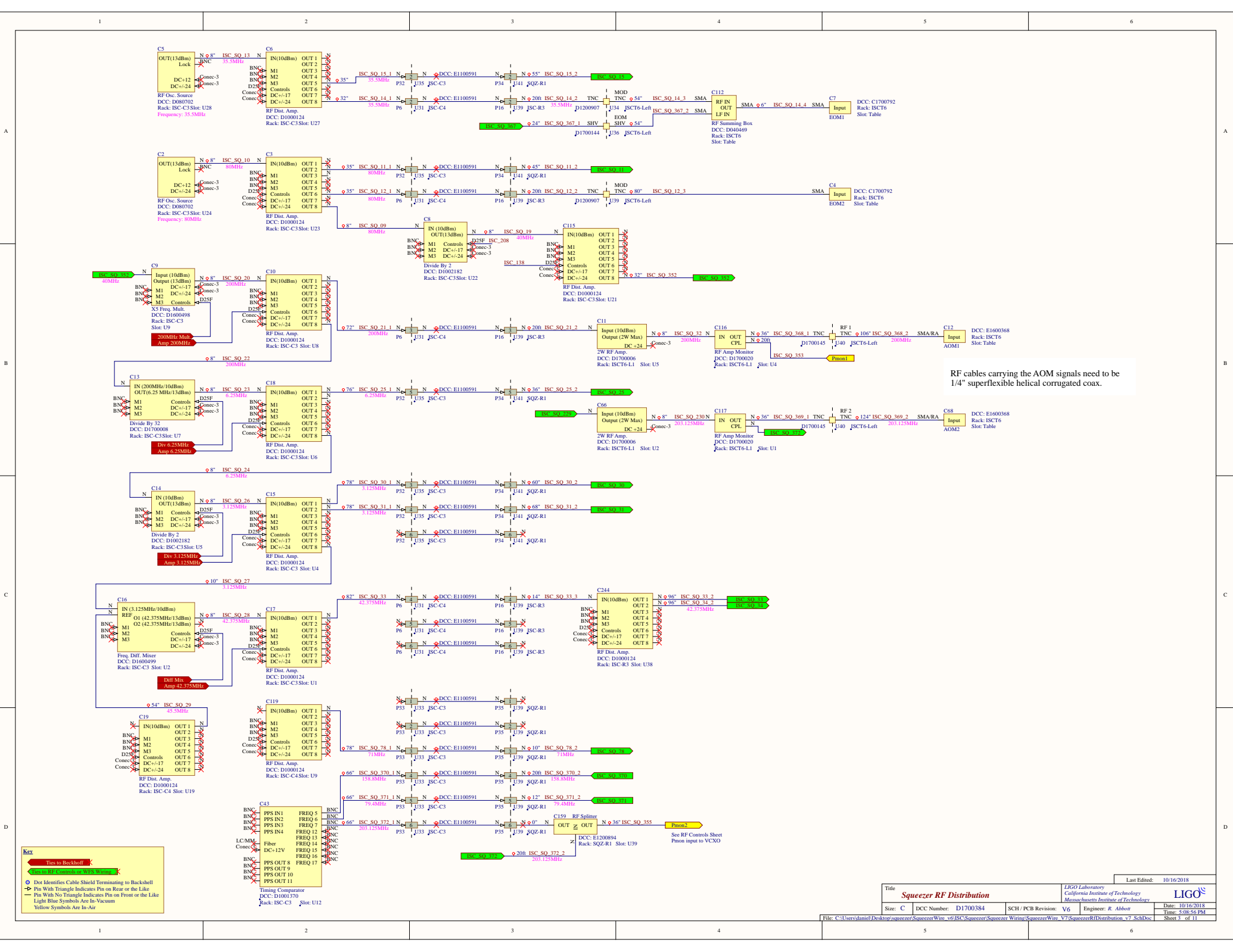
**OPO**



Last Edited: 10/2/2017

Title		LIGO Laboratory California Institute of Technology Massachusetts Institute of Technology		LIGO	
Squeezer Fiber Connections					
Size: B	DCC Number: D1700384	Revision: V6	Engineer: R. Abbott	Date: 10/16/2018	Time: 5:08:56 PM
File: C:\Users\daniel\Desktop\squeezer\SqueezerWire_v6\ISC\Squeezer\Squeezer Wiring\SqueezerWire_V7\SqueezerFiber_v7.SchDoc				Sheet 2 of 11	

1 2 3 4 5 6



RF cables carrying the AOM signals need to be 1/4" superflexible helical corrugated coax.

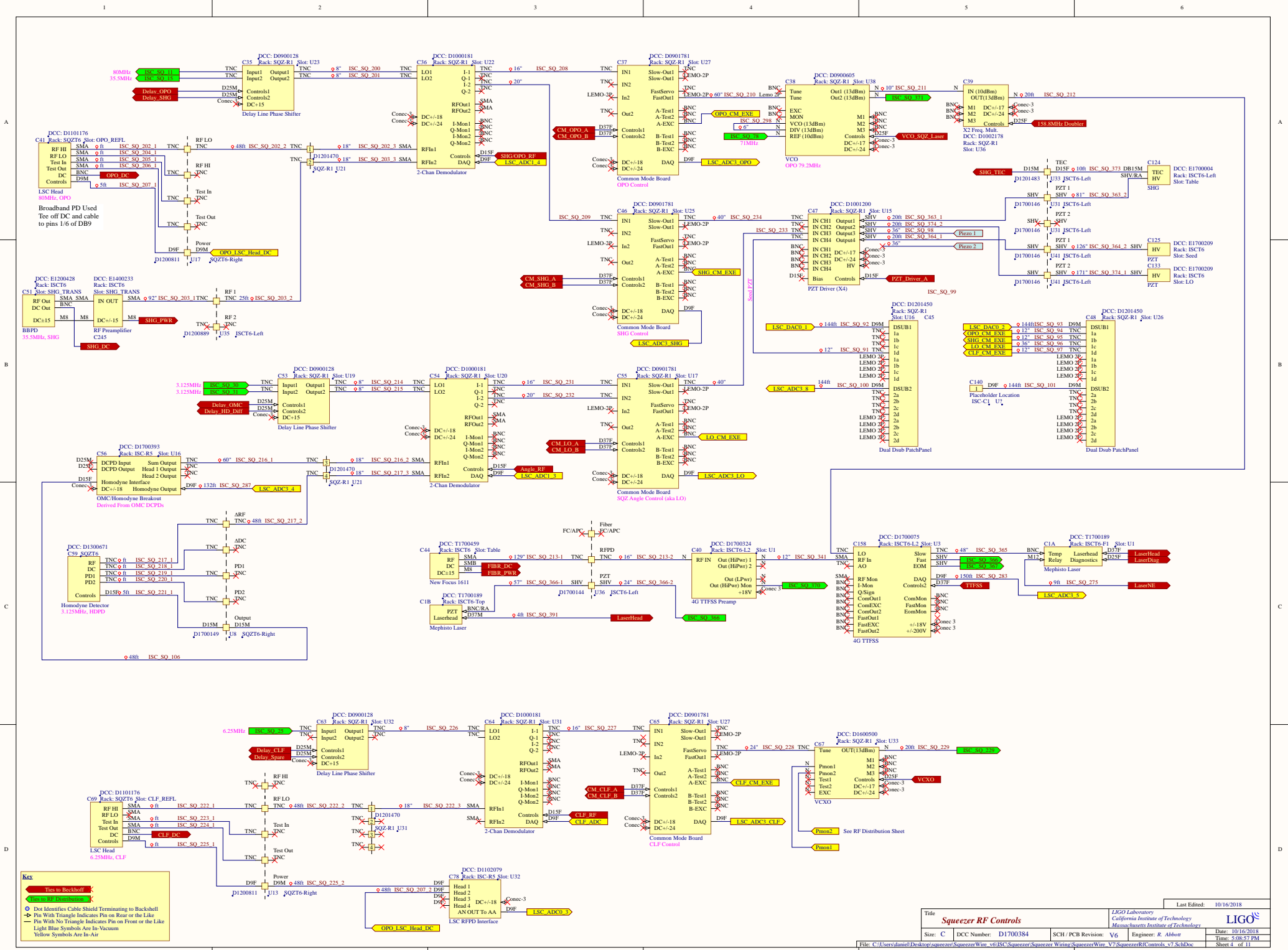
**Key**

- Tri to Backshell
- Tri to Cable (A, M, & Vacuum)
- Dot Identifies Cable Shield Terminating to Backshell
- Pin With Triangle Indicates Pin on Rear or the Like
- Pin With No Triangle Indicates Pin on Front or the Like
- Light Blue Symbols Are In-Vacuum
- Yellow Symbols Are In-Air

Timing Comparator  
 DCC: D1001370  
 Rack: ISC-C3 Slot: U12

See RF Controls Sheet  
 Pmon input to VCX0

Title <b>Squeezer RF Distribution</b>		LIGO Laboratory California Institute of Technology Massachusetts Institute of Technology		LIGO	
Size: C	DCC Number: D1700384	SCH / PCB Revision: V6	Engineer: R. Abbott	Date: 10/16/2018	
File: C:\Users\damid\Desktop\squeezers\Squeezer Wiring\SqueezerWin_V7\SqueezerRFDistribution_v7_SchDoc			Last Edited: 10/16/2018		
			Time: 5:08:56 PM		
			Sheet 3 of 11		

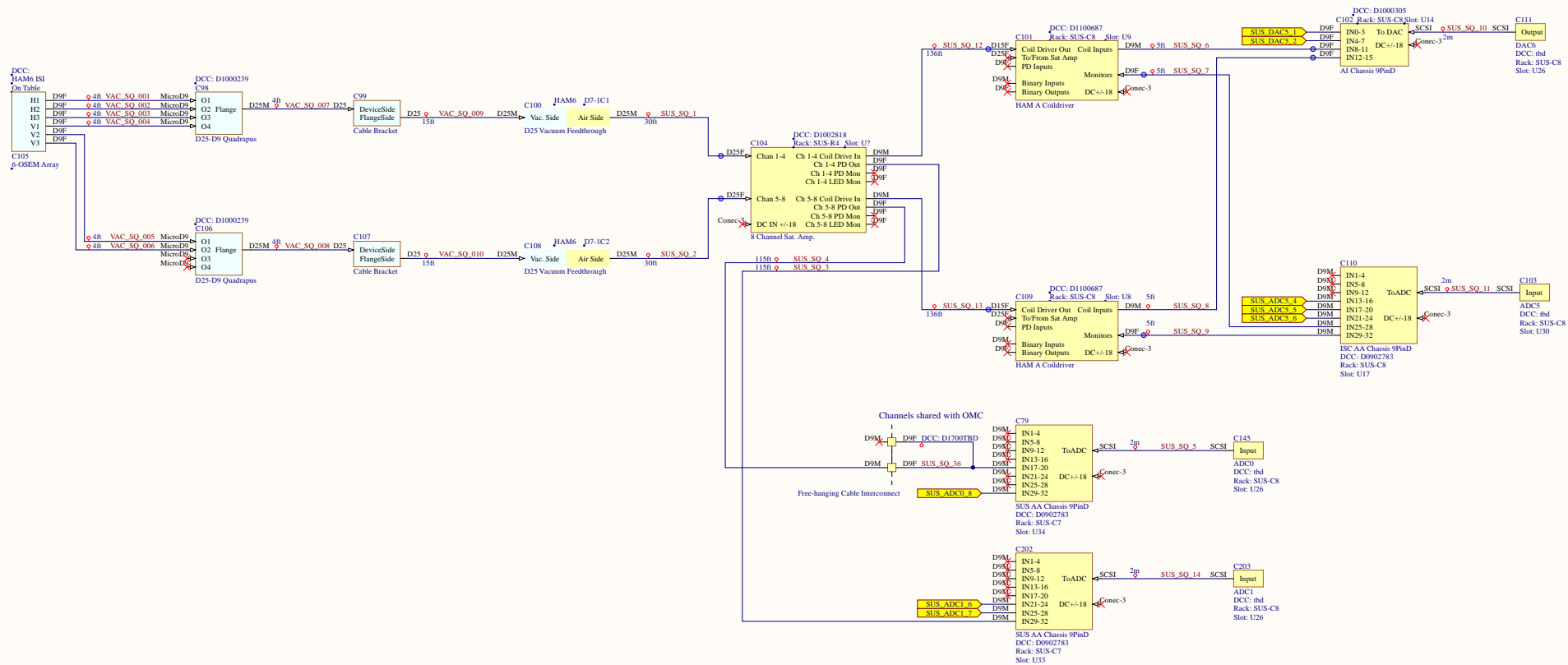


**Key**

- Pin to Backshell
- Pin With Triangle Indicates Pin on Rear or the Like
- Pin With No Triangle Indicates Pin on Front or the Like
- Light Blue Symbols Are In Vacuum
- Yellow Symbols Are In-Air



## VOPO Suspension Chain



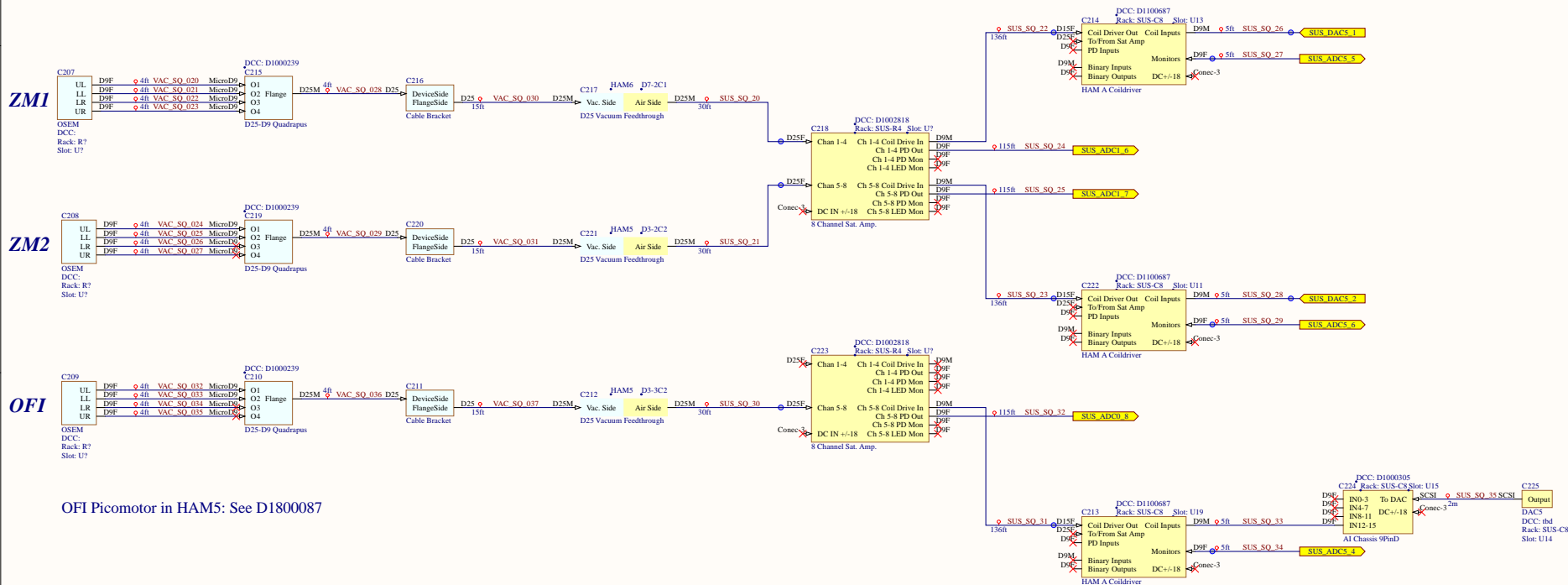
**Key**

- Dot Identifies Cable Shield Terminating to Rackshell
- ◄ Pin With Triangle Indicates Pin on Rear or the Like
- Pin With No Triangle Indicates Pin on Front or the Like
- Light Blue Symbols Are In-Vacuum
- Yellow Symbols Are In-Air

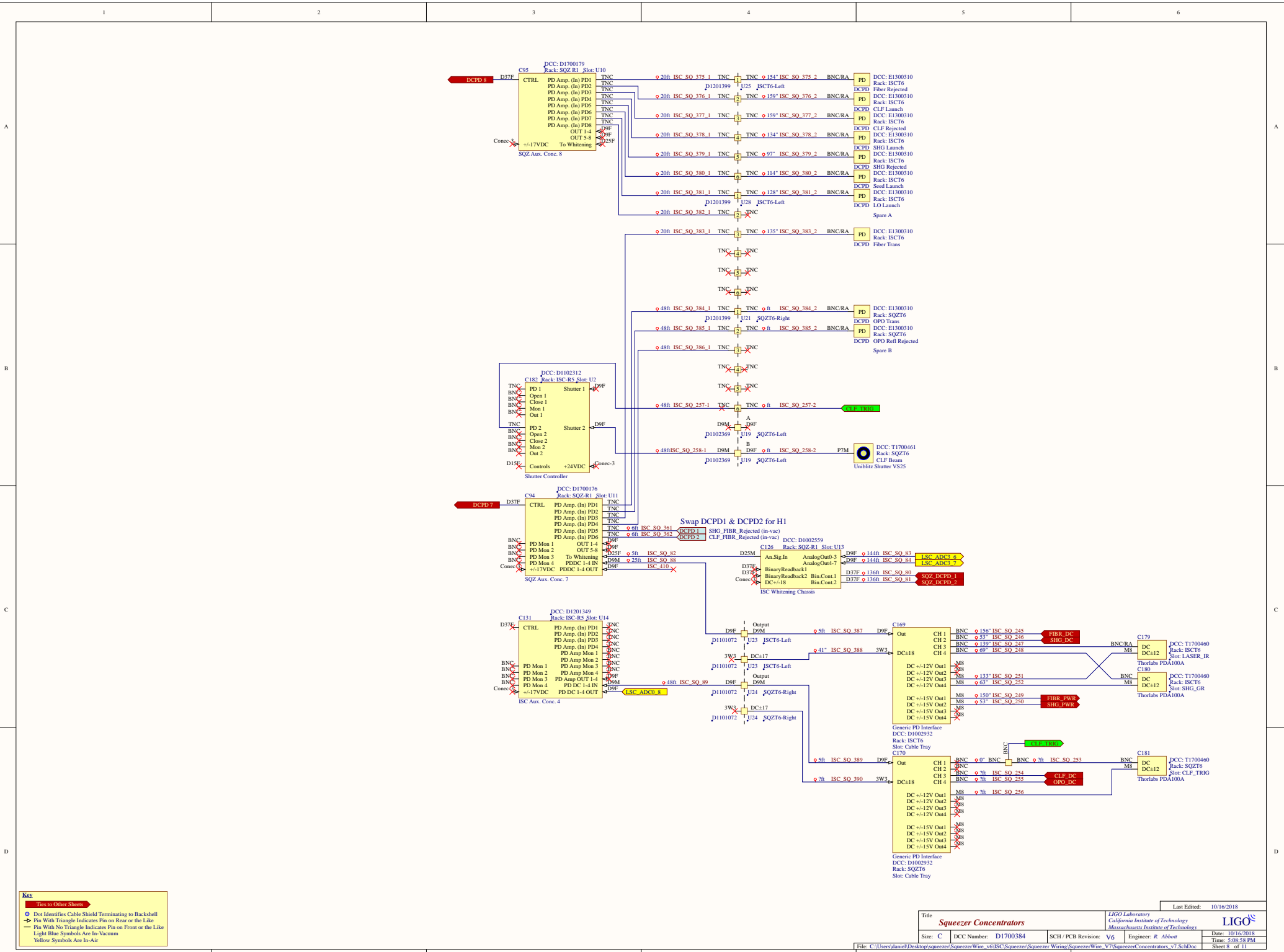
Last Edited: 10/2/2017

<b>Title</b> <i>Squeezor Suspensions</i>		LIGO Laboratory California Institute of Technology Massachusetts Institute of Technology		LIGO
Size: C	DCC Number: D1700384	SCH / PCB Revision: V6	Engineer: R. Abbott	Date: 10/16/2018
File: C:\Users\daniel\Desktop\squeezor\SqueezorWiring\ISC\Squeezor\SqueezorWiring\SqueezorWiring_V7\SqueezorSns_V7.SchDoc				Time: 5:08:55 PM
				Sheet 6 of 11

## ZM/OFI Suspension Chains



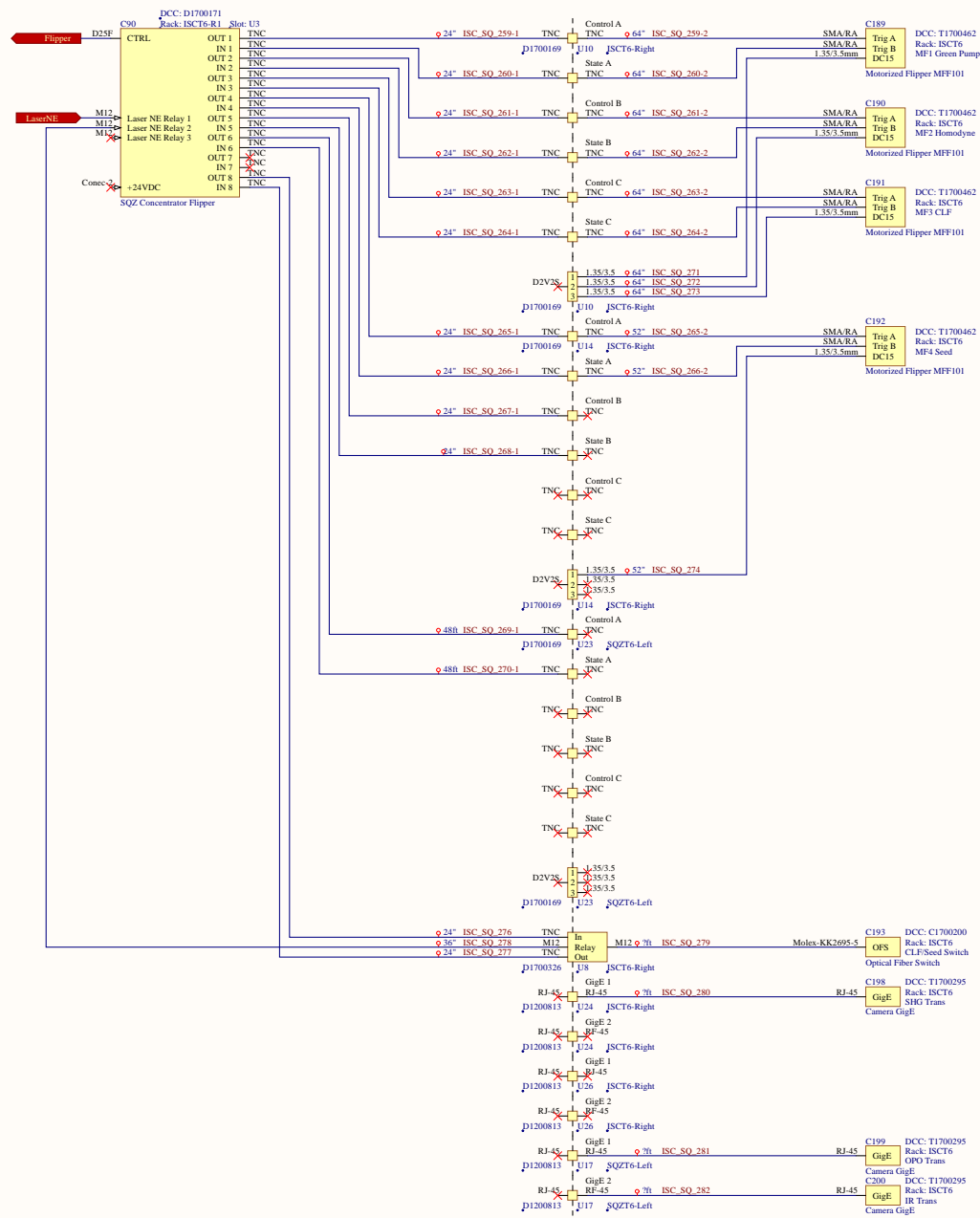
**Key:**  
 • Dot Identifies Cable Shield Terminating to Rackshell  
 • Pin With Triangle Indicates Pin on Rear or the Like  
 — Pin With No Triangle Indicates Pin on Front or the Like  
 Light Blue Symbols Are In-Vacuum  
 Yellow Symbols Are In-Air



**Key**

- Connect to Other Sheets
- Dot Identifies Cable Shield Terminating to Backshell
- △ Pin With Triangle Indicates Pin on Rear or the Like
- Pin With No Triangle Indicates Pin on Front or the Like
- Light Blue Symbols Are In Vacuum
- Yellow Symbols Are In Air



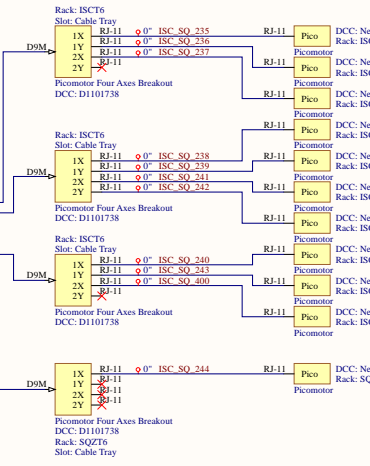
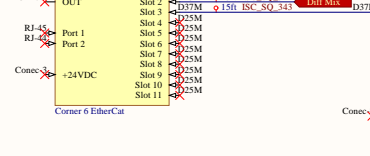
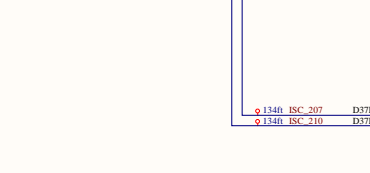
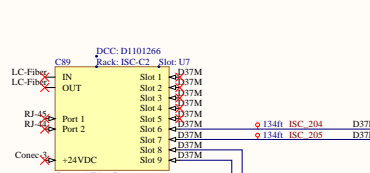
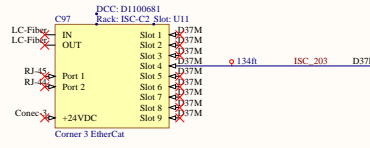
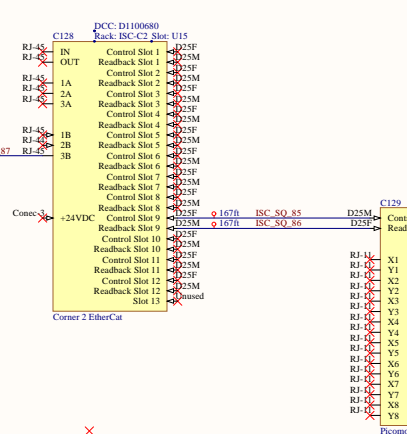
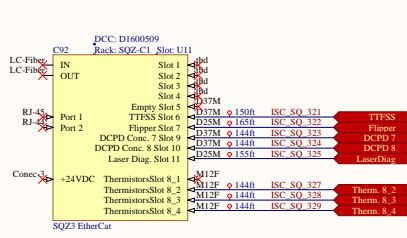
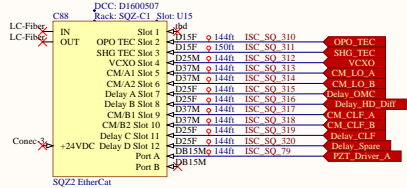
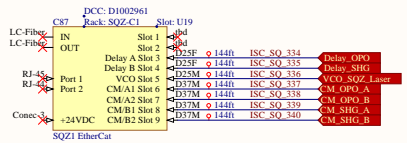


**Key**

- Dev to Other Sheet
- Dot Identifies Cable Shield Terminating to Backshell
- ▶ Pin With Triangle Indicates Pin on Rear or the Like
- Pin With No Triangle Indicates Pin on Front or the Like
- Light Blue Symbols Are In-Vacuum
- Yellow Symbols Are In-Air

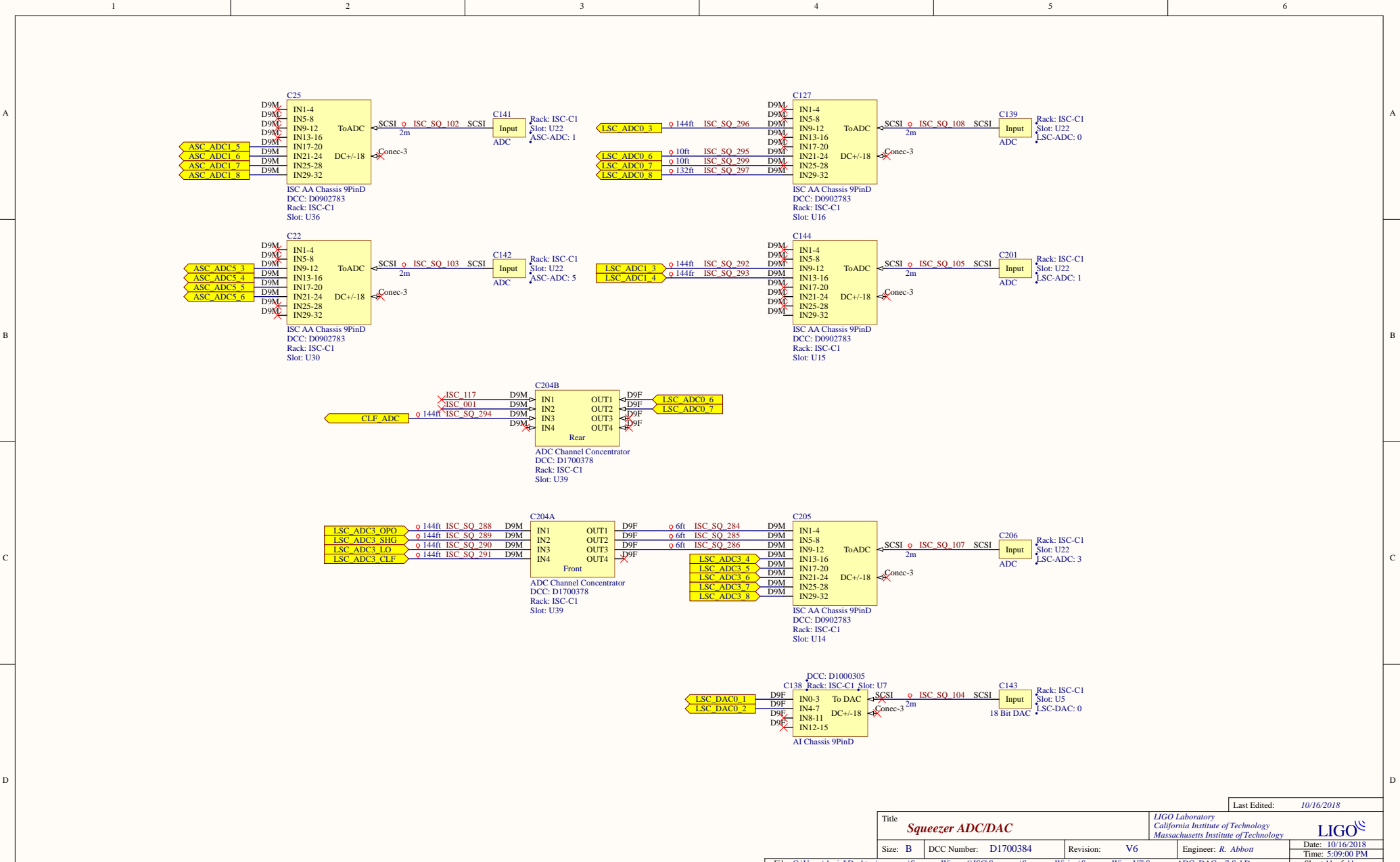
Last Edited: 10/4/2017

Title <b>Squeezer Miscellaneous</b>		LIGO Laboratory California Institute of Technology Massachusetts Institute of Technology		LIGO	
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File: C:\Users\daniel\Desktop\squeezer\SqueezerWin_v6\ISC\Squeezer\SqueezerWin_v7\SqueezerMiscellaneous_v7_SchDoc					Sheet 9 of 11



**Key**

- Dies to Other Sheets
- Dies Identifies Cable Shield Terminating to Backshell
- △ Pin With Triangle Indicates Pin on Rear or the Like
- Pin With No Triangle Indicates Pin on Front or the Like
- Light Blue Symbols Are In Vacuum
- Yellow Symbols Are In Air



Last Edited: 10/16/2018

Title <b>Squeezer ADC/DAC</b>		LIGO Laboratory California Institute of Technology Massachusetts Institute of Technology		LIGO	
Size: B	DCC Number: D1700384	Revision: V6	Engineer: R. Abbott	Date: 10/16/2018	Time: 5:09:00 PM
File: C:\Users\daniel\Desktop\squeezer\SqueezerWire_v6\ISC\Squeezer\SqueezerWire_V7\SqueezerADC_DAC_v7.SchDoc					
Sheet 11 of 11					