

	LHO	LL0
DCPD1	Red/CLF	Green pump
DCPD2	Green pump	Red/CLF

Revision and Modifications on Squeezing Wiring design:

v10. VOPO and ZM Suspensions were removed from this drawing diagram, 10-01-19. This was conducted following the Aplus FTF Meeting at LHO on September 2019, and also Carl's to do Tasks in his google document.

Key

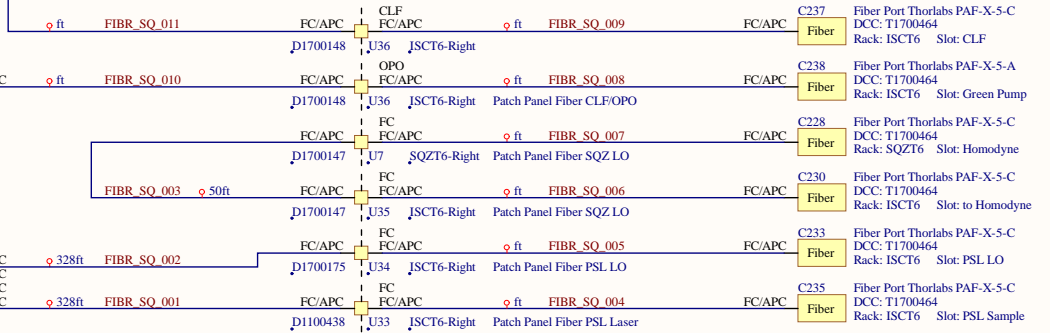
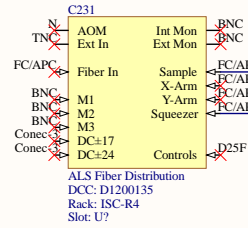
- Ties to Beckhoff
- Ties to H1 Distribution
- Dot Identifies Cable Shield Terminating to Backshell
- Pin With Triangle Indicates Pin on Rear or the Like
- Pin With No Triangle Indicates Pin on Front or the Like
- Light Blue Symbols Are In-Vacuum
- Yellow Symbols Are In-Air

Title		Last Edited: 10/1/2019	
Squeezing In-Vacuum Controls		LIGO Laboratory California Institute of Technology Massachusetts Institute of Technology	
Size: B	DCC Number: D1700384	Revision: V10	Engineer: R. Abbott
File: C:\Users\Public\Documents\Altium\Projects\Squeezing_wiring_v10\SqueezingInVacControls_v10.SchDoc		Date: 10/1/2019	Time: 2:53:31 PM
		Sheet 1 of 9	

CLF



OPO

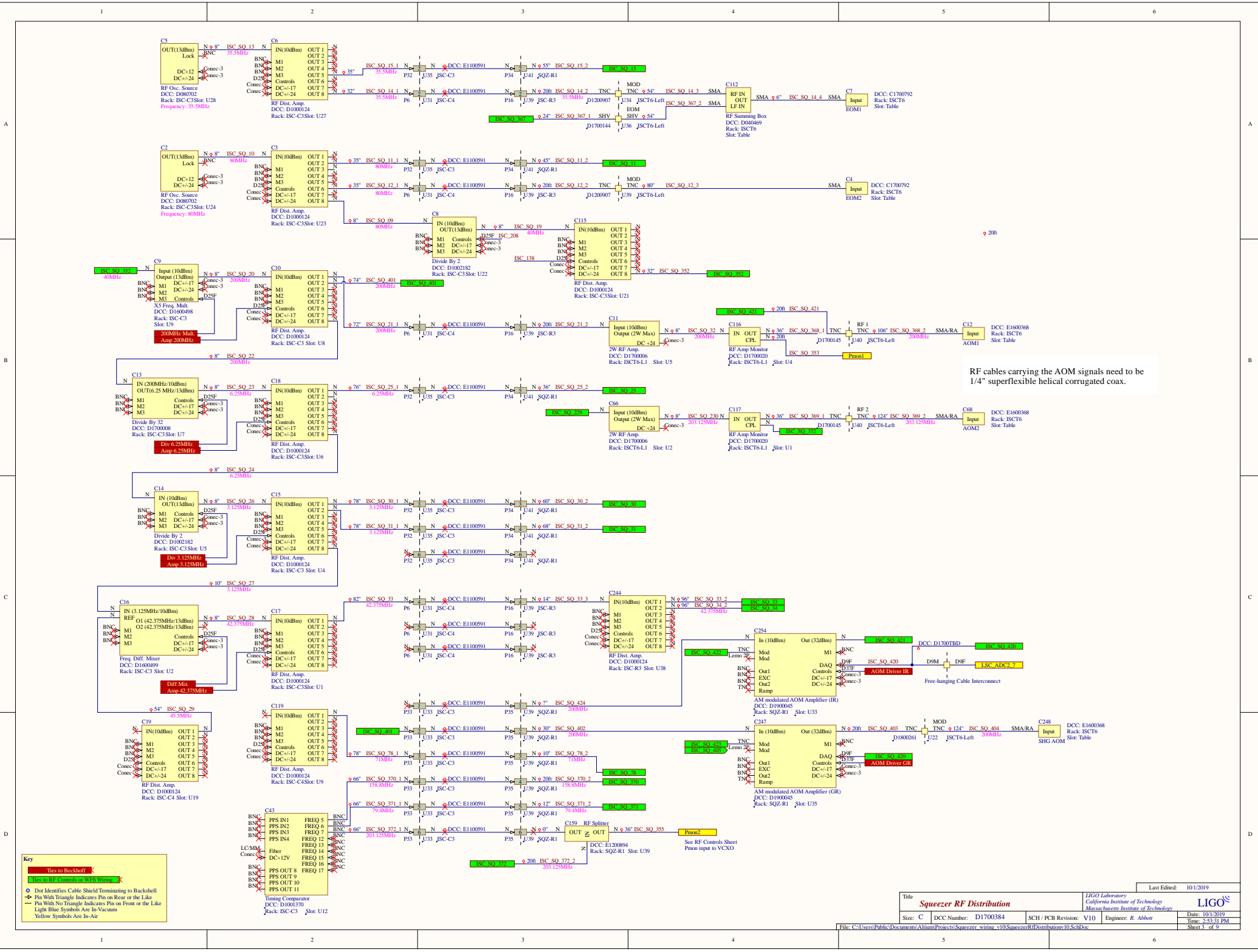


Last Edited: 10/1/2019

Title		LIGO Laboratory California Institute of Technology Massachusetts Institute of Technology		LIGO	
Size: B	DCC Number: D1700384	Revision: V10	Engineer: R. Abbott	Date: 10/1/2019	Time: 2:53:31 PM

File: C:\Users\Public\Documents\Altium\Projects\Squeezer_wiring_v10\SqueezerFiber_v10.SchDoc

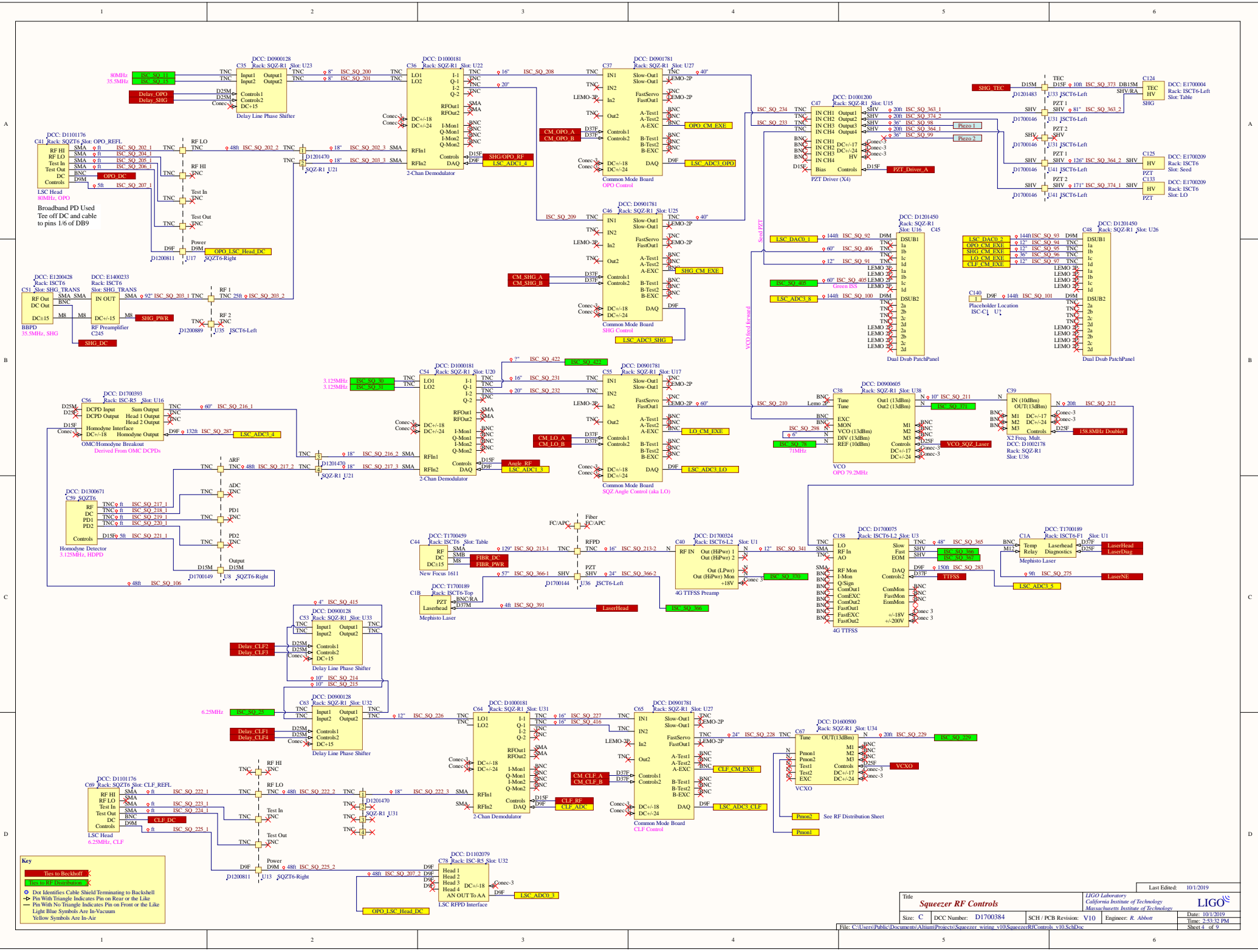
Sheet 2 of 9



Key

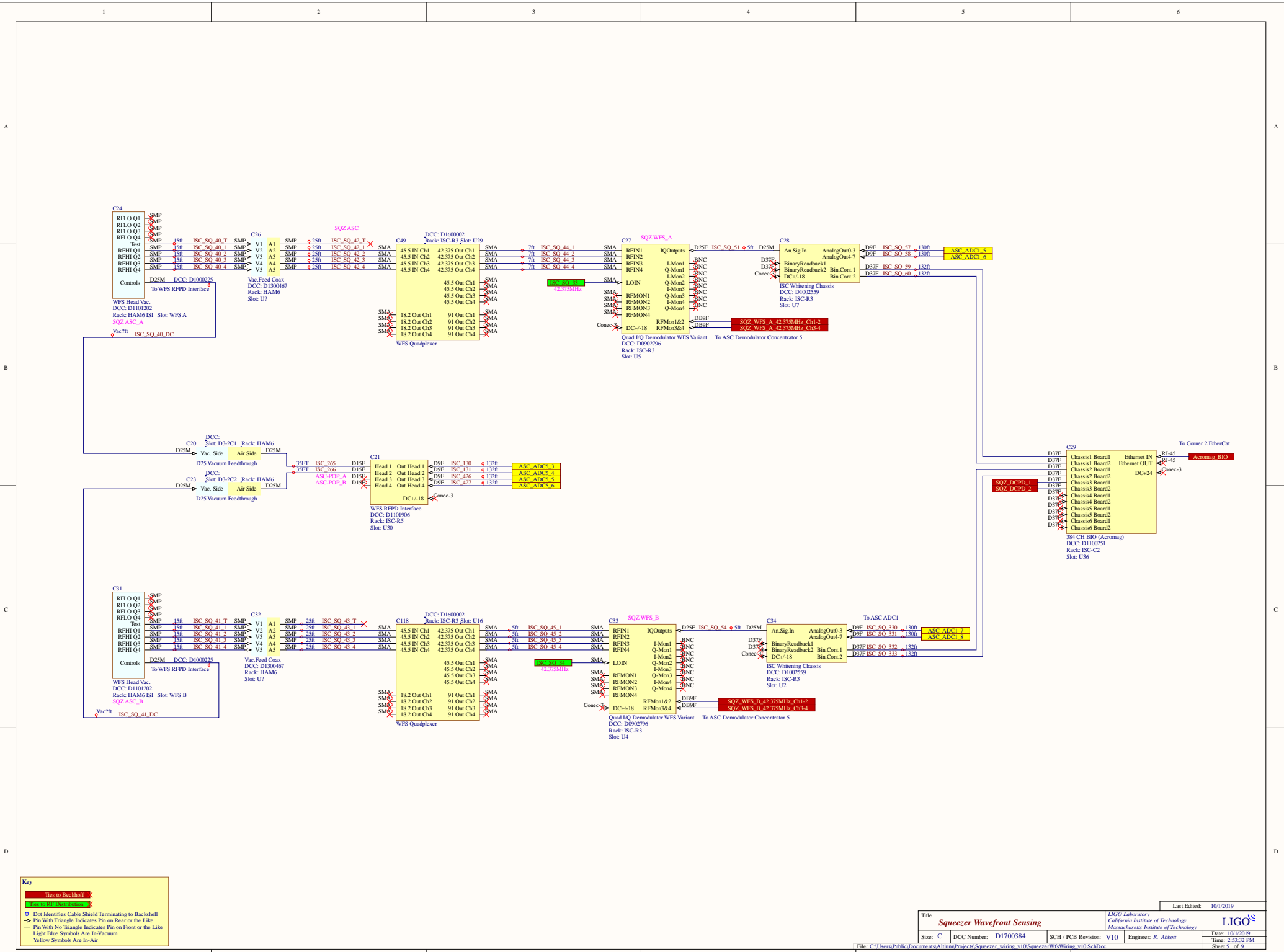
- Red Arrow: This to Backshell
- Green Arrow: This to Connector (A, M, S, etc.)
- Blue Arrow: Dot Identifies Cable Shield Terminating to Backshell
- Triangle: Pin With No Triangle Indicates Pin on Front or the Like
- Light Blue Symbols: Are In-Vacuum
- Yellow Symbols: Are In-Air

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



Key

- Ties 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

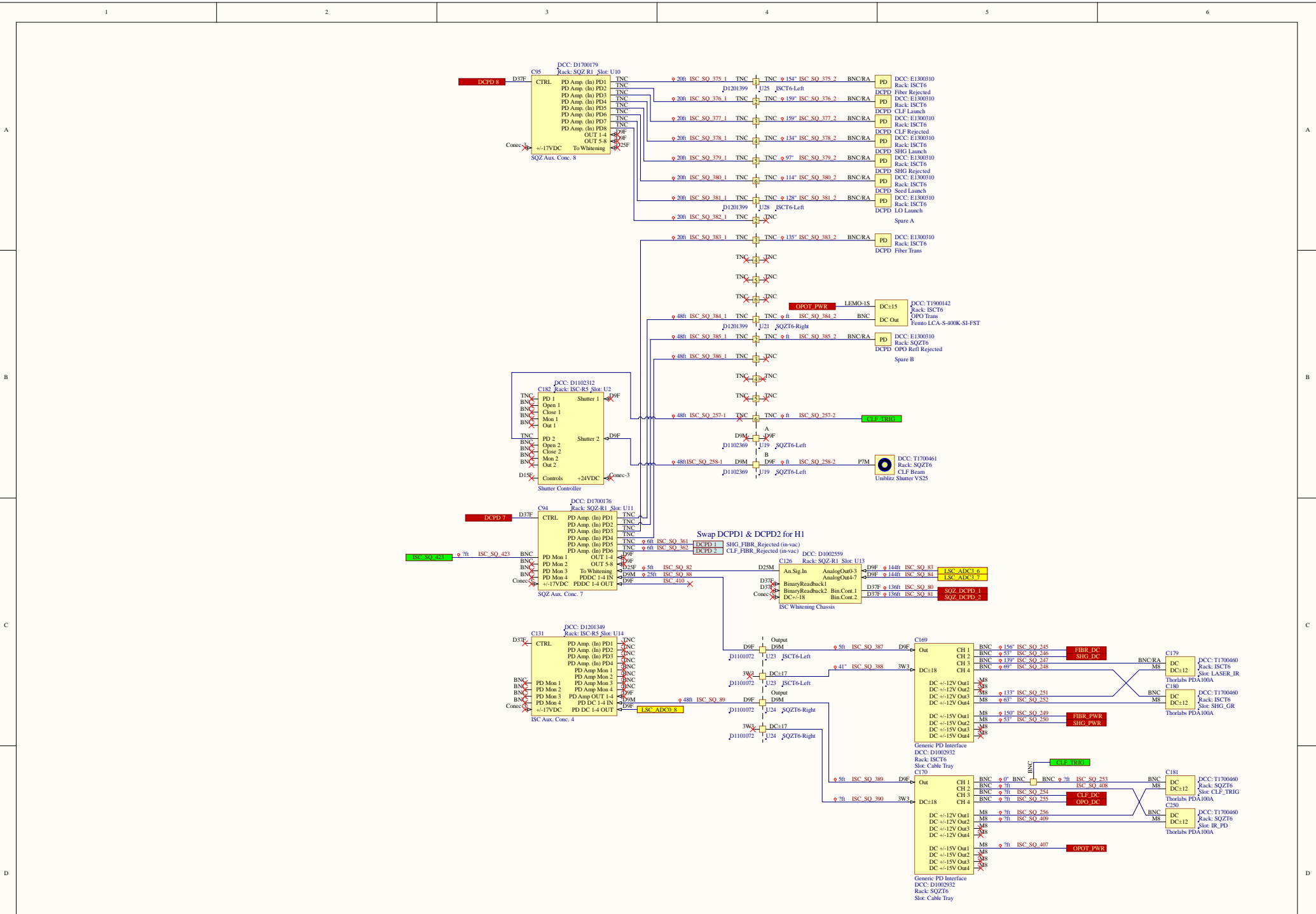


Key

- Ties to Backshell
- DCC 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: 10/12/19

Title Squeezor Wavefront Sensing		LIGO Laboratory California Institute of Technology Massachusetts Institute of Technology	
Size: C	DCC Number: D1700384	SCH/PCB Revision: V10	Engineer: R. Abbot
Date: 10/12/19		Time: 2:53:32 PM	
File: C:\Users\Public\Documents\Altium\Projects\Squeezor_writing\10\SqueezorWFS\Wiring_V10.SchDoc		Sheet 5 of 9	

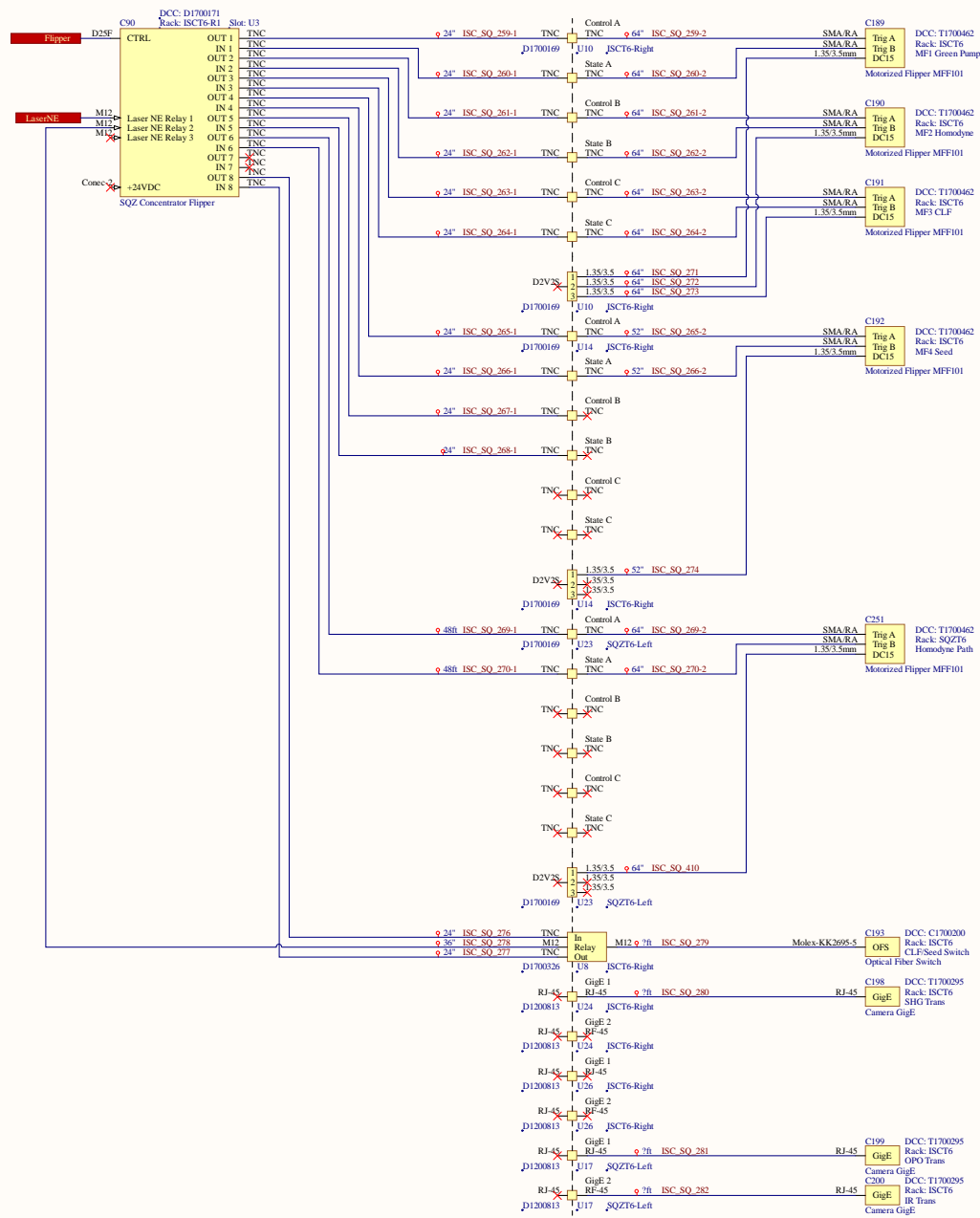


Key

- ◻ Dies to Other Sheets
- Dia 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: 10/1/2019

Title Squeezer Concentrators		LIGO Laboratory California Institute of Technology Massachusetts Institute of Technology		LIGO	
Size: C	DCC Number: D1700384	SCH / PCB Revision: V10	Engineer: R. Abbot	Date: 10/1/2019	Time: 2:53:32 PM
File: C:\Users\Public\Documents\Altium\Projects\Squeezer wiring_v10\SqueezerConcentrators_v10SchDoc					

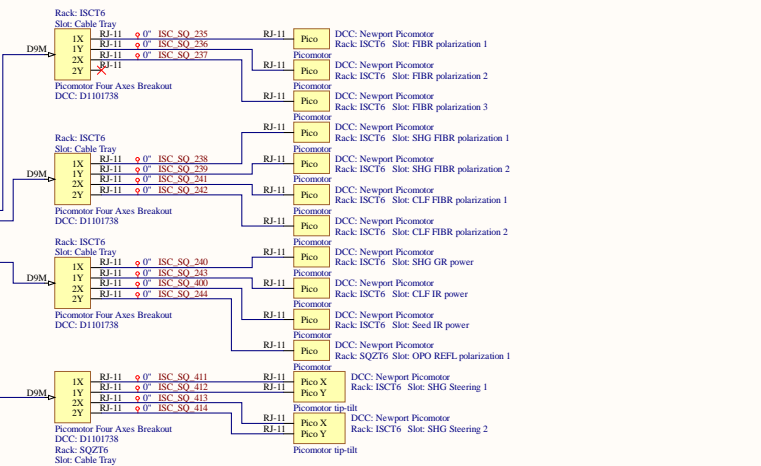
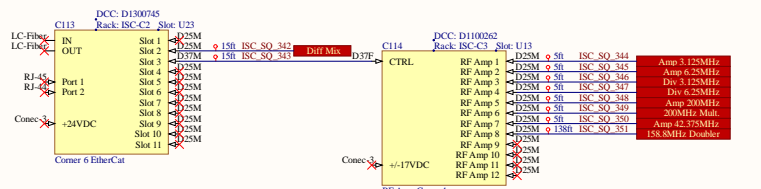
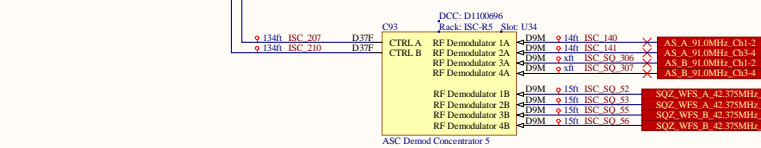
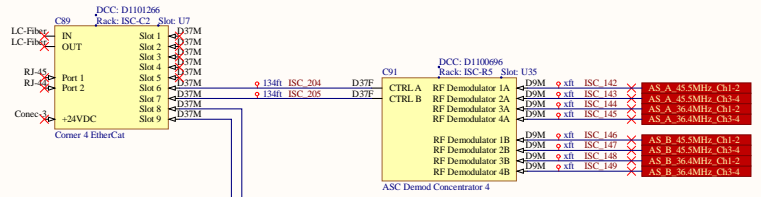
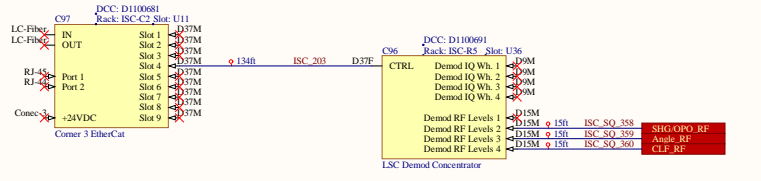
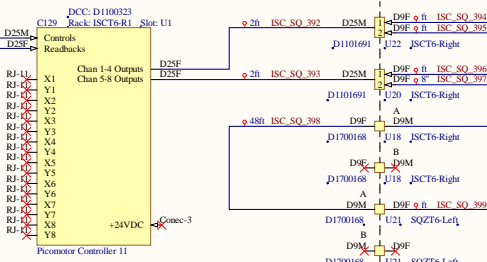
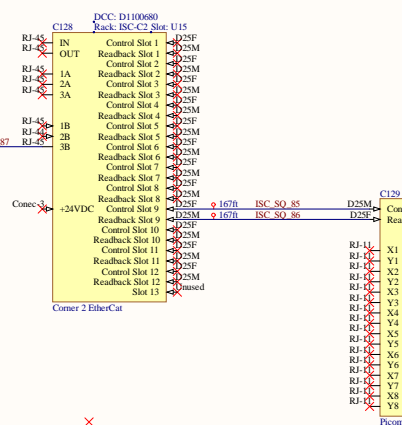
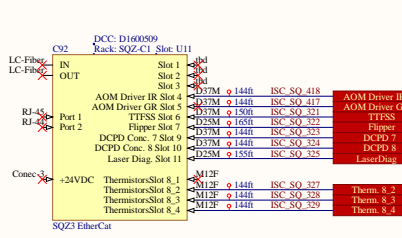
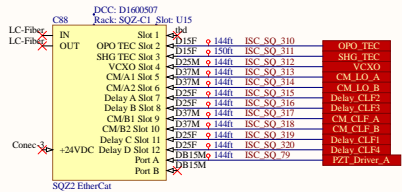
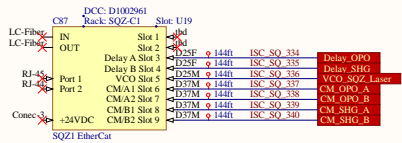


Key

- Points 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

Last Edited: 10/1/2019

Title Squeezer Miscellaneous		LIGO Laboratory California Institute of Technology Massachusetts Institute of Technology		LIGO	
Size: C	DCC Number: D1700384	SCH / PCB Revision: V10	Engineer: R. Abbot	Date: 10/1/2019	
File: C:\Users\Public\Documents\Altam\Projects\Squeezer wiring_v10\Squeezer\Miscellaneous_v10.SchDoc				Time: 2:53:33 PM	Sheet 7 of 9



Key

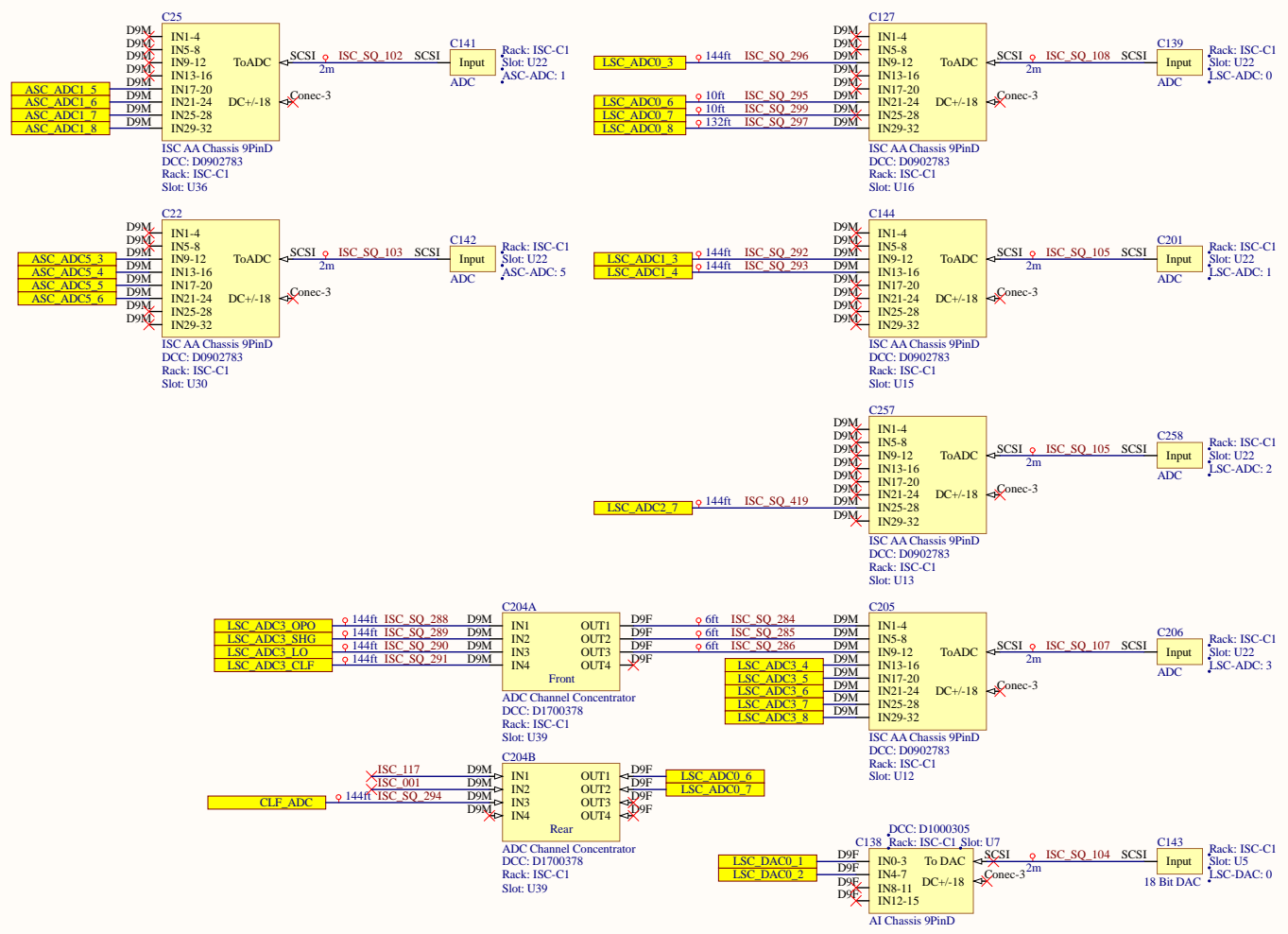
- Dies to Other Sheets
- Die Identifies Cable Shield Terminating to Backshell
- ▶ Pin With Triangle Indicates Pin on Rear or the Like
- ▶ Pin With No Triangle Indicates Pin on Front or the Like
- Light Blue Symbols Are In Vacuum
- Yellow Symbols Are In Air

A

B

C

D



Last Edited: 10/1/2019

Title Squeezer ADC/DAC		LIGO Laboratory California Institute of Technology Massachusetts Institute of Technology		LIGO	
Size: B	DCC Number: D1700384	Revision: V10	Engineer: R. Abbott	Date: 10/1/2019	Time: 2:53:33 PM

File: C:\Users\Public\Documents\Althum\Projects\Squeezer_wiring_v10\SqueezerADC_DAC_v10.SchDoc