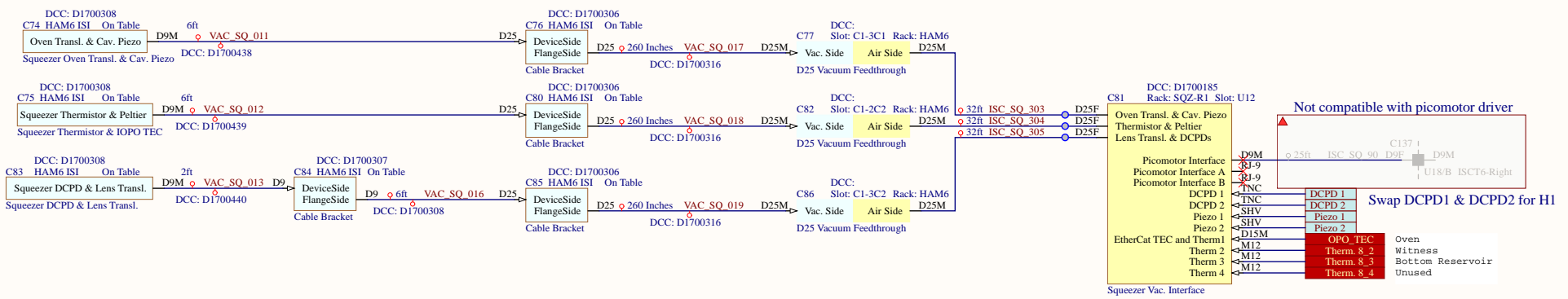


A

B

C

D



Not compatible with picomotor driver

Swap DCPD1 & DCPD2 for H1

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

**Key**

- Ties to Beckhoff
- Ties to H1 Distribution
- 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: 4/7/2019

Title <b>Squeezing In-Vacuum Controls</b>		LIGO Laboratory California Institute of Technology Massachusetts Institute of Technology		<b>LIGO</b> <sup>®</sup>
Size: B	DCC Number: D1700384	Revision: V8	Engineer: R. Abbott	
File: C:\Users\daniel.siggs\Documents\Desktop\squeezing\SqueezingWire_v8\ISC\Squeezing\Squeezing Wiring\SqueezingWire_V8\SqueezingInVacControls_v8			Time: 2:21:23 PM	
Sheet 1 of 11				

**CLF**

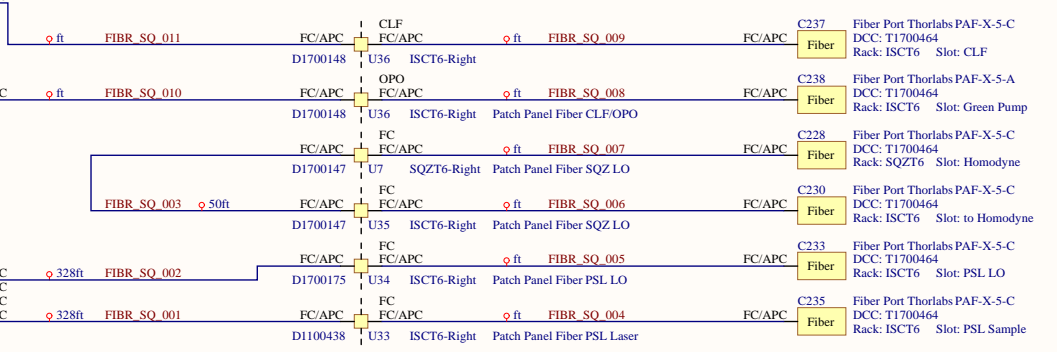
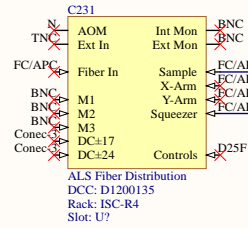
DCC: D1700304  
Rack: HAM6 Slot: VOPO Injection Platform  
C241 Fiber Launcher FC/APC  
Squeezer VOPO Mirror and Fiber Holder Assembly

DCC: D1600495  
Slot: D4-3 Rack: HAM6  
C240 Vac. Side Air Side FC/APC  
Fiber Vacuum Feedthrough

**OPO**

DCC: D1700304  
Rack: HAM6 Slot: VOPO Injection Platform  
C243 Fiber Launcher FC/APC  
Squeezer VOPO Mirror and Fiber Holder Assembly

DCC: D1600495  
Slot: D4-2 Rack: HAM6  
C242 Vac. Side Air Side FC/APC  
Fiber Vacuum Feedthrough



Last Edited: 4/7/2019

Title		LIGO Laboratory California Institute of Technology Massachusetts Institute of Technology		LIGO
Size: B		DCC Number: D1700384	Revision: V8	
		Date: 4/12/2019	Time: 2:21:23 PM	



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

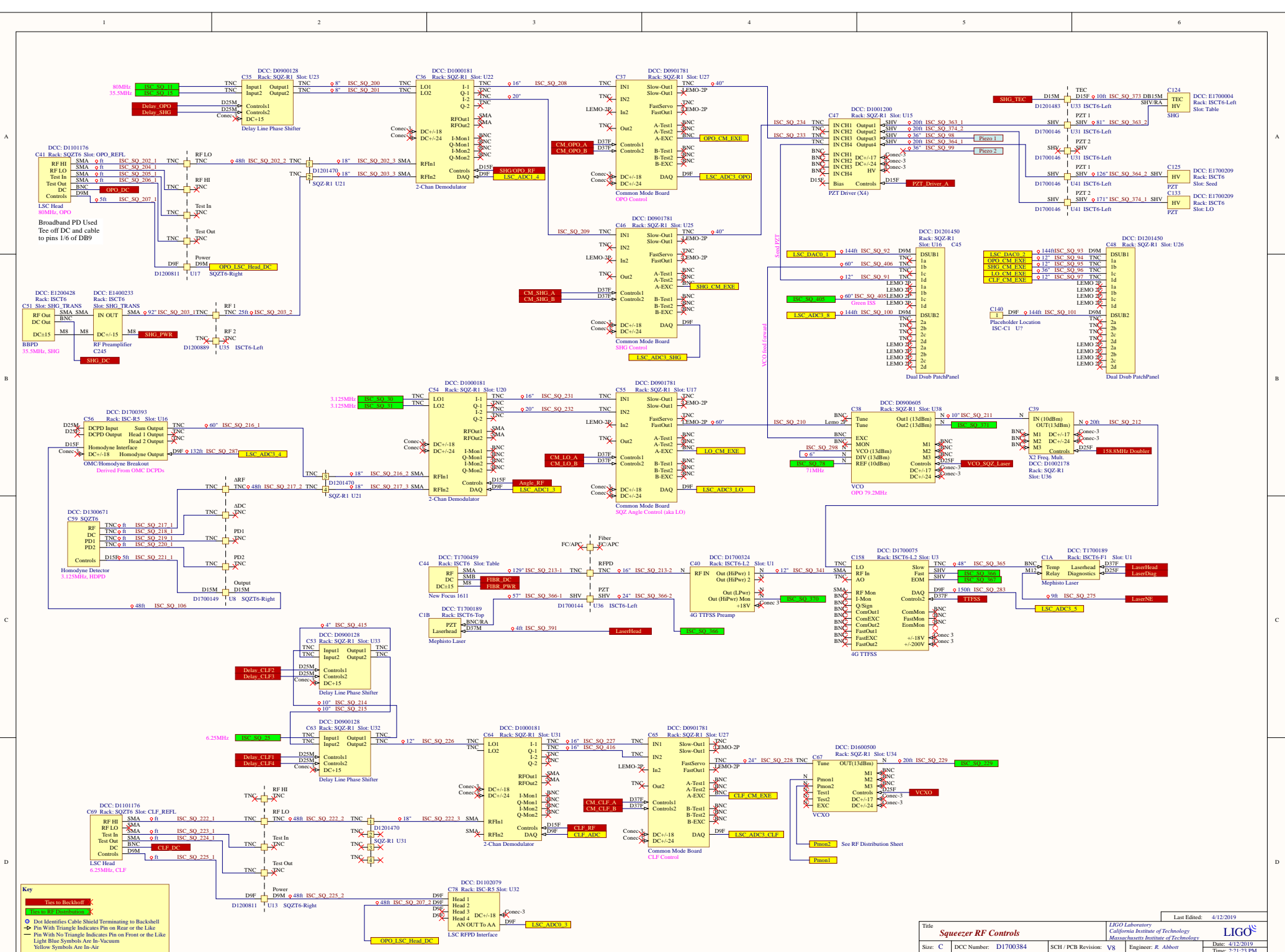
**Key**

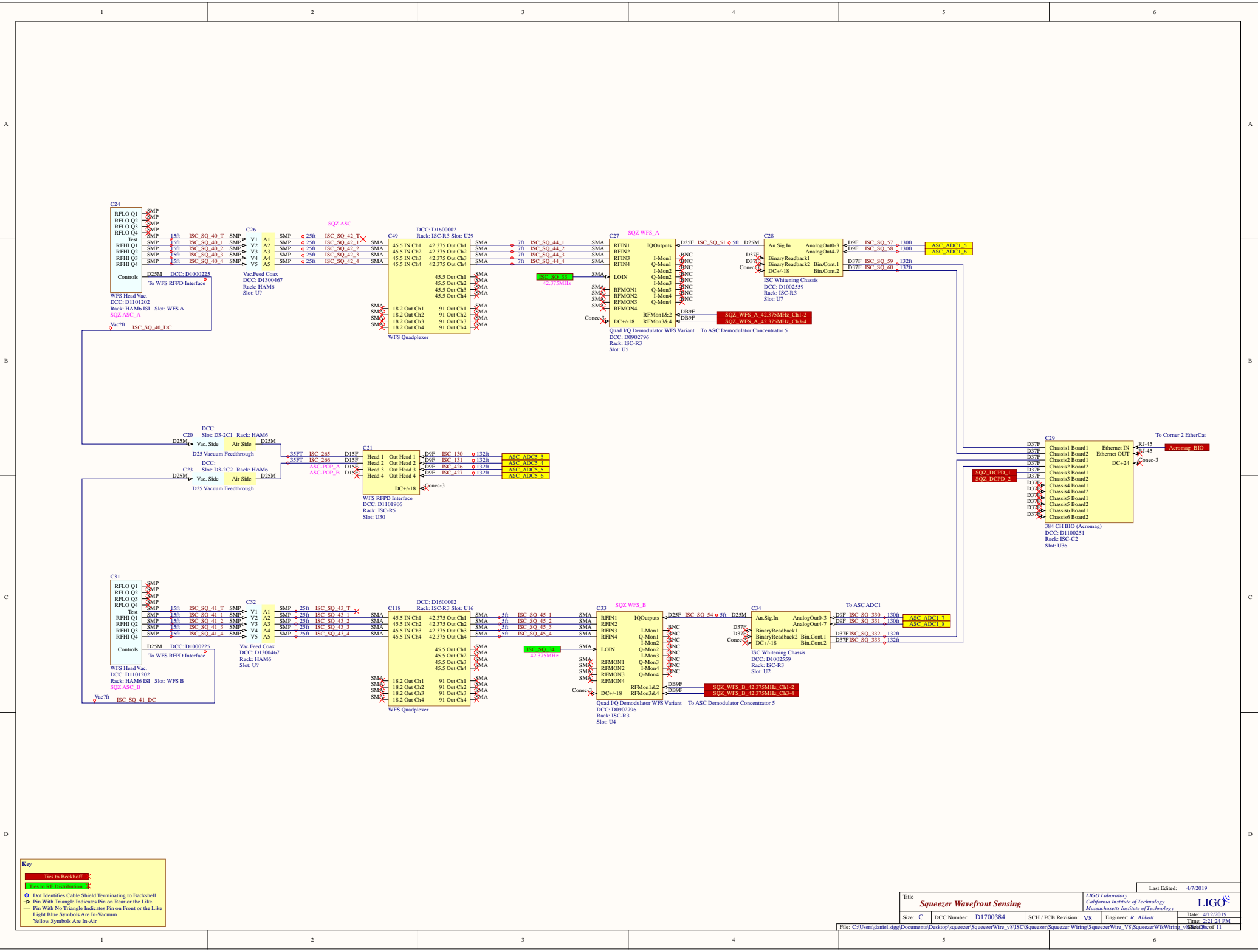
- Ties to Backshell
- Cable Shield Connects to Cable Shield
- Dot Identifies Cable Shield Terminating to Backshell
- Pin With Triangle Indicates Pin on Rear or the Like
- Pin With No Triangle Indicates Pin on Front or the Like
- Light Blue Symbols Are In-Vacuum
- Yellow Symbols Are In-Air

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

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: V8	Engineer: R. Abbott	Date: 4/7/2019
File: C:\Users\david.sajid\Documents\Desktop\squeezer\Squeezer Wire v8\ISC-Squeezer\Squeezer Wiring\Squeezer Wire v8\SqueezerRF Distribution\SBSRFSDM01				Time: 2:21:23 PM

Last Edited: 4/7/2019

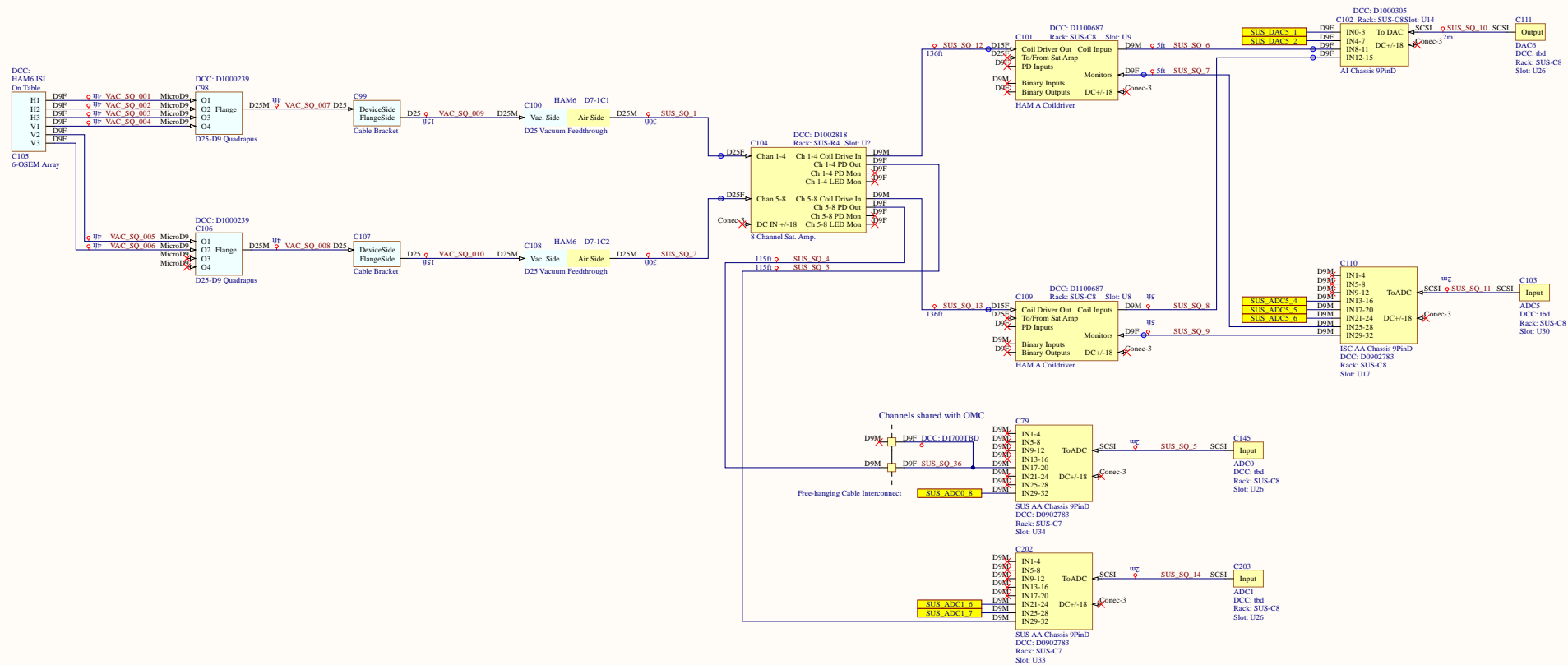




**Key**

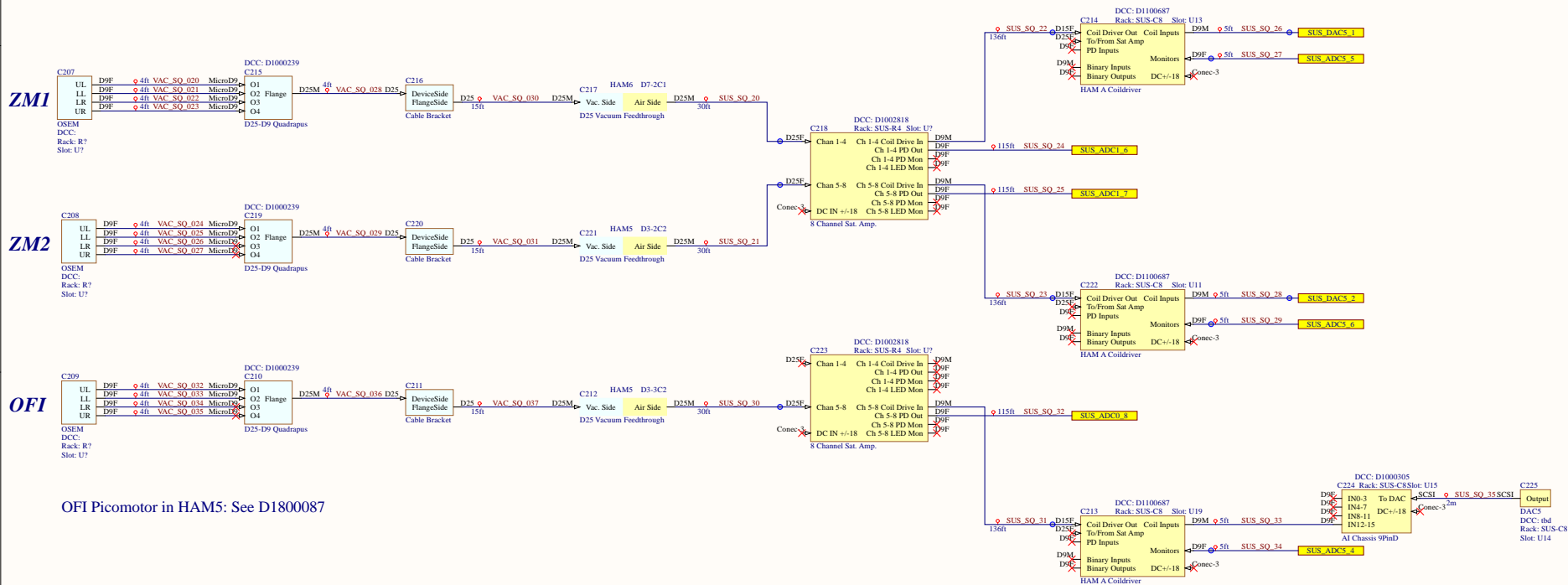
- Ties to Backshell
- Cable Shield Terminating to Backshell
- Pin With Triangle Indicates Pin on Rear or the Like
- Pin With No Triangle Indicates Pin on Front or the Like
- Light Blue Symbols Are In Vacuum
- Yellow Symbols Are In Air

# VOPO Suspension Chain



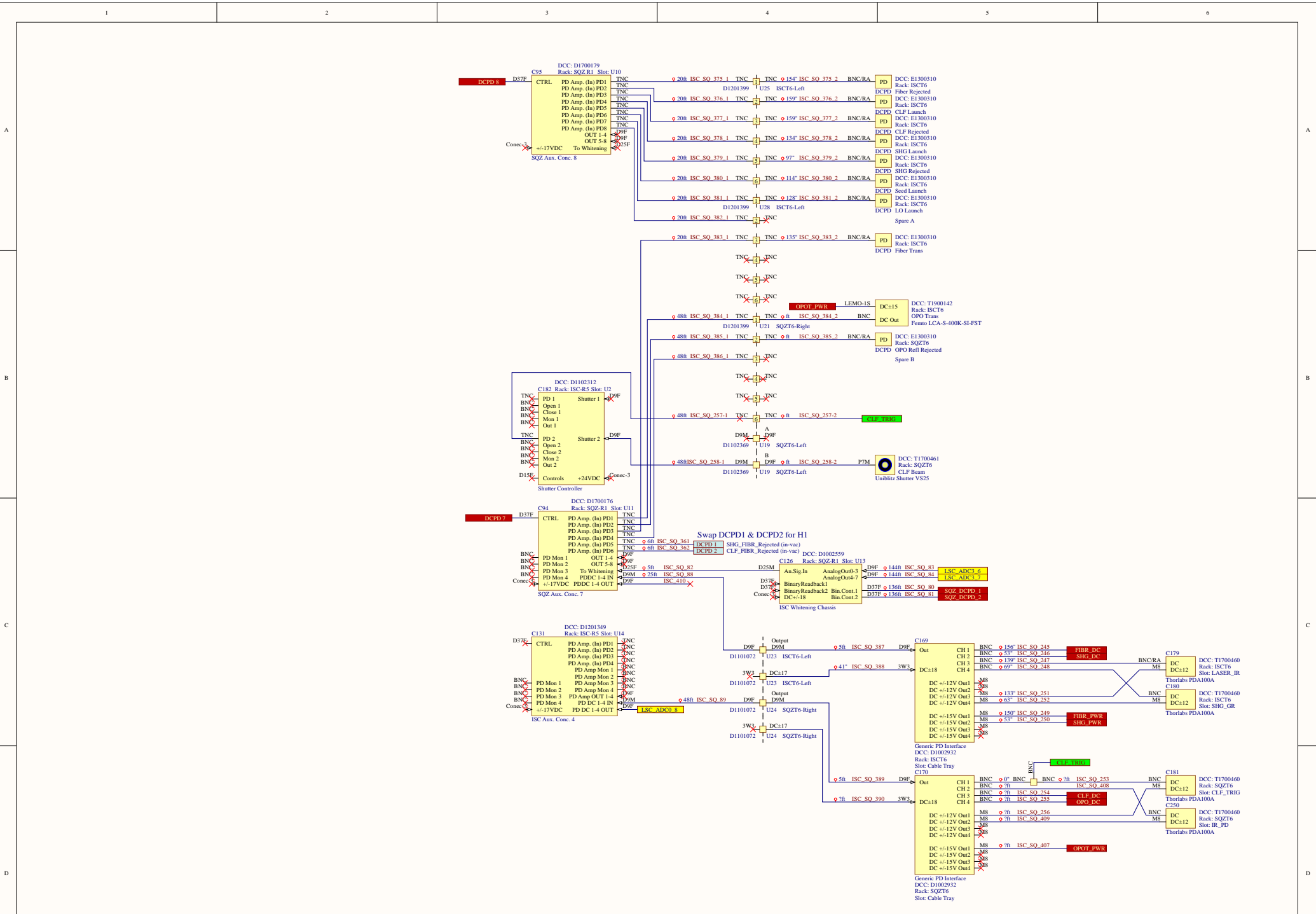
**Key**  
 ● Dot Identifies Cable Shield Terminating to Backshell  
 ▲ Pin With Triangle Indicates Pin on Rear or the Like  
 — Pin With No Triangle Indicates Pin on Front or the Like  
 Light Blue Symbols Are In-Vacuum  
 Yellow Symbols Are In-Air

## ZM/OFI Suspension Chains



OFI Picomotor in HAM5: See D1800087

**Key**  
 • 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

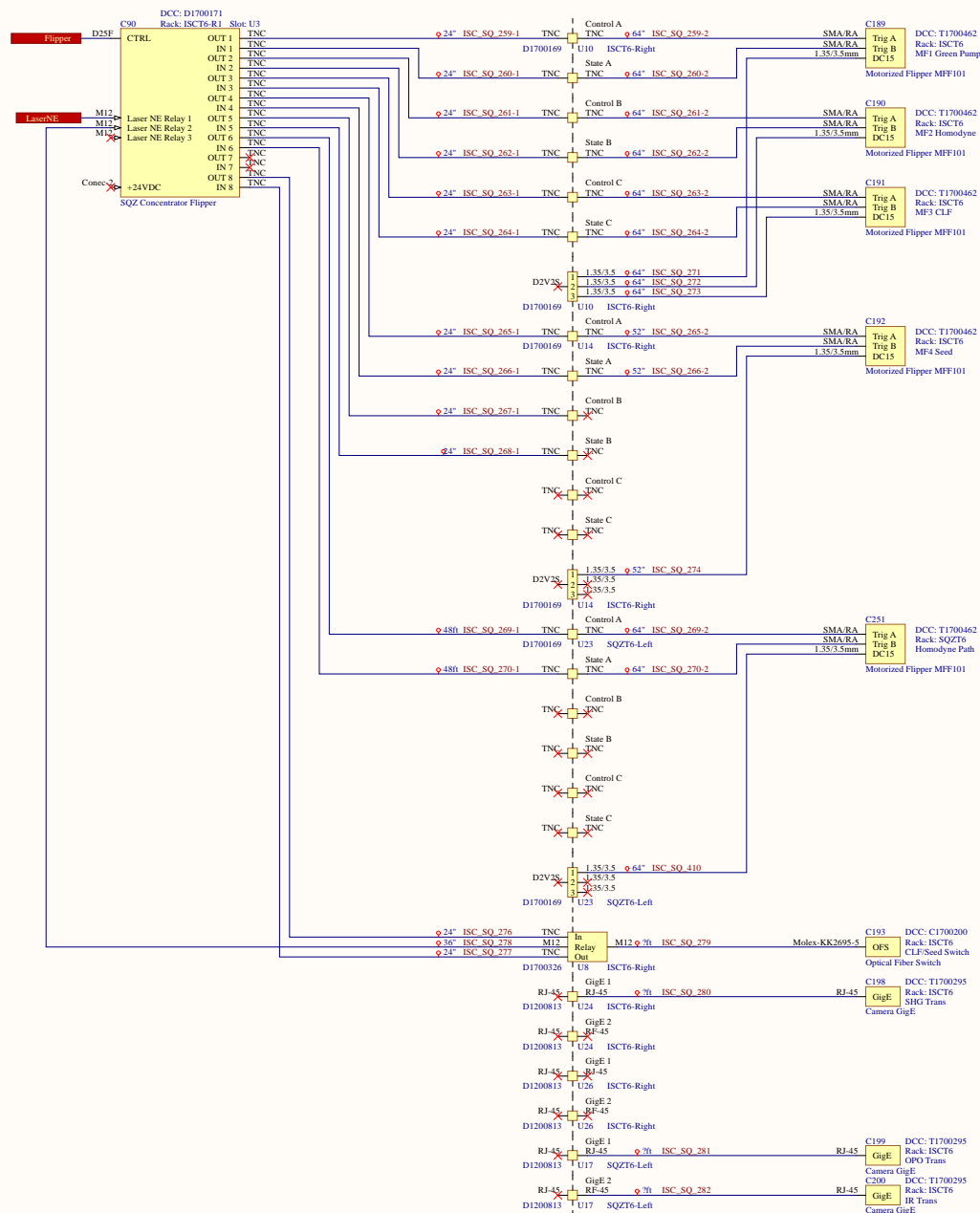


**Key**

- Goes 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

Title <b>Squeezer Concentrators</b>		LIGO Laboratory California Institute of Technology Massachusetts Institute of Technology		LIGO	
Size: C	DCC Number: D1700384	SCH / PCB Revision: V8	Engineer: R. Abbott	Date: 4/7/2019	Last Edited: 4/7/2019
File: C:\Users\daniel.sage\Documents\Desktop\squeezer\SqueezerWire_v8\SCH/Squeezer Wiring/SqueezerWire_V8\SqueezerConcentrators_SCH_V8.dwg					

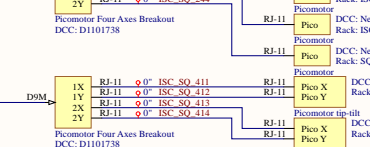
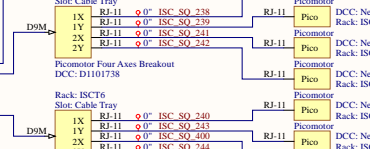
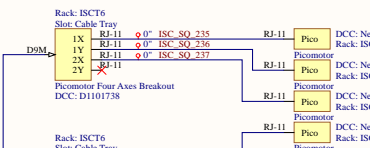
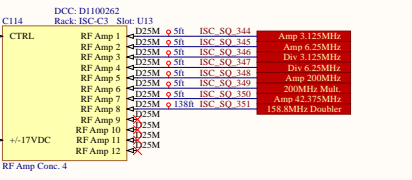
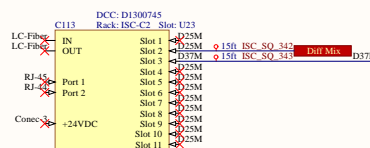
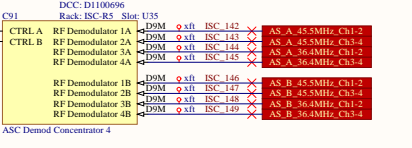
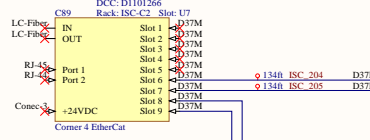
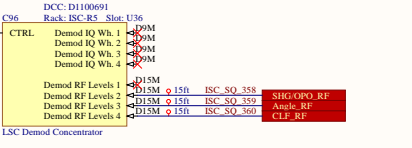
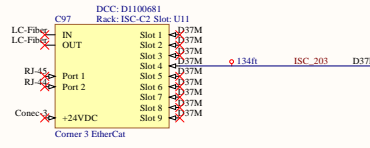
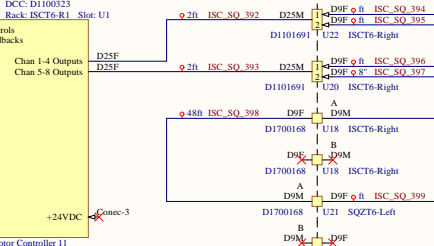
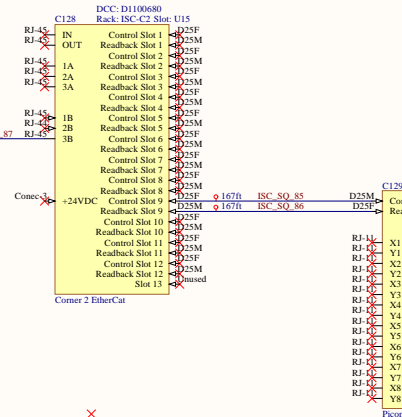
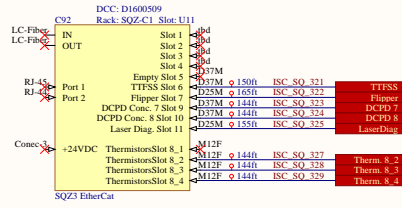
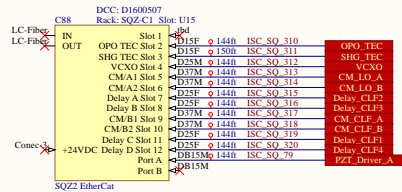
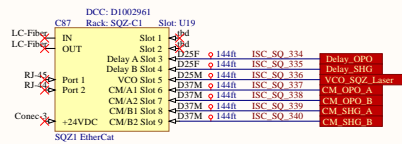




**Key**

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

Title <b>Squeezing Miscellaneouse</b>		LIGO Laboratory California Institute of Technology Massachusetts Institute of Technology		LIGO	
Size: C	DCC Number: D1700384	SCH / PCB Revision: V8	Engineer: R. Abbott	Date: 4/12/2019	
Last Edited: 4/7/2019			Time: 2:21:24 PM		
File: C:\Users\daniel.sigg\Documents\Desktop\squeezing\SqueezingWire_v8\ISC-SqueezingWire\SqueezingWire_v8\SqueezingMiscellaneouse\88450.Dwg.11					



**Key**

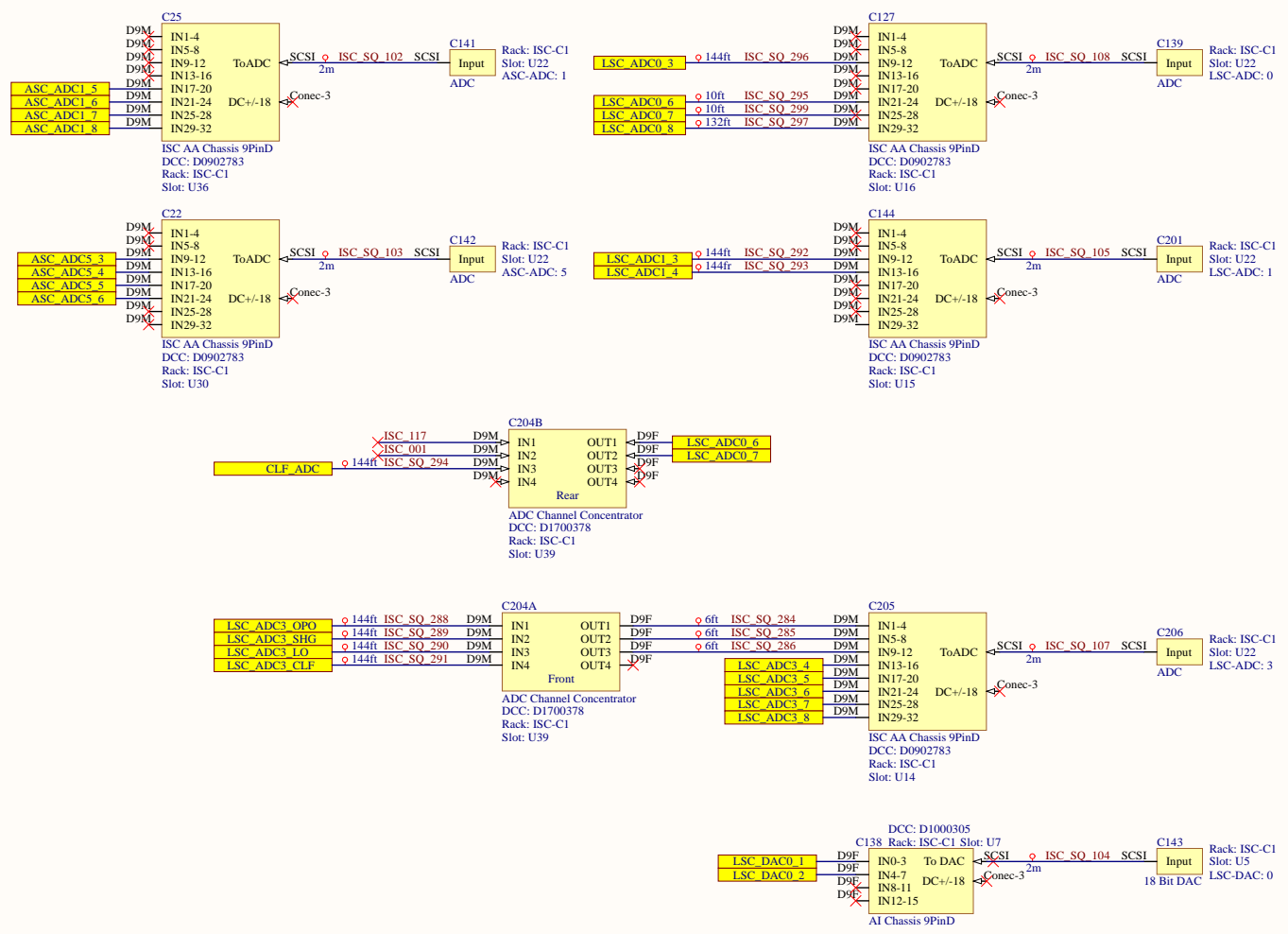
- Test to Other Sheets
- ⊙ Dot Identifies Cable Shield Terminating to Backshell
- △ Pin With Triangle Indicates Pin on Rear or the Lake
- ▬ Pin With No Triangle Indicates Pin on Front or the Lake
- Light Blue Symbols Are In Vacuum
- Yellow Symbols Are In Air

A

B

C

D



Last Edited: 4/7/2019

Title <b>Squeezer ADC/DAC</b>		LIGO Laboratory California Institute of Technology Massachusetts Institute of Technology		LIGO <sup>®</sup>	
Size: B	DCC Number: D1700384	Revision: V8	Engineer: R. Abbott	Date: 4/12/2019	Time: 2:21:24 PM