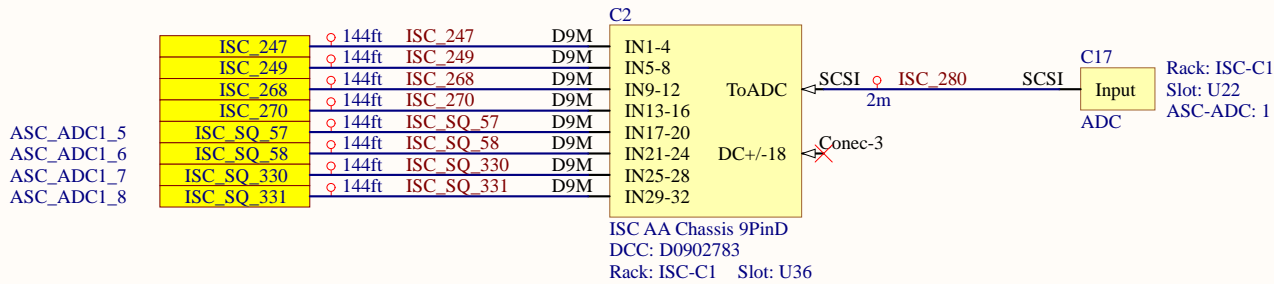
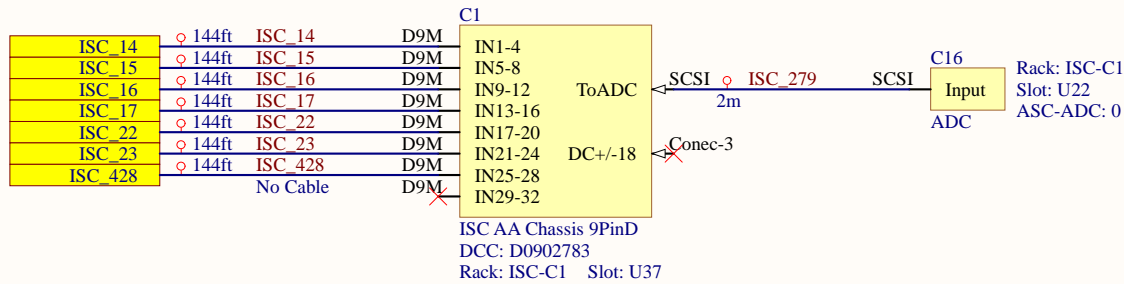
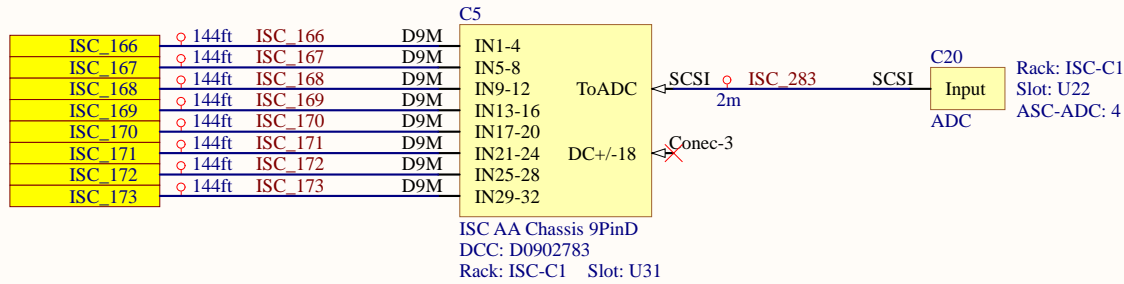
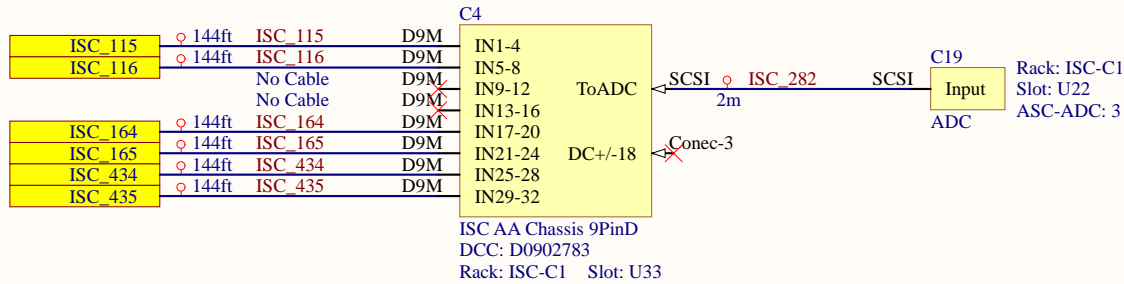
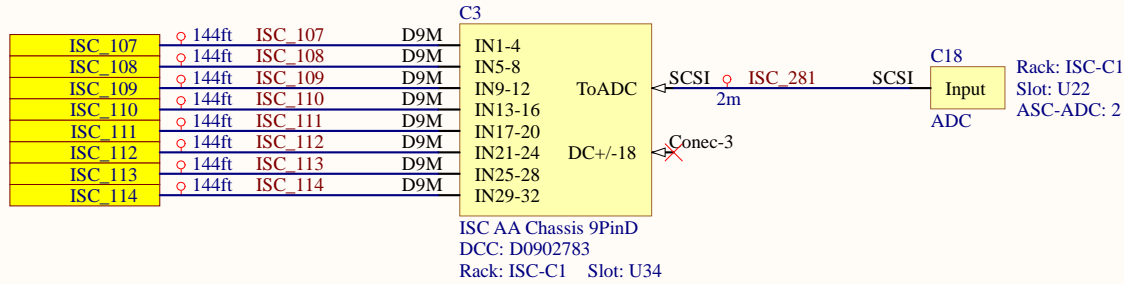


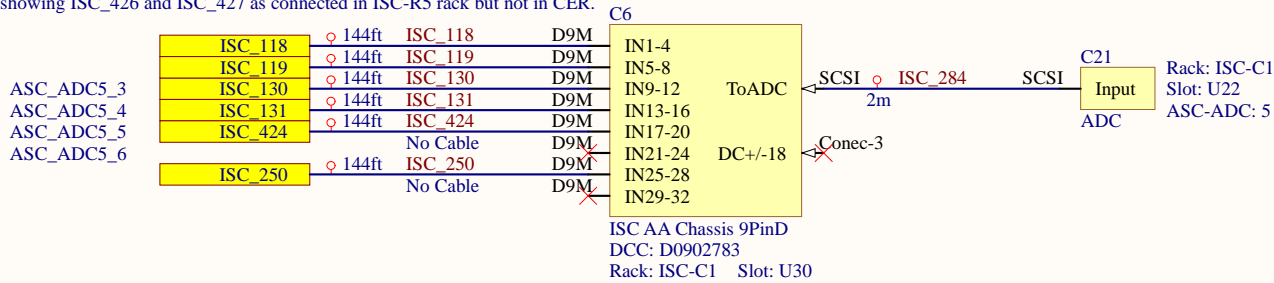
ISC-C1 Rack



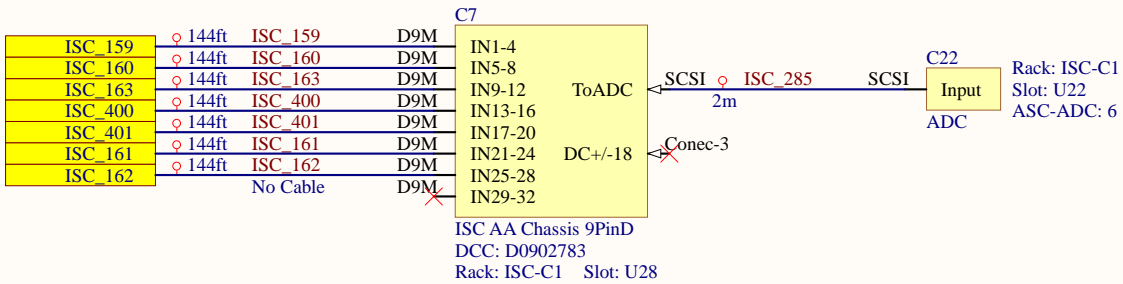
ASC_ADC1_5
ASC_ADC1_6
ASC_ADC1_7
ASC_ADC1_8



Reverify cables, showing ISC_426 and ISC_427 as connected in ISC-R5 rack but not in CER.

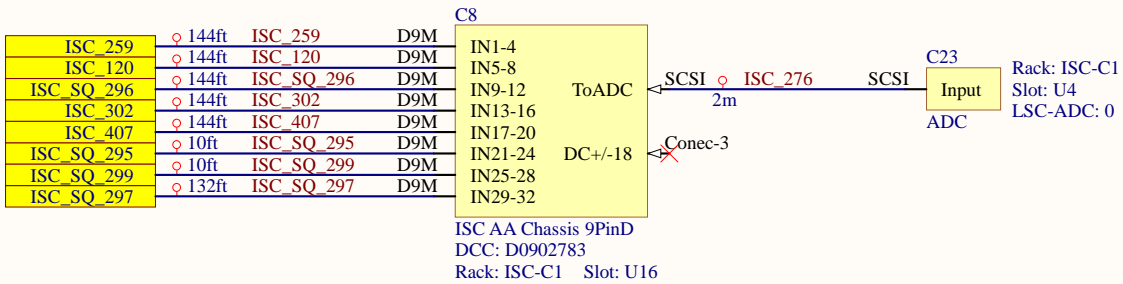


ASC_ADC5_3
ASC_ADC5_4
ASC_ADC5_5
ASC_ADC5_6

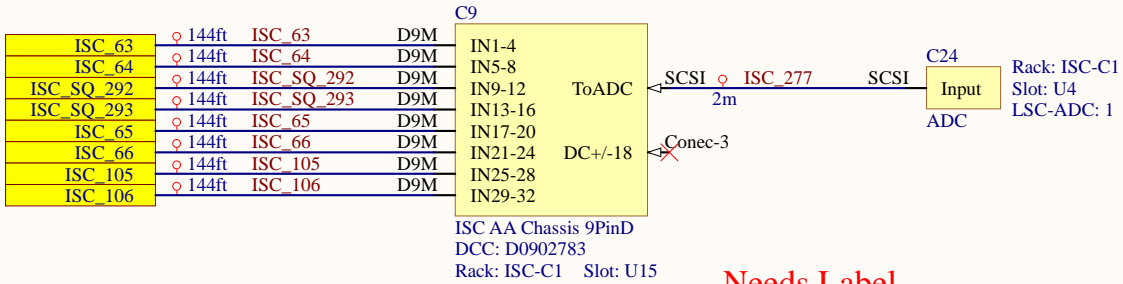


LSC_ADC0_3

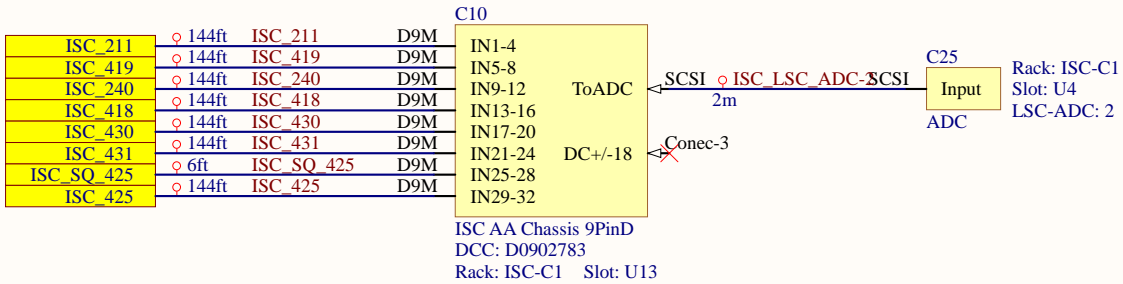
LSC_ADC0_8



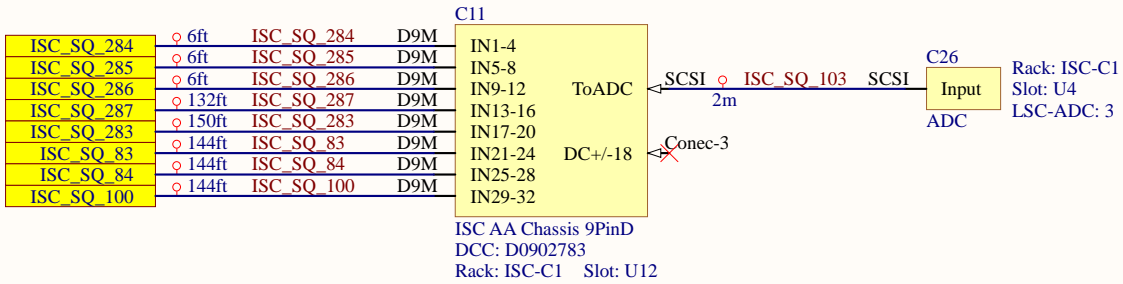
LSC_ADC1_3
LSC_ADC1_4



Needs Label



Text
Text
Text
LSC_ADC3_4
LSC_ADC3_5
LSC_ADC3_6
LSC_ADC3_7
LSC_ADC3_8

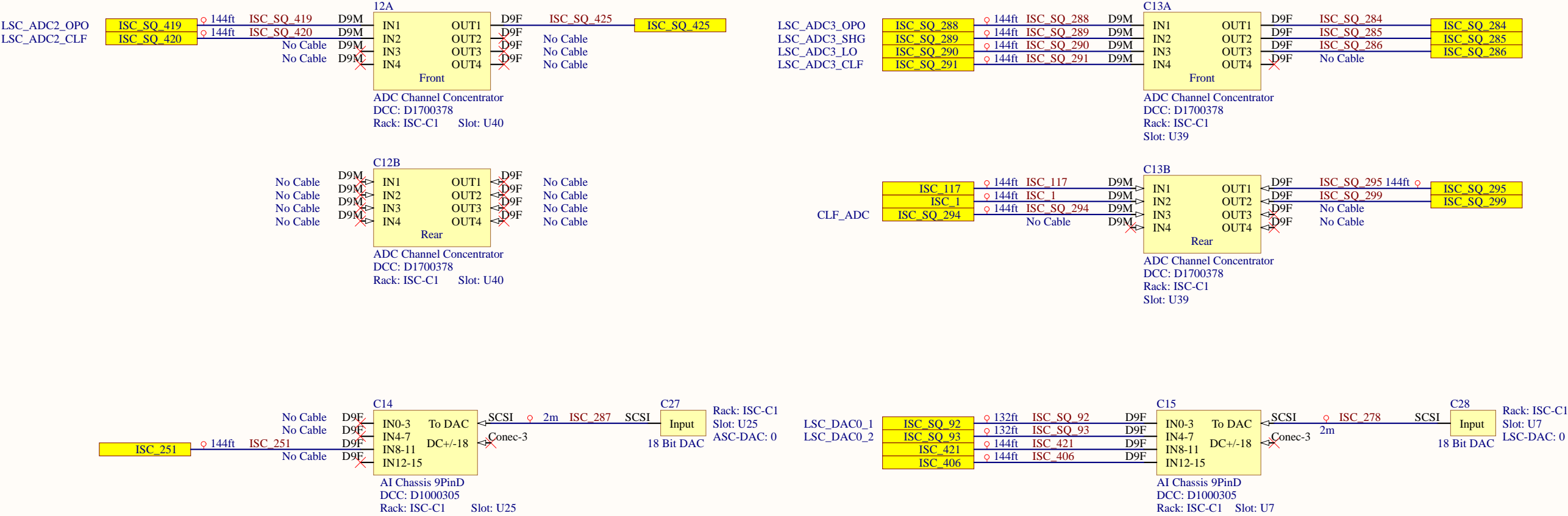


Following cables are not connected in the CER:

ISC_101, ISC_175, ISC_242, ISC_410, ISC_426, and ISC_427

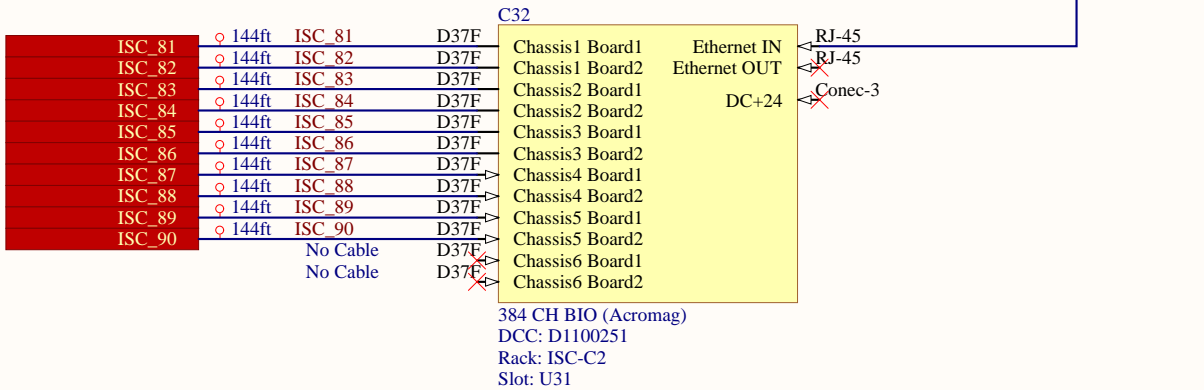
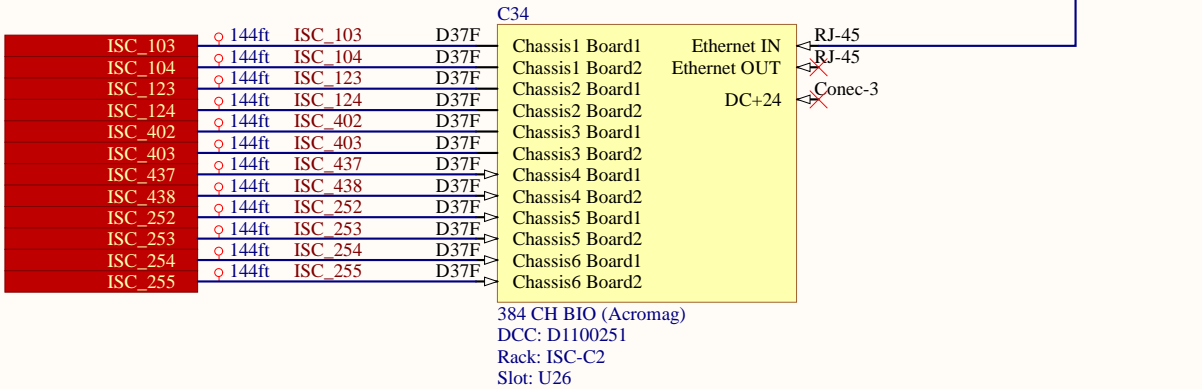
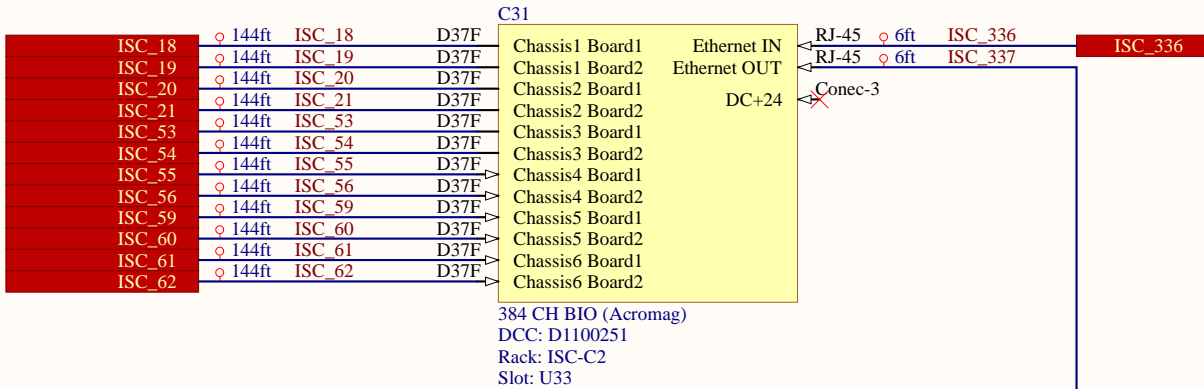
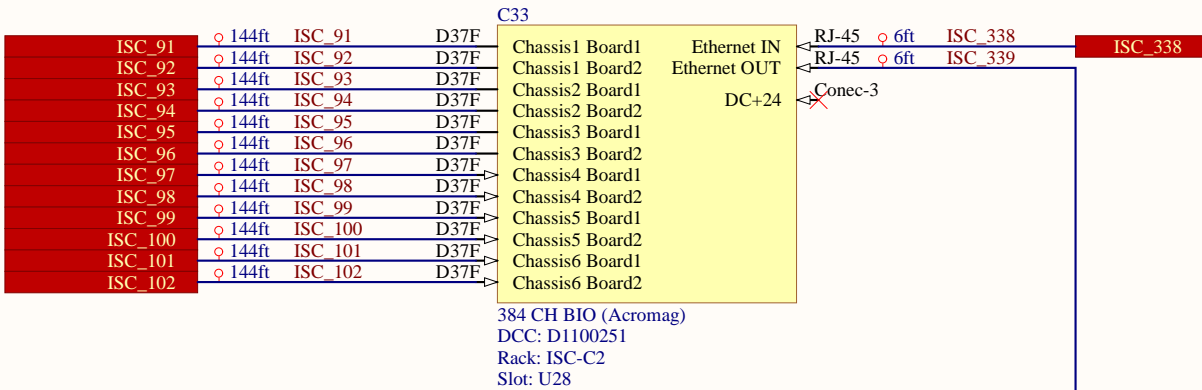
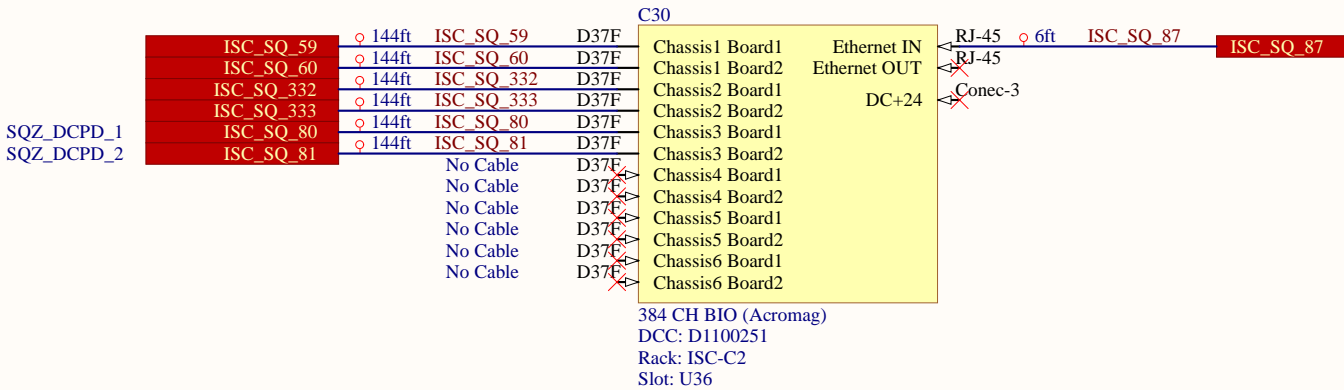
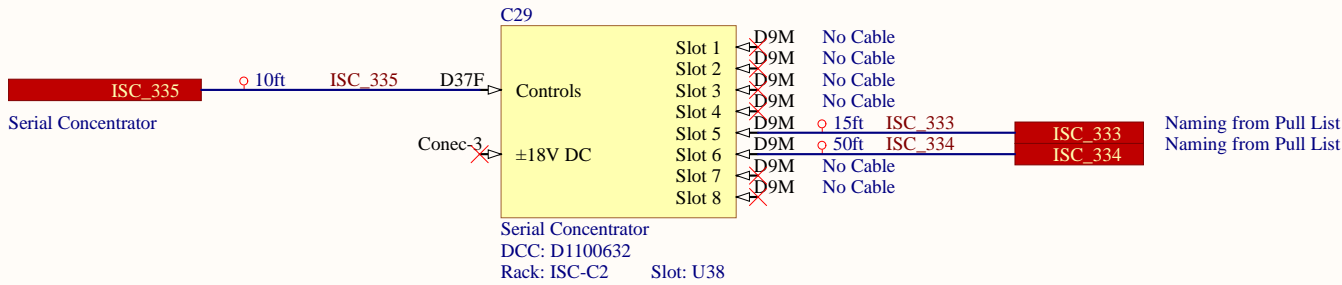
Title		
ISC System Wiring Diagram		
Size	Number	Revision
B	D1900511	v1
Date:	1/13/2021	Sheet 1 of TBD
File:	C:\Users\...\ISC_C1_SH1.SchDoc	Drawn By: Filiberto Clara

ISC-C1 Rack



Title		
ISC System Wiring Diagram		
Size	Number	Revision
B	D1900511	v1
Date:	1/13/2021	Sheet 2 of TBD
File:	C:\Users\...\ISC_C1_SH2.SchDoc	Drawn By: Filiberto Clara

ISC-C2 Rack



Title		
ISC System Wiring Diagram		
Size	Number	Revision
B	D1900511	v1
Date:	1/13/2021	Sheet 3 of TBD
File:	C:\Users\...\ISC_C2_SH1.SchDoc	Drawn By: Filiberto Clara

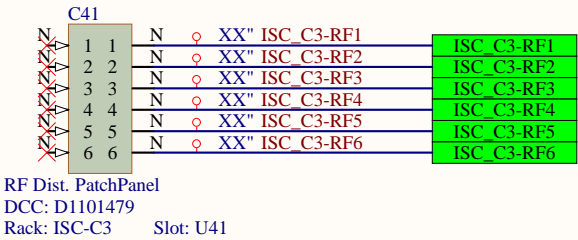
ISC-C2 Rack



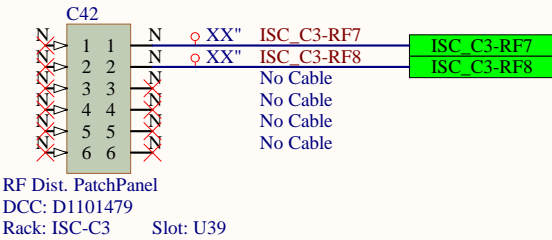
Title		
ISC System Wiring Diagram		
Size	Number	Revision
B	D1900511	v1
Date:	1/13/2021	Sheet 4 of TBD
File:	C:\Users\...\ISC_C2_SH2.SchDoc	Drawn By: Filiberto Clara

ISC-C3 Rack

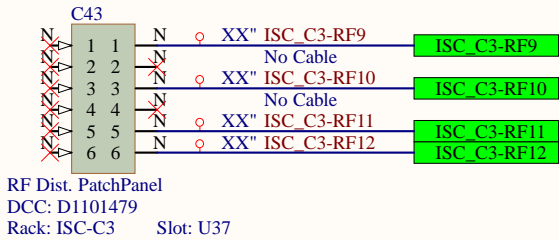
RF Patch Panel 7



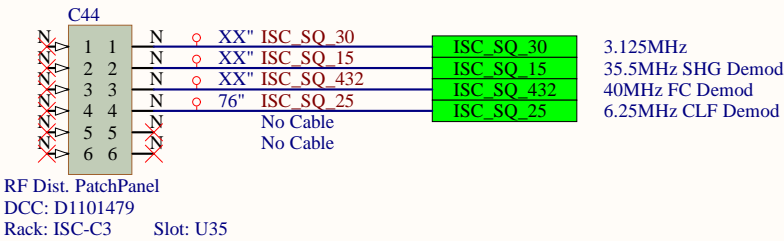
RF Patch Panel 8



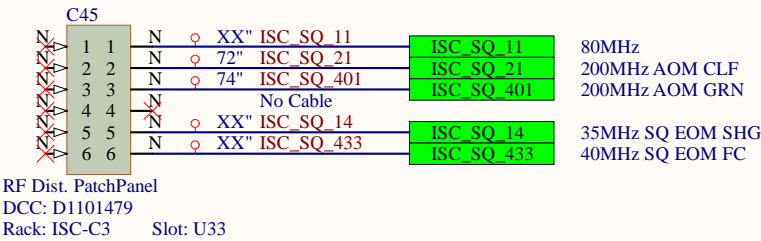
RF Patch Panel 9 (TCS)



RF Patch Panel 32 (SQZ)



RF Patch Panel 33 (SQZ)



Cables that are removed
ISC_SQ_31
ISC_SQ_12
ISC_SQ_78

Title		
ISC System Wiring Diagram		
Size	Number	Revision
B	D1900511	v1
Date:	1/13/2021	Sheet 5 of TBD
File:	C:\Users\...\ISC_C3_SH1.SchDoc	Drawn By: Filiberto Clara

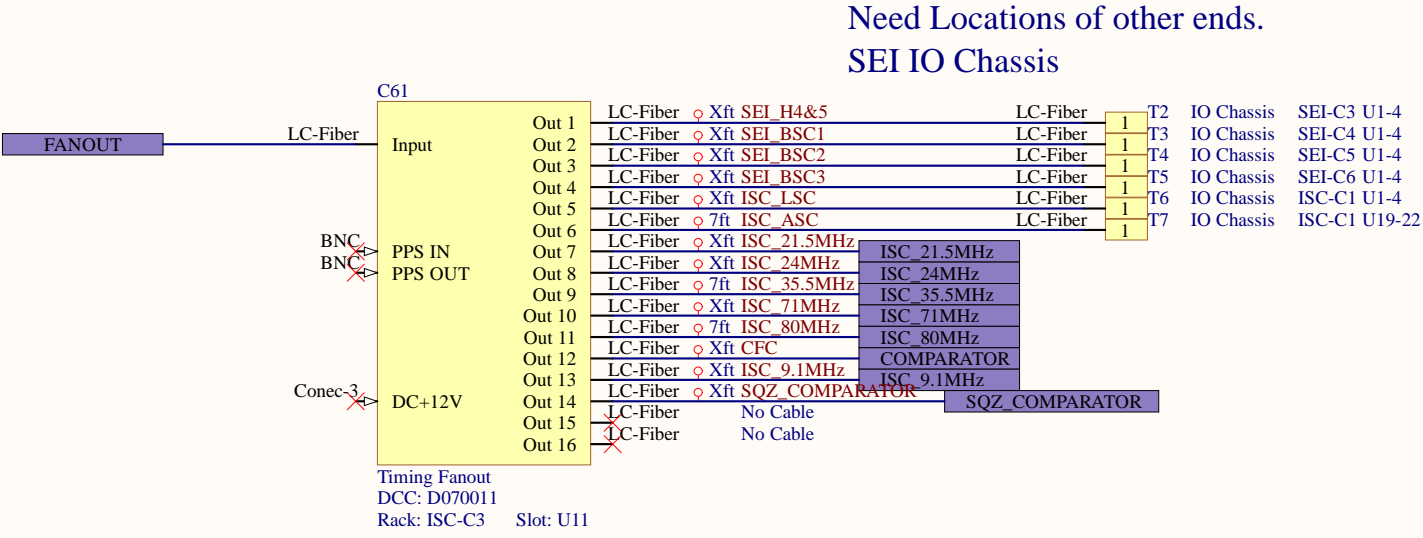
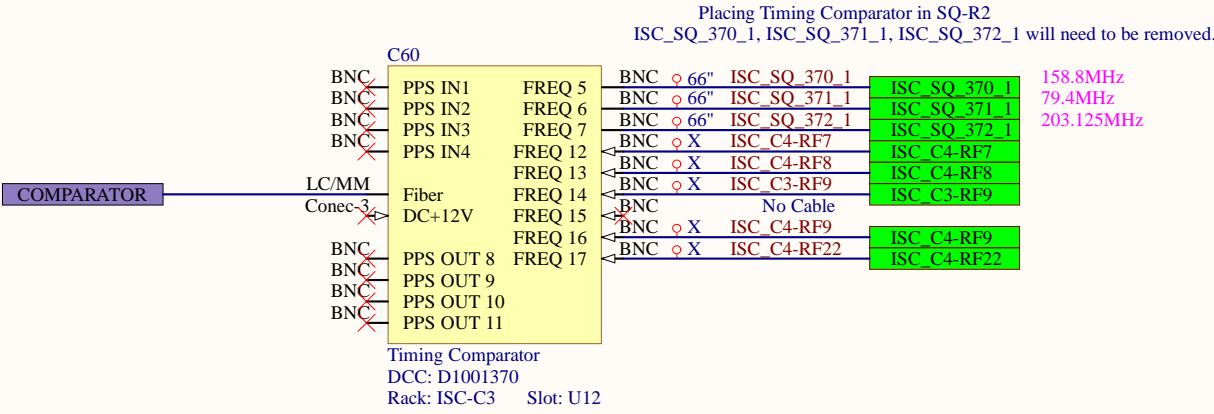
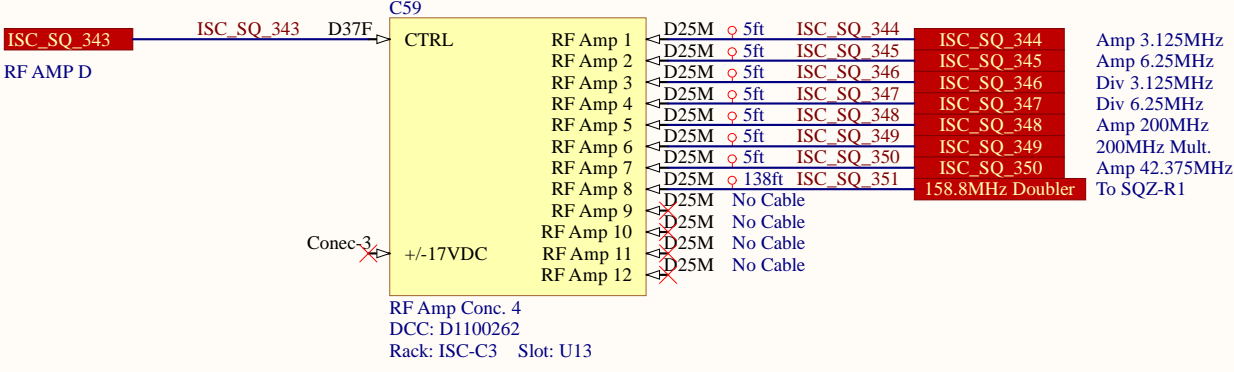
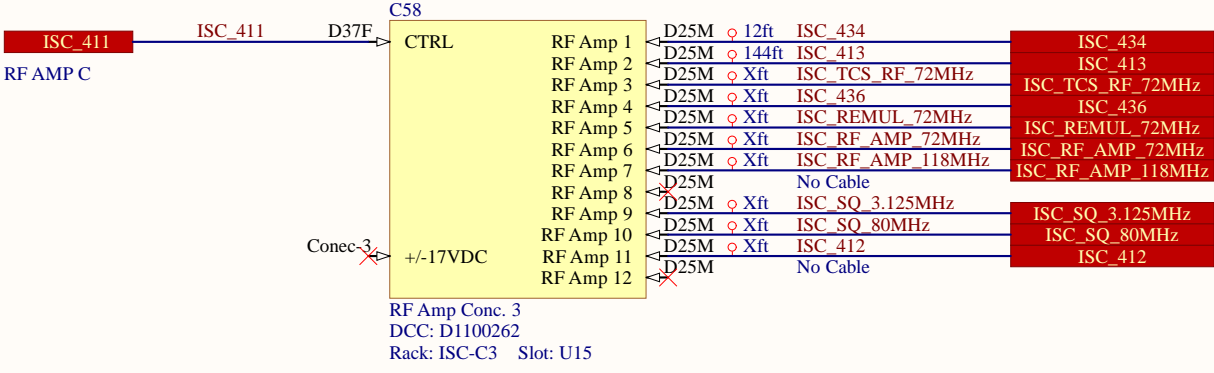
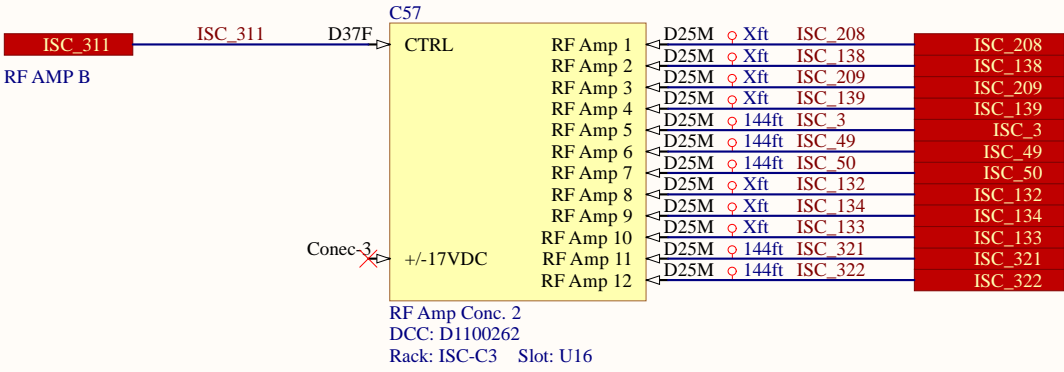
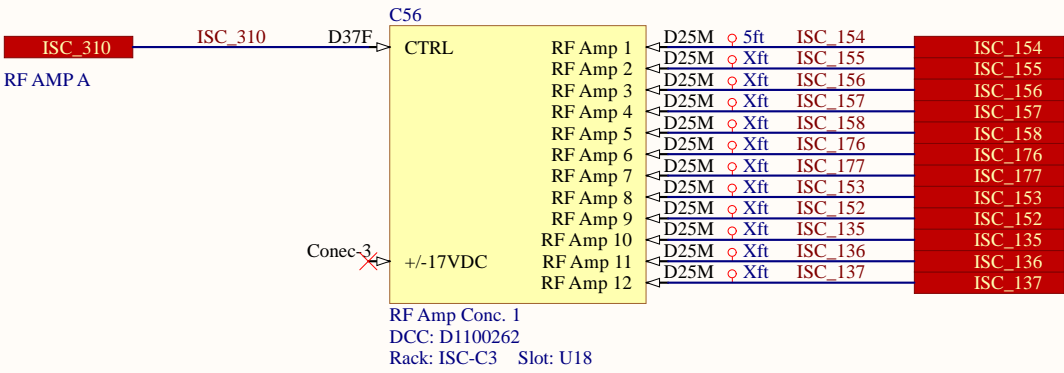
ISC-C3 Rack



Need to label IFR cable with RF22

Title		
ISC System Wiring Diagram		
Size	Number	Revision
B	D1900511	v1
Date:	1/13/2021	Sheet 6 of TBD
File:	C:\Users\...\ISC_C3_SH2.SchDoc	Drawn By: Filiberto Clara

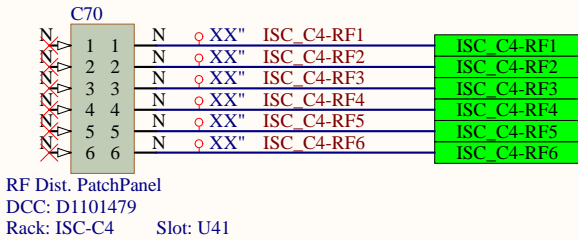
ISC-C3 Rack



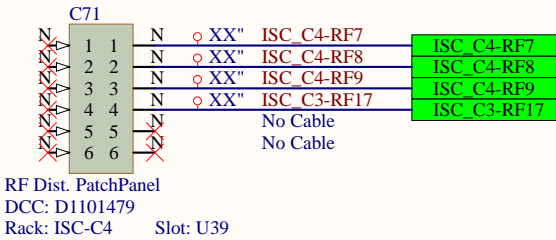
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ISC System Wiring Diagram			
Size	Number	Revision	
B	D1900511	v1	
Date:	1/13/2021	Sheet	7 of TBD
File:	C:\Users\...\ISC_C3.SH3.SchDoc	Drawn By:	Filiberto Clara

ISC-C4 Rack

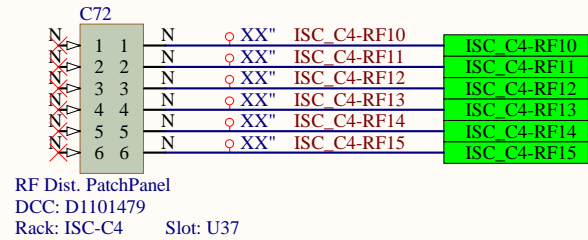
RF Patch Panel 1



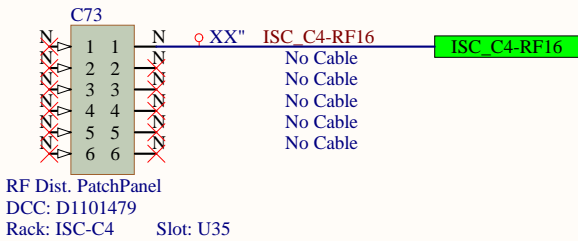
RF Patch Panel 2



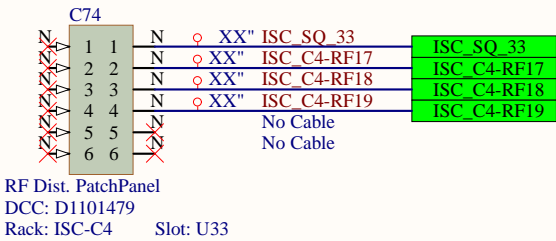
RF Patch Panel 3



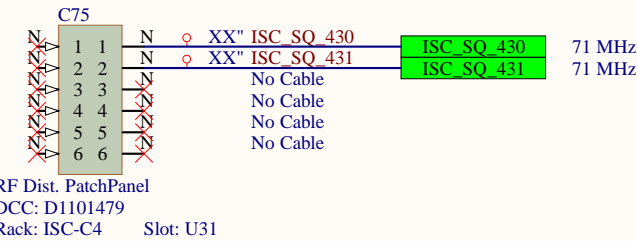
RF Patch Panel 4



RF Patch Panel 5

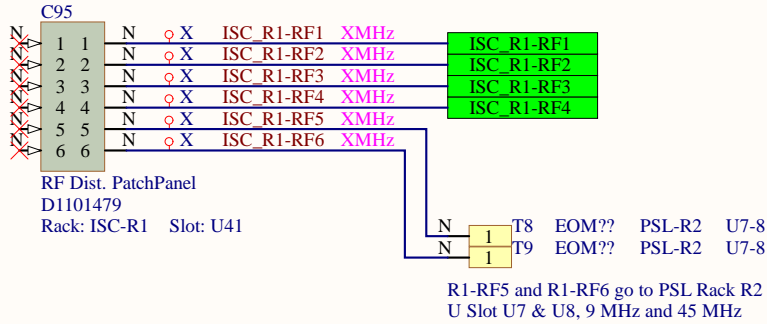


RF Patch Panel 6

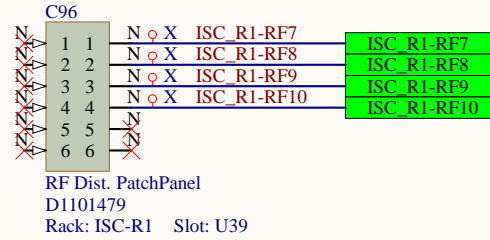


Title		
ISC System Wiring Diagram		
Size	Number	Revision
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Date:	1/13/2021	Sheet 8 of TBD
File:	C:\Users\...\ISC_C4_SH1.SchDoc	Drawn By: Filiberto Clara

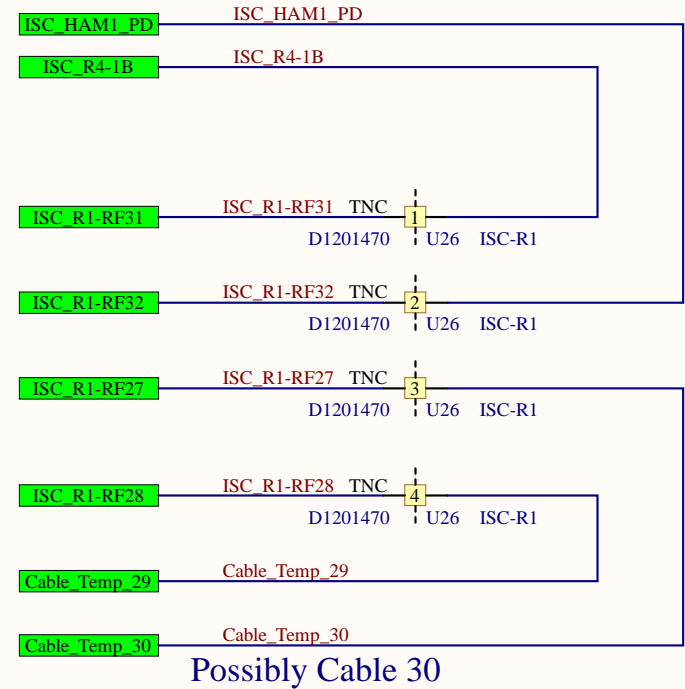
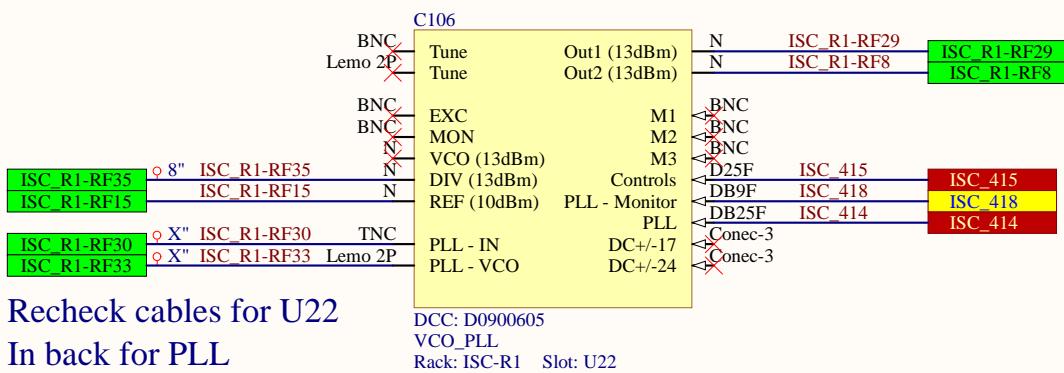
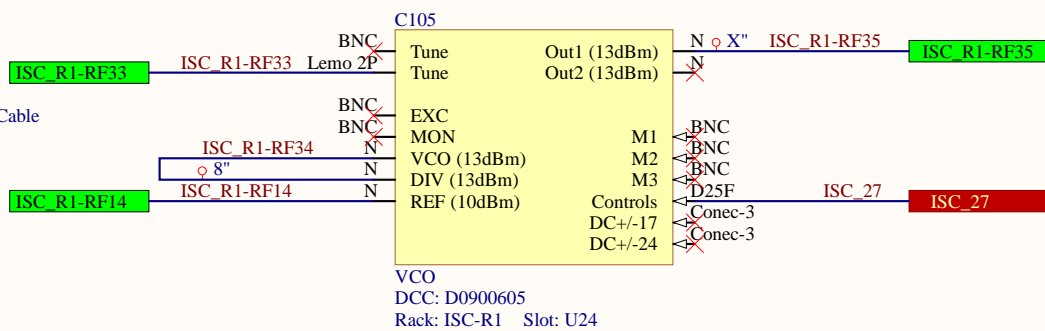
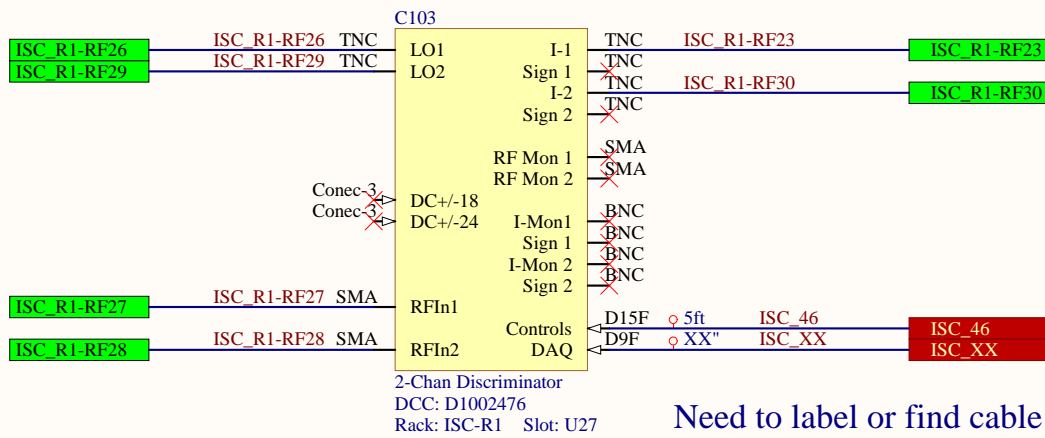
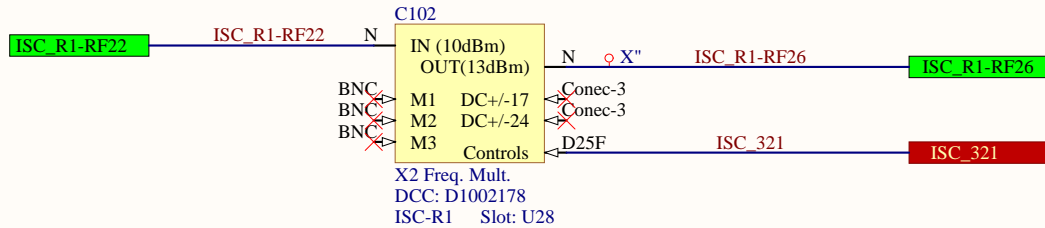
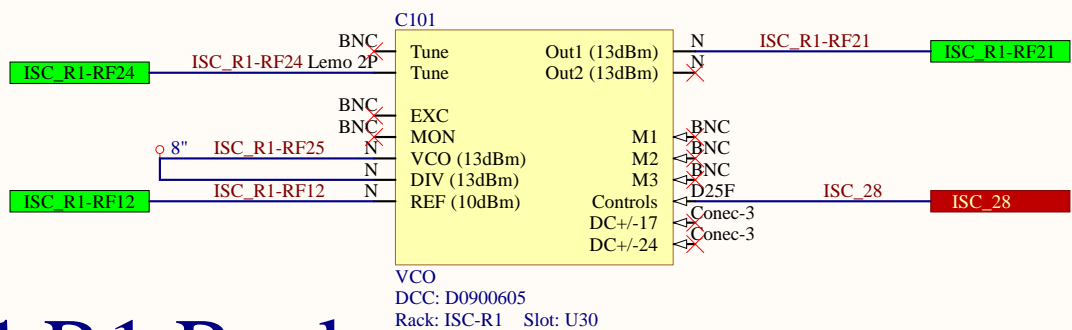
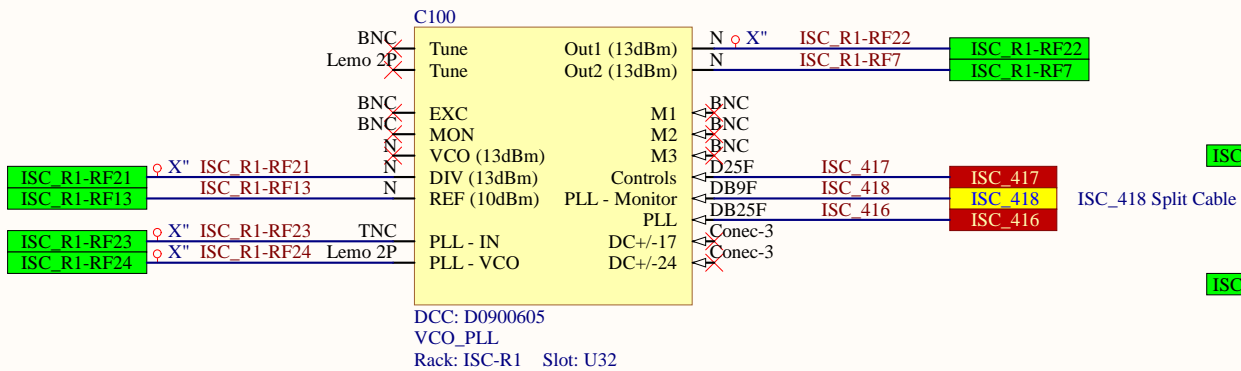
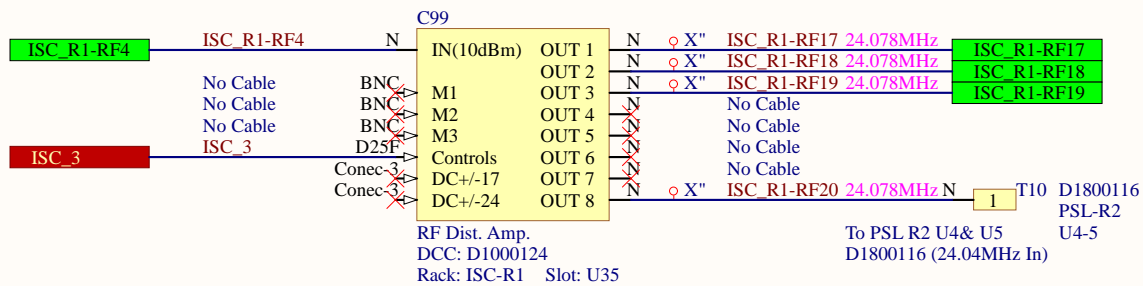
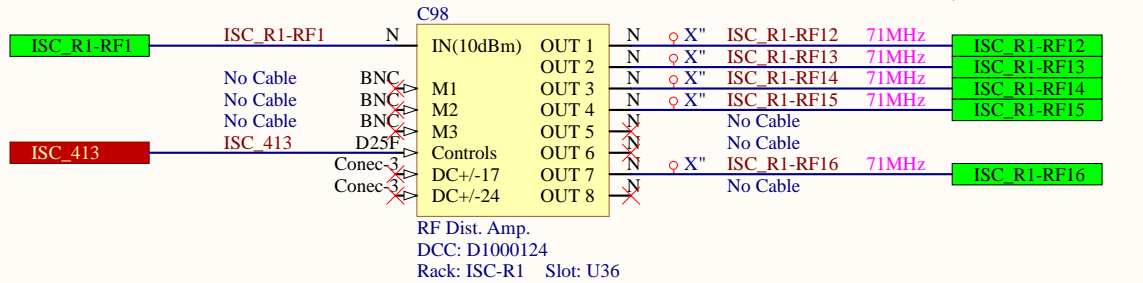
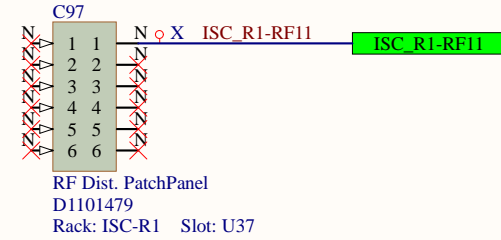
RF Patch Panel 10



RF Patch Panel 11



RF Patch Panel 12



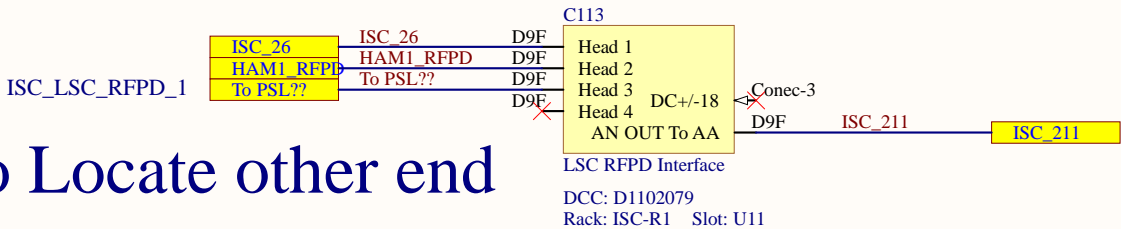
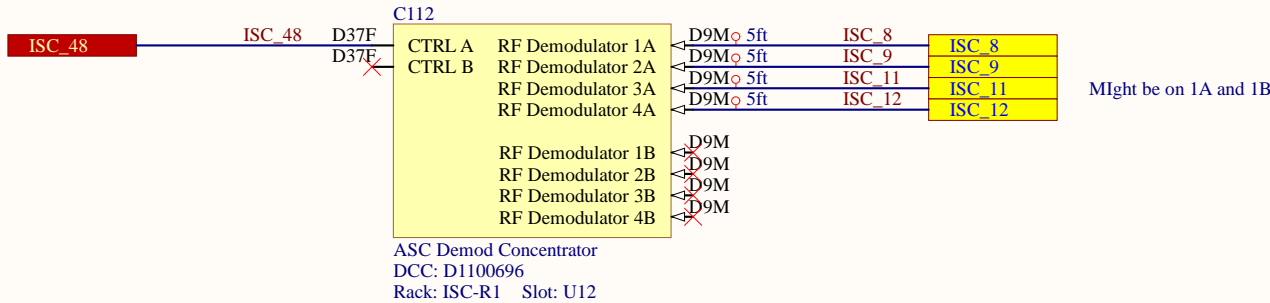
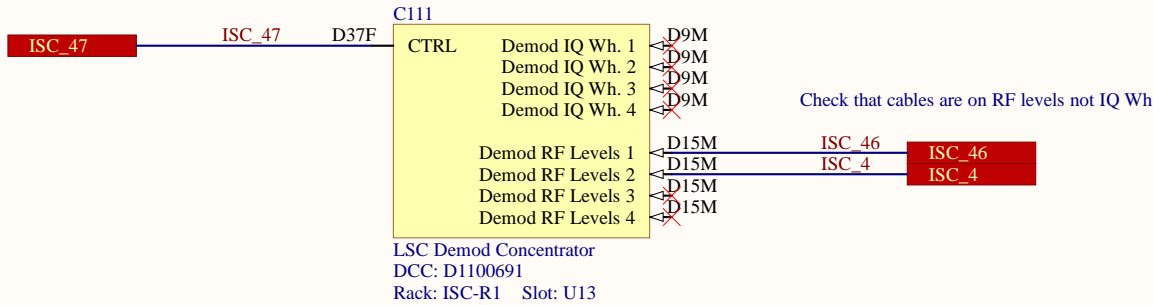
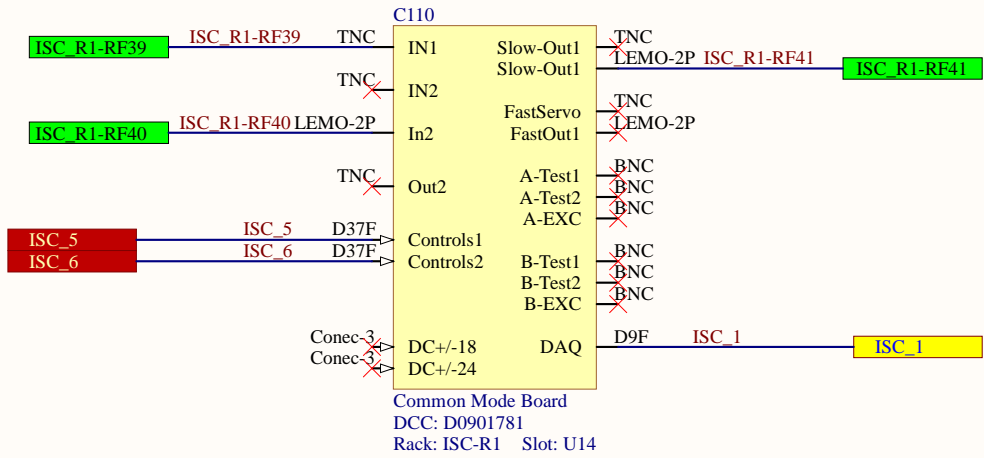
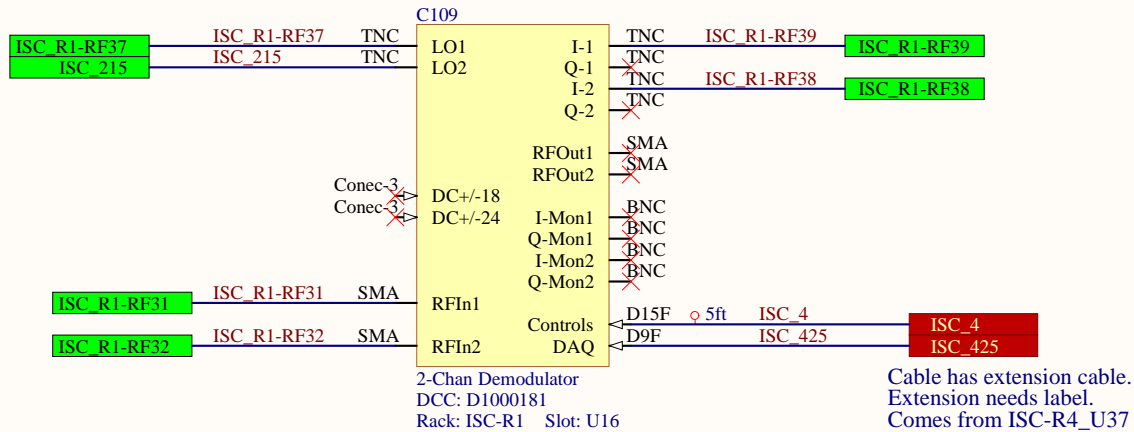
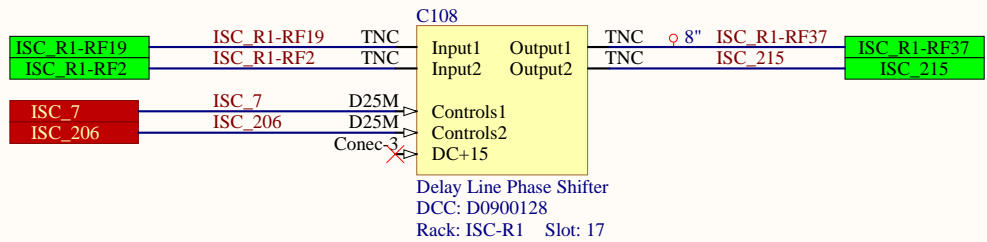
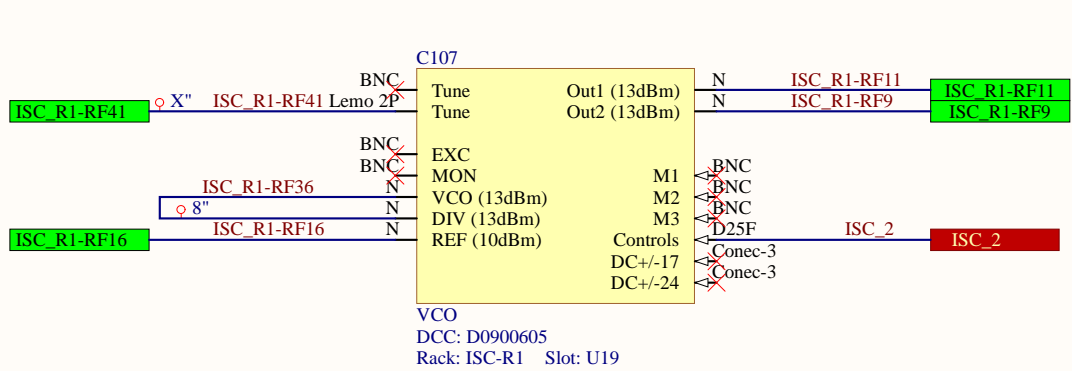
Need to label or find cable number

ISC-R1 Rack

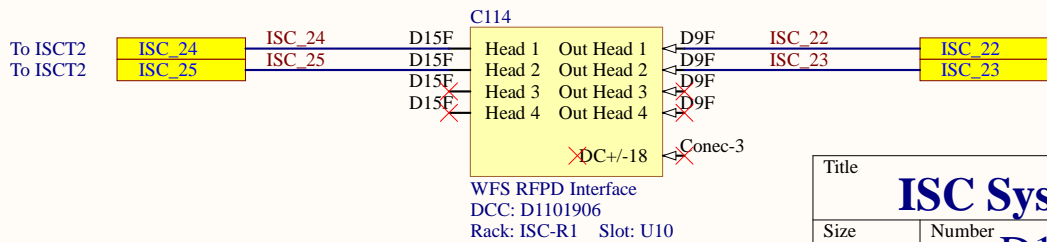
Recheck cables for U22
In back for PLL

Title		
Size	Number	Revision
B	D1900511	v1
Date:	1/13/2021	Sheet 10 of TBD
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ISC-R1 Rack

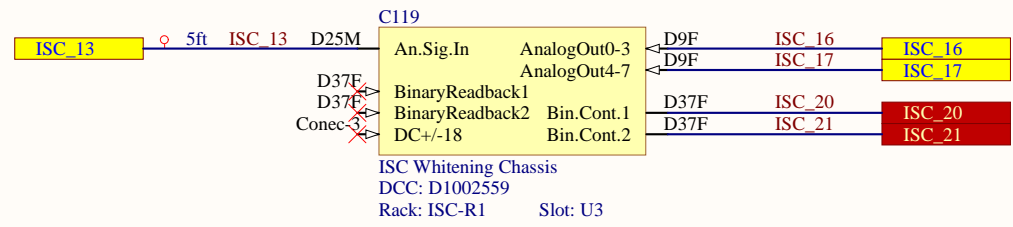
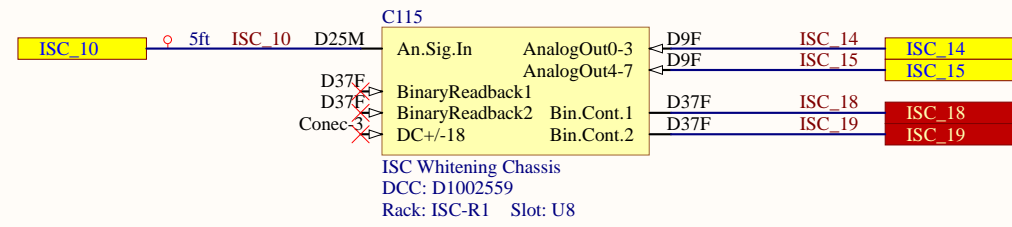


Need to Locate other end

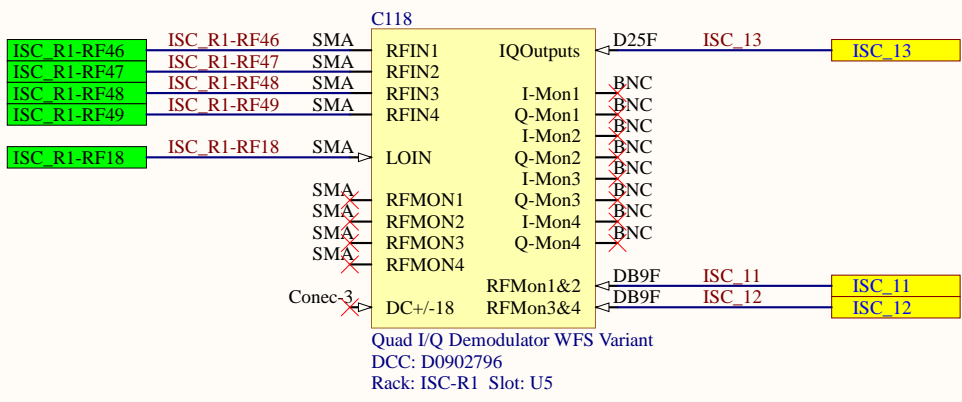
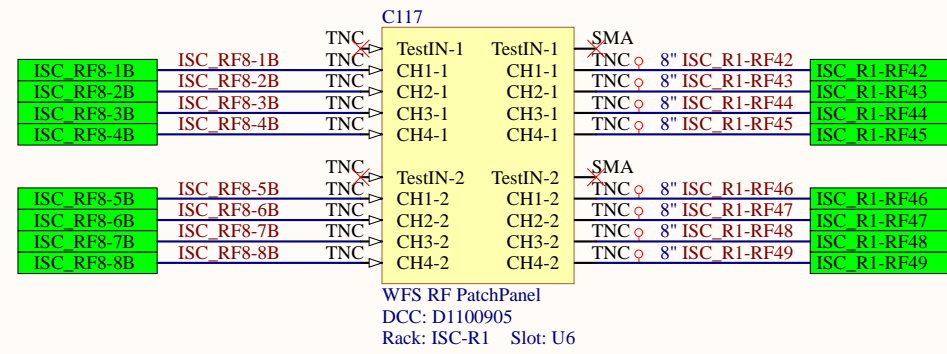
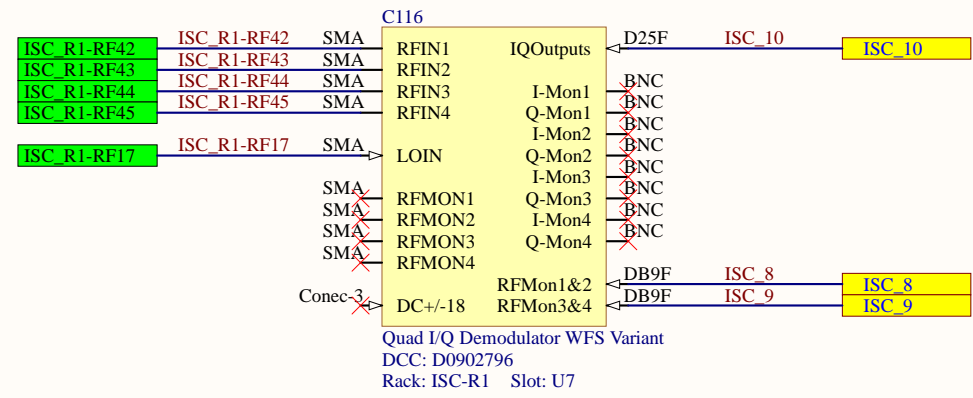
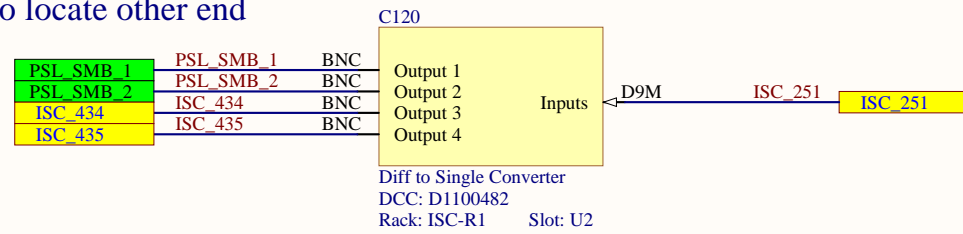


Title		
ISC System Wiring Diagram		
Size	Number	Revision
B	D1900511	v1
Date:	1/13/2021	Sheet 11 of TBD
File:	C:\Users\...\ISC_R1_SH2.SchDoc	Drawn By: Filiberto Clara

ISC-R1 Rack



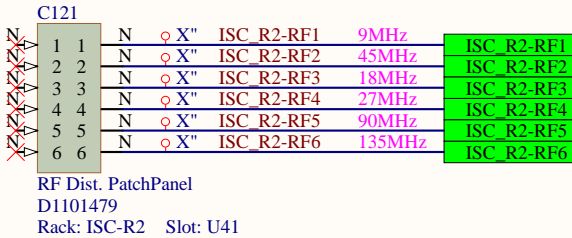
Need to locate other end



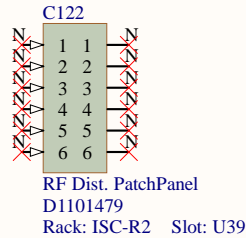
Title		
ISC System Wiring Diagram		
Size	Number	Revision
B	D1900511	v1
Date:	1/13/2021	Sheet 12 of TBD
File:	C:\Users\...\ISC_R1_SH3.SchDoc	Drawn By: Filiberto Clara

ISC-R2 Rack

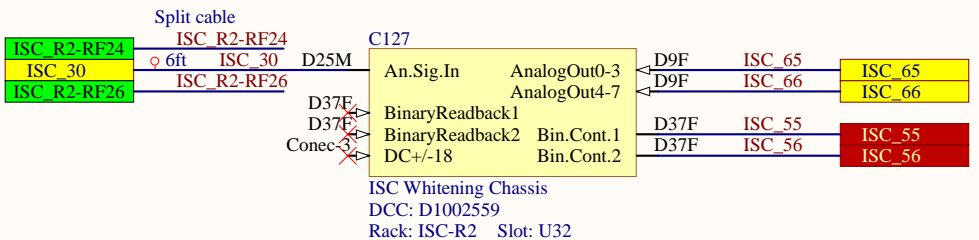
RF Patch Panel 13



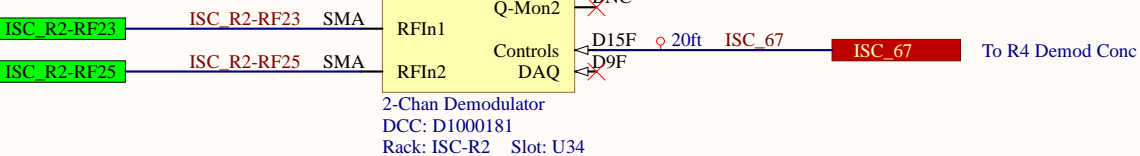
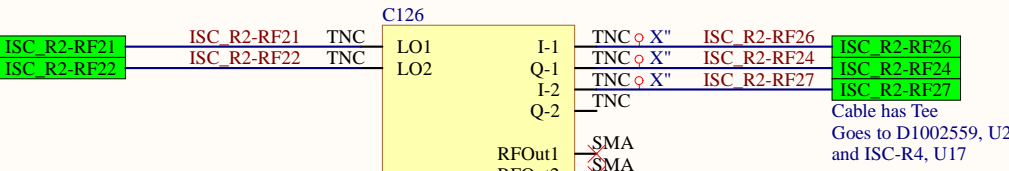
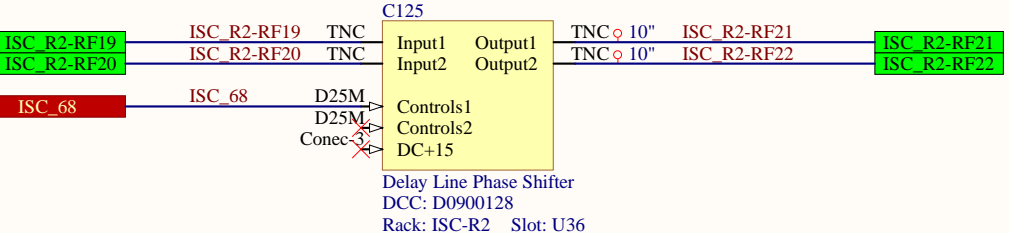
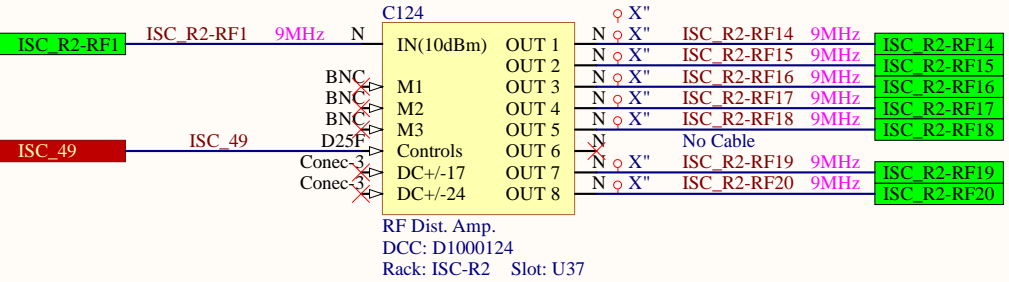
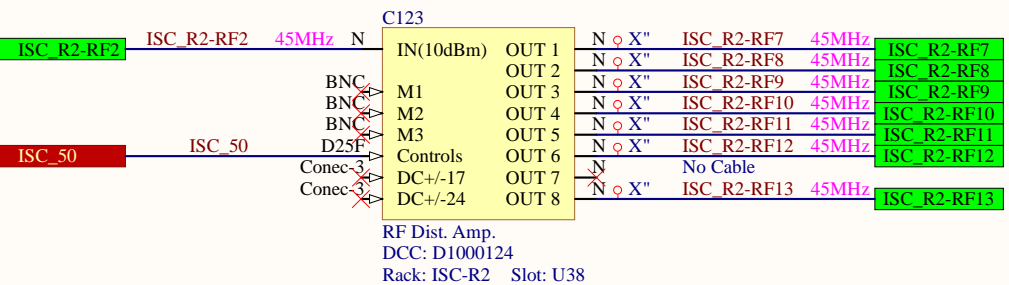
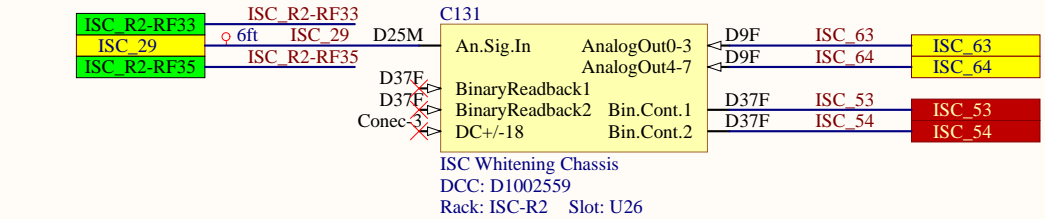
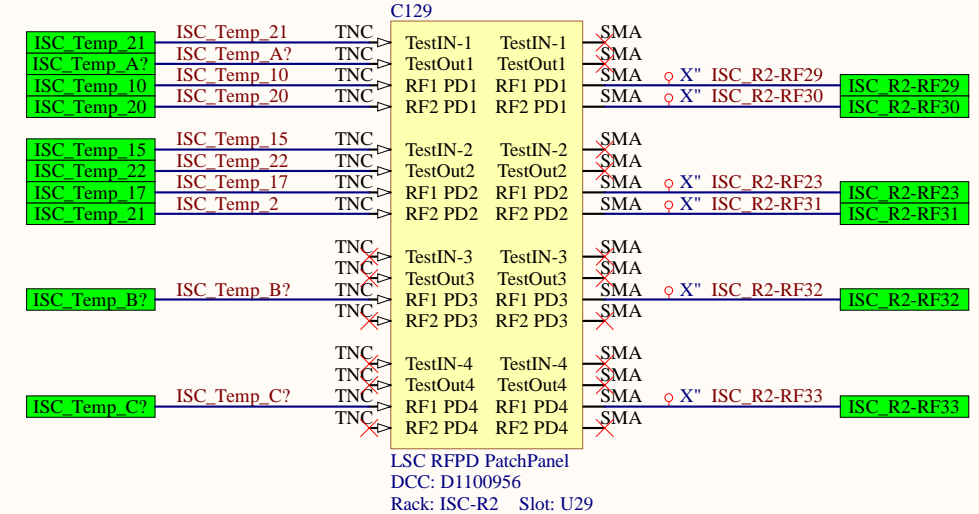
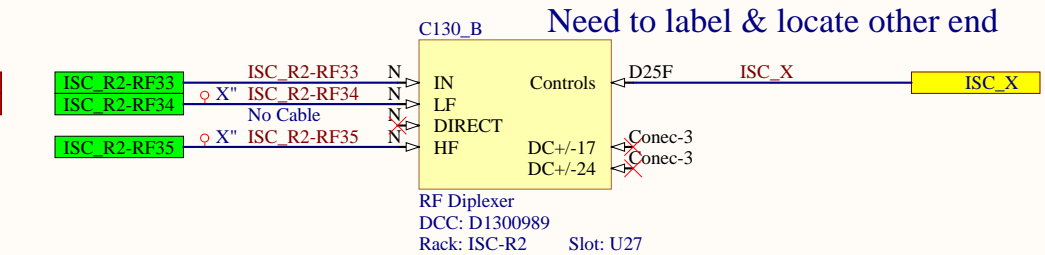
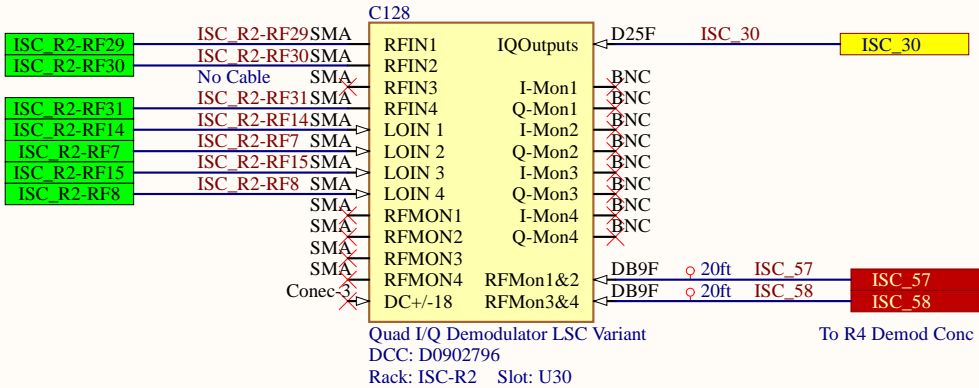
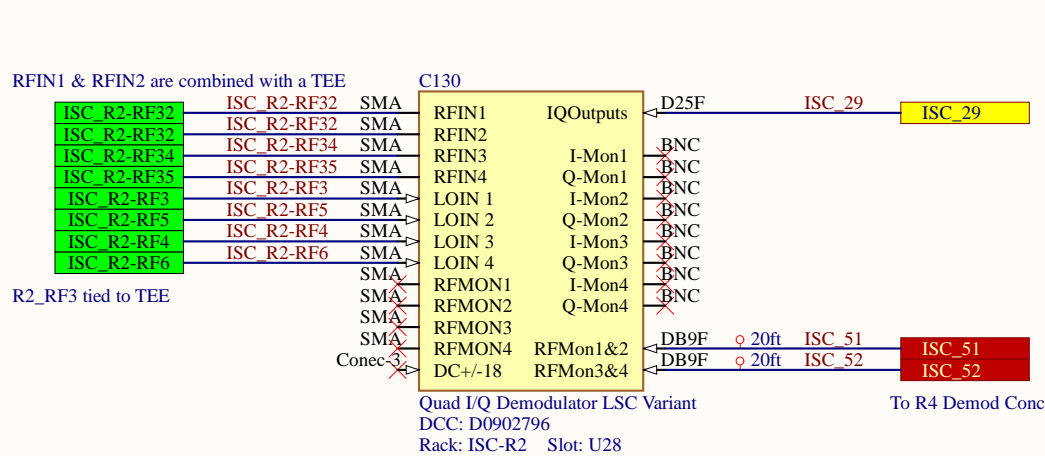
RF Patch Panel 14



LSC POPAIR A 9&45, LSC REFLAIR A 45



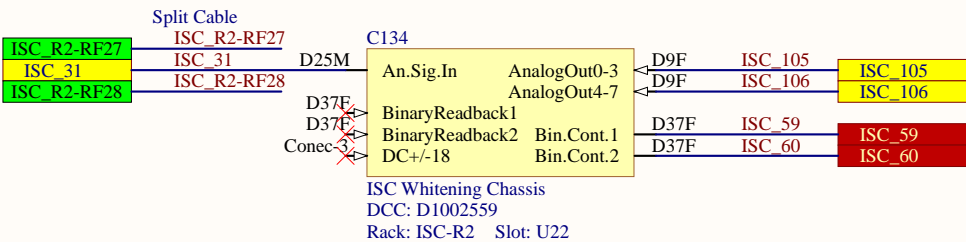
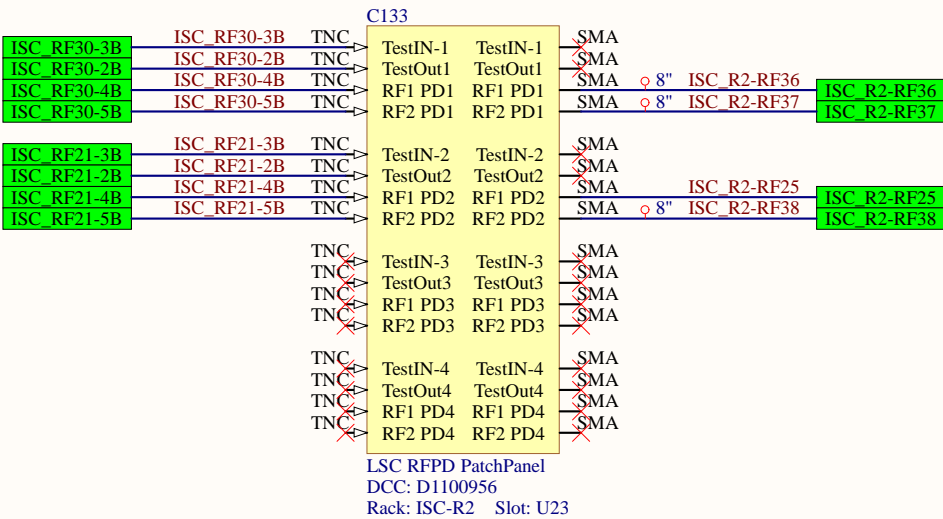
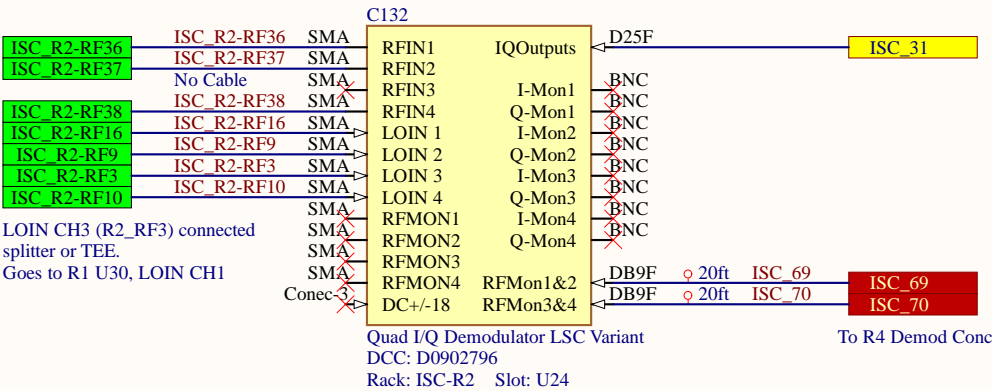
LSC POPAIR B 18&90, LSC REFLAIR B 27&135



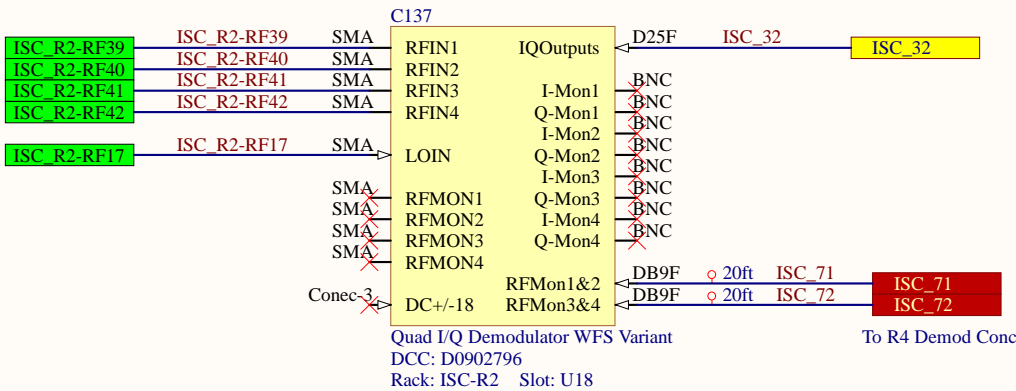
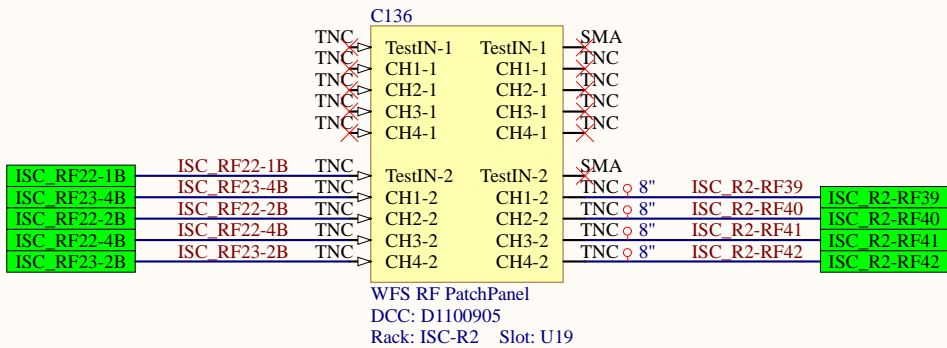
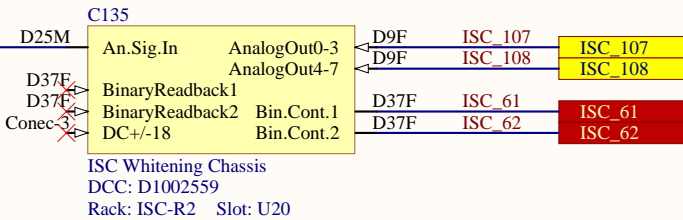
Title		
ISC System Wiring Diagram		
Size	Number	Revision
B	D1900511	v1
Date:	1/13/2021	Sheet 13 of TBD
File:	C:\Users\...\ISC_R2_SH1.SchDoc	Drawn By: Filiberto Clara

ISC-R2 Rack

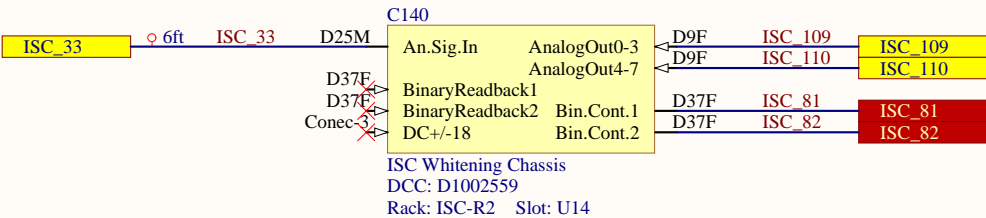
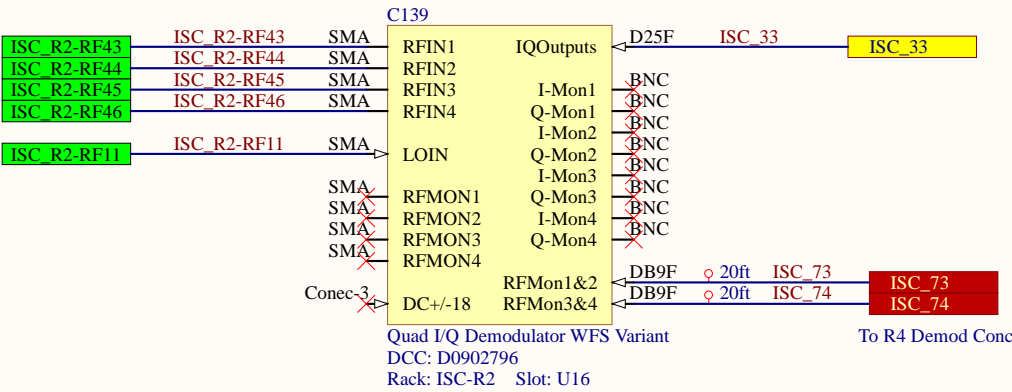
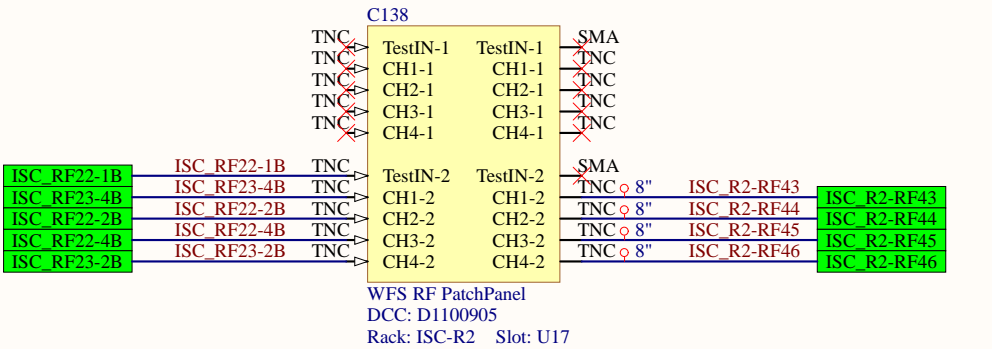
LSC POP, LSC REFL



ASC REFLAIR A 9MHz



ASC REFLAIR A 45MHz



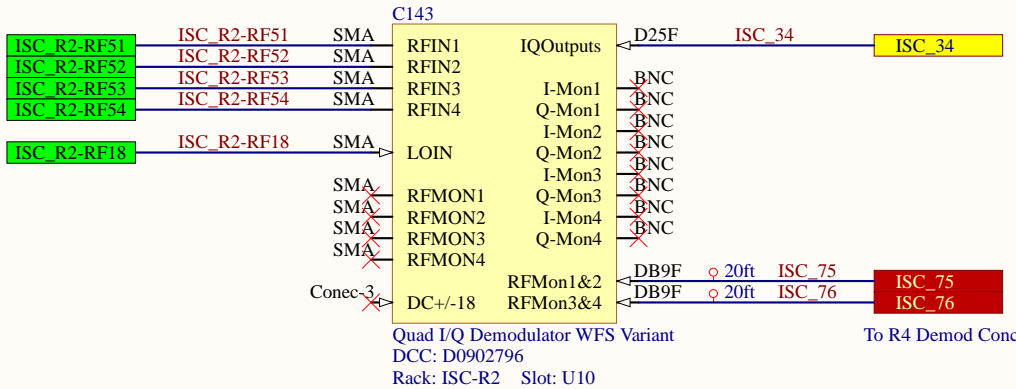
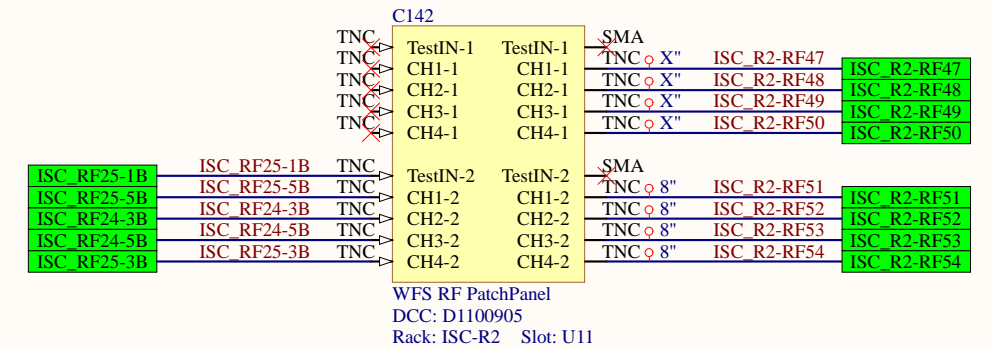
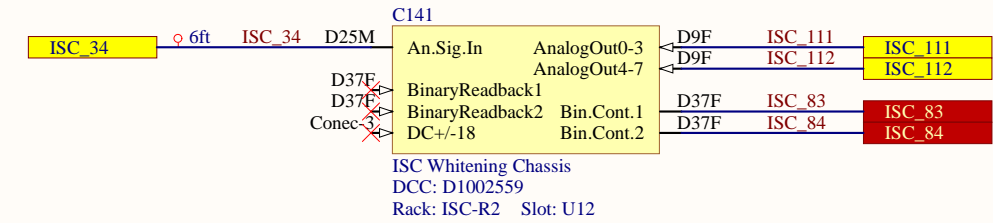
ISC System Wiring Diagram

Size B Number D1900511 Revision v1

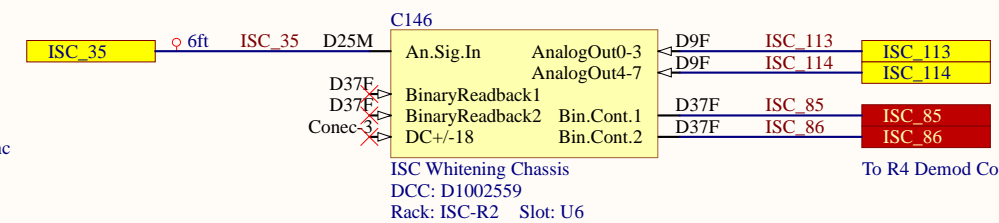
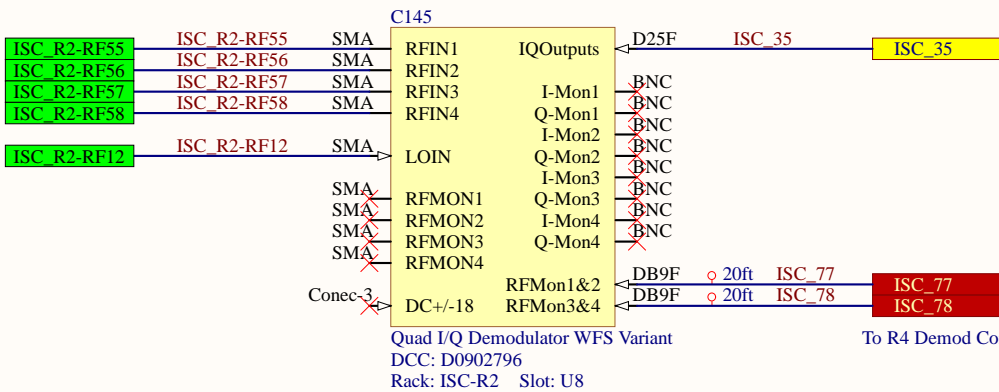
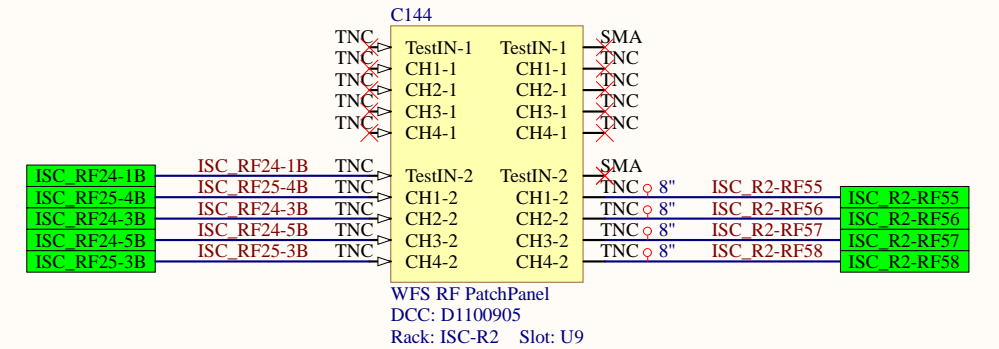
Date: 1/13/2021 Sheet 14 of TBD
File: C:\Users\...\ISC_R2_SH2.SchDoc Drawn By: Filiberto Clara

ISC-R2 Rack

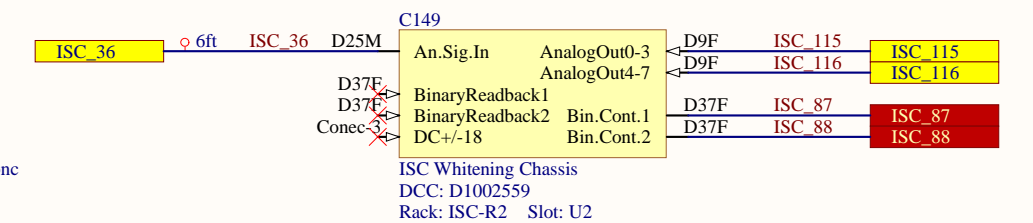
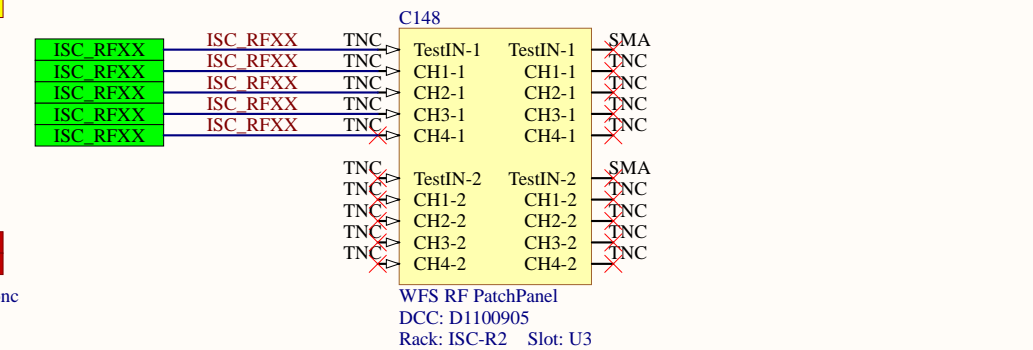
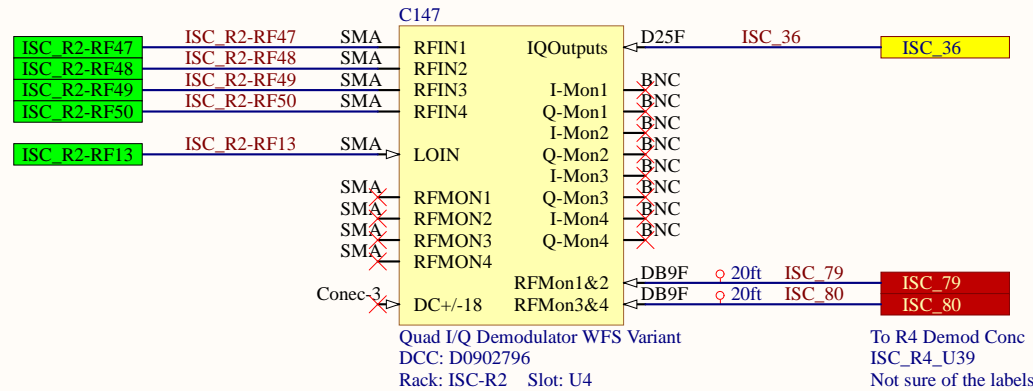
ASC REFLAIR B 9MHz



ASC REFLAIR B 45MHz

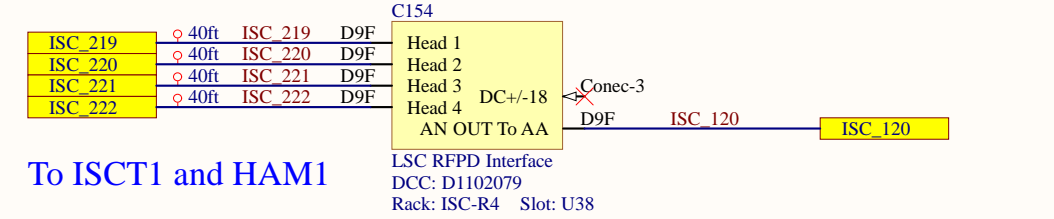
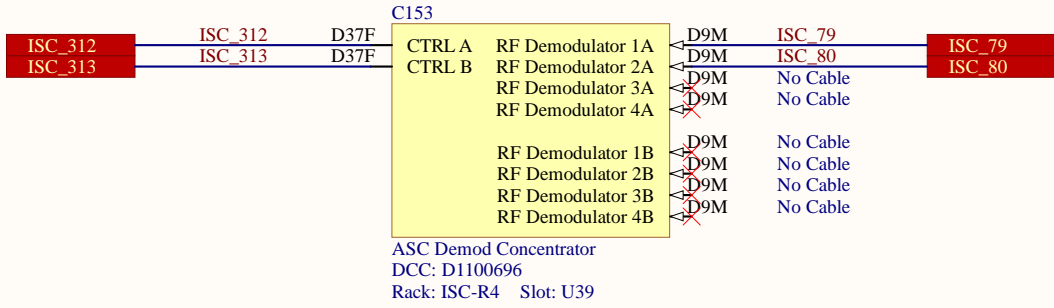
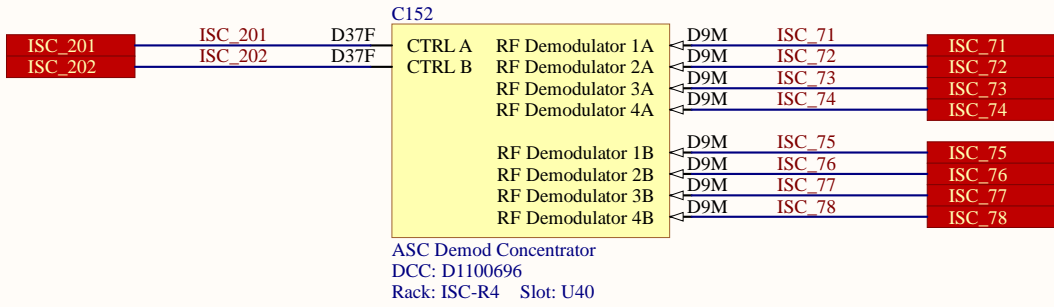
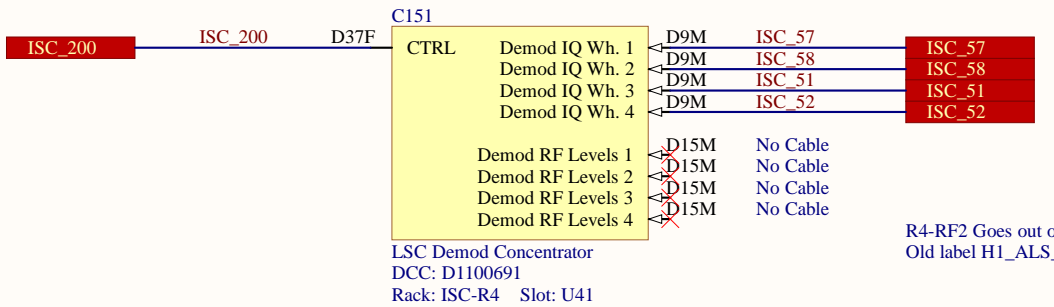
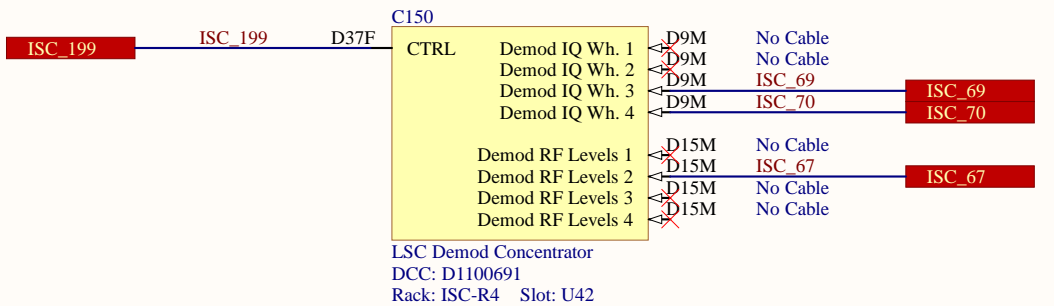


ASC POP A 45MHz

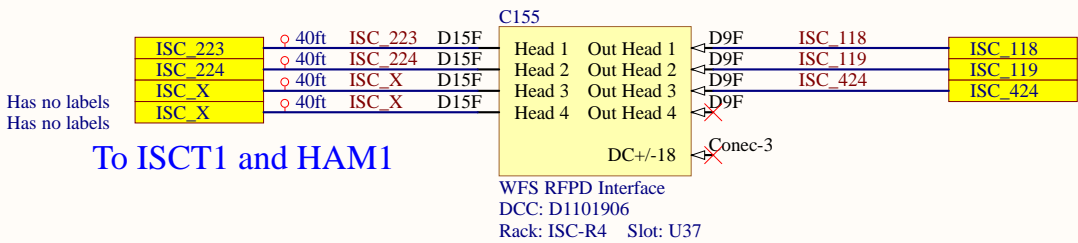


Title		
ISC System Wiring Diagram		
Size	Number	Revision
B	D1900511	v1
Date:	1/13/2021	Sheet 15 of TBD
File:	C:\Users\...\ISC_R2_SH3.SchDoc	Drawn By: Filiberto Clara

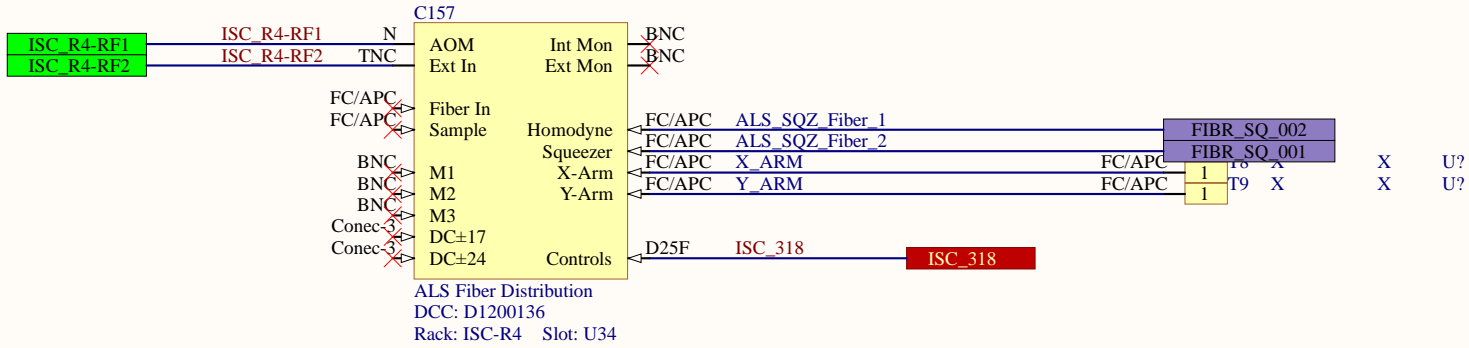
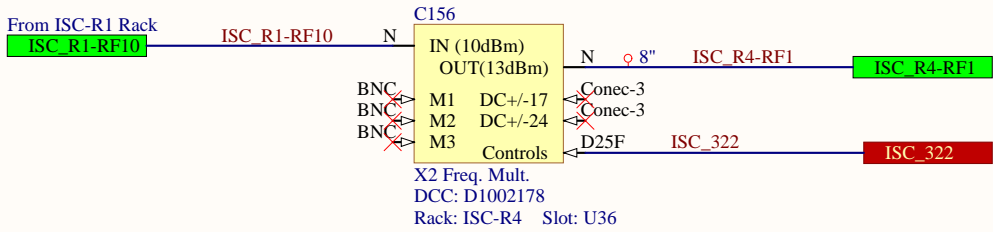
ISC-R4 Rack



To ISCT1 and HAM1



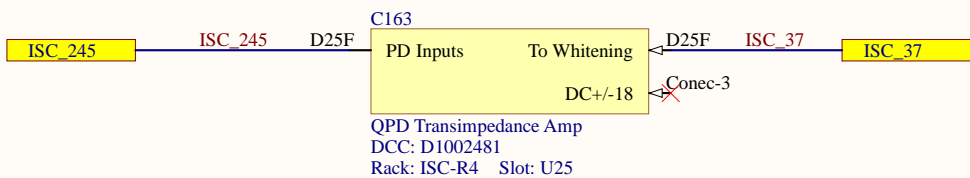
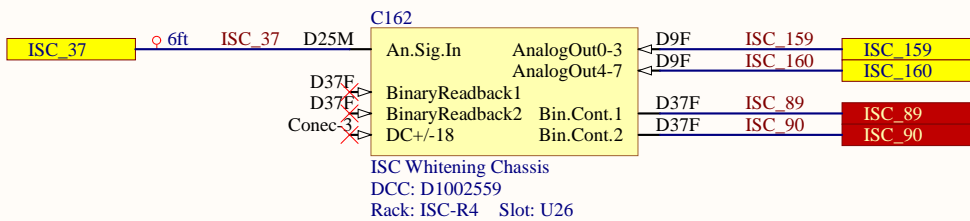
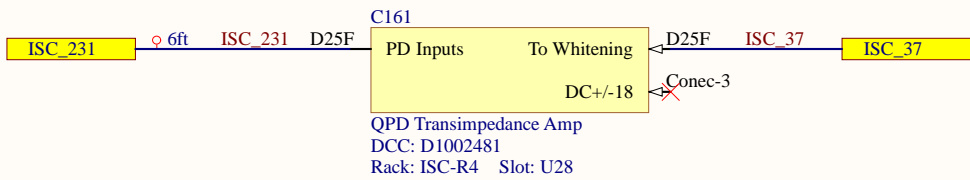
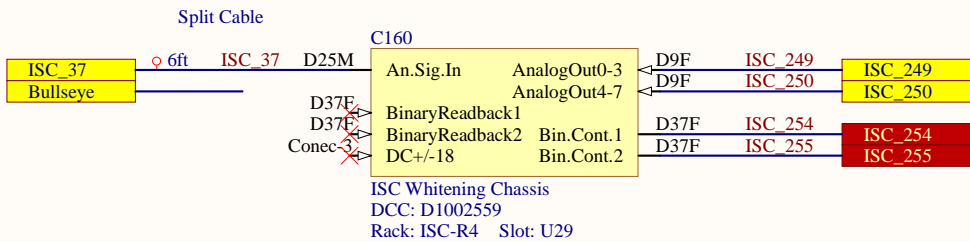
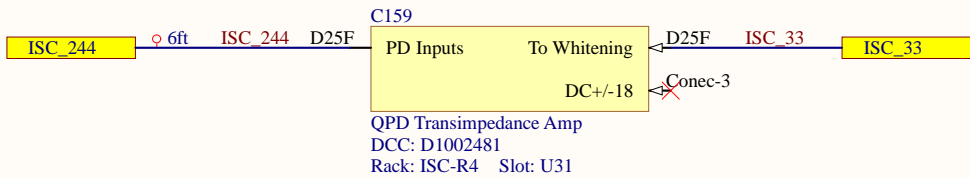
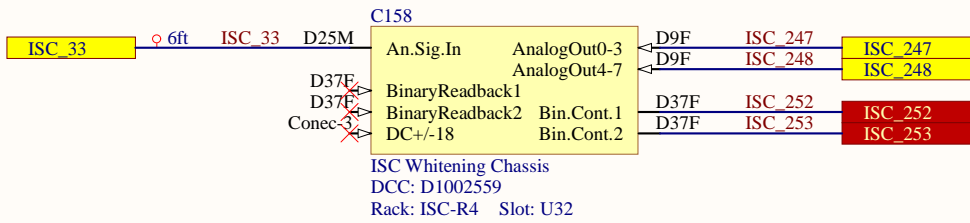
To ISCT1 and HAM1



Both cable have no labels
Both go to R2_U27

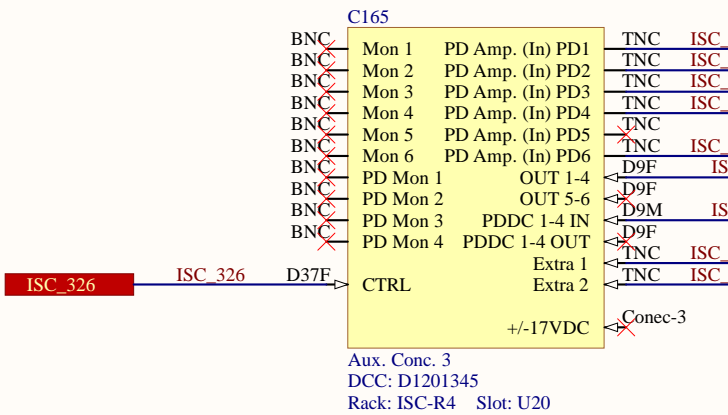
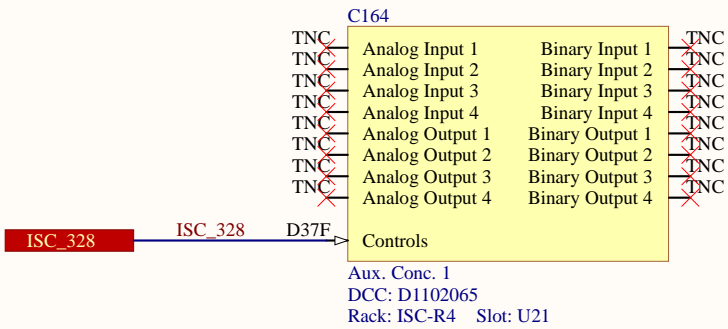
Title			ISC System Wiring Diagram		
Size	Number	Revision			
B	D1900511	v1			
Date:	1/13/2021	Sheet	16	of	TBD
File:	C:\Users\...\ISC_R4_SH1.SchDoc	Drawn By:	Filiberto Clara		

ISC-R4 Rack

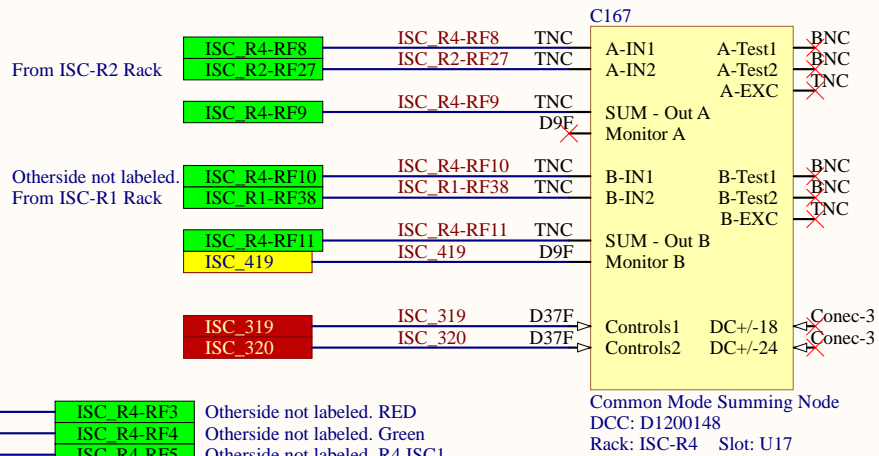
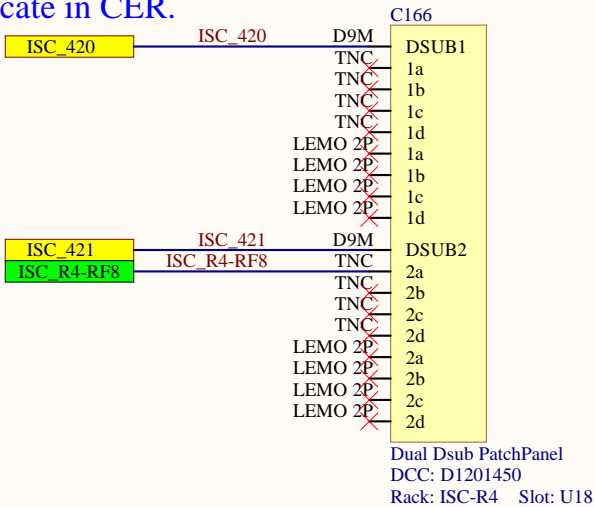


Do we need Sat Amp Included
U23
ISC_194 Coild Drive in CH1-4
ISC_195 Coild Drive in CH5-8
ISC_125 PD Out CH1-4
ISC_126 PD Out CH1-4

Cable in the back.
ISC_228
ISC_229

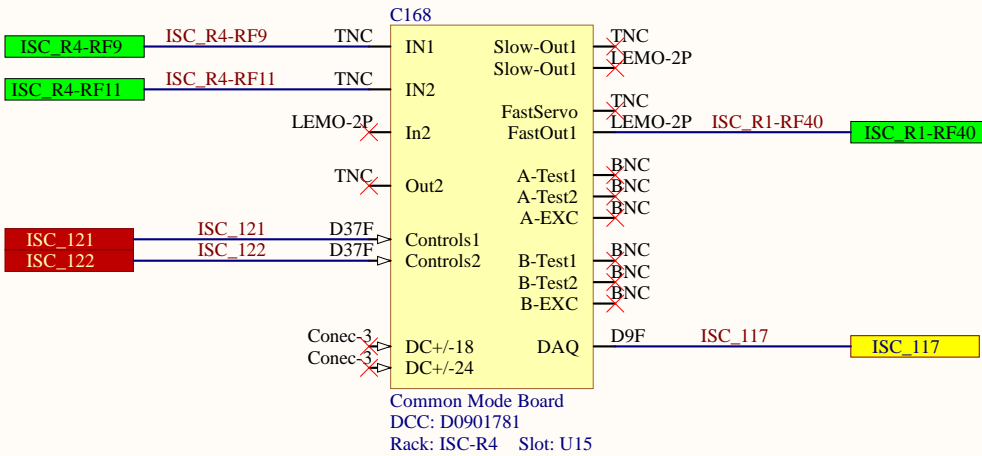


Need to locate in CER.



Otherside not labeled. RED
Otherside not labeled. Green
Otherside not labeled. R4 ISC1
Otherside not labeled. R4 ISC2
Otherside not labeled. Old label H1_ALS_PSL_PD1

IO_AB_PD3_DC
IO_AB_PD2_DC

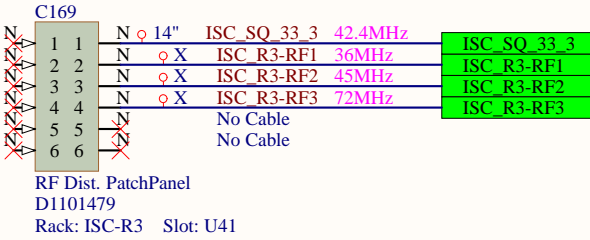


Title		
ISC System Wiring Diagram		
Size	Number	Revision
B	D1900511	v1
Date:	1/13/2021	Sheet 17 of TBD
File:	C:\Users\...\ISC_R4_SH2.SchDoc	Drawn By: Filiberto Clara

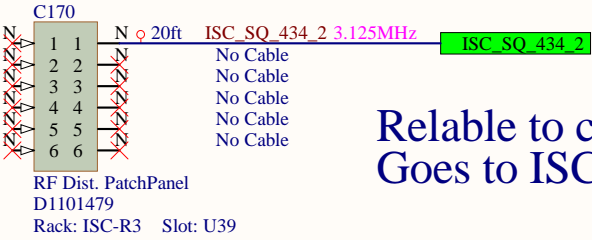
ISC-R3 Rack

Need to Relabel ISC_R3-RF4

RF Patch Panel 15

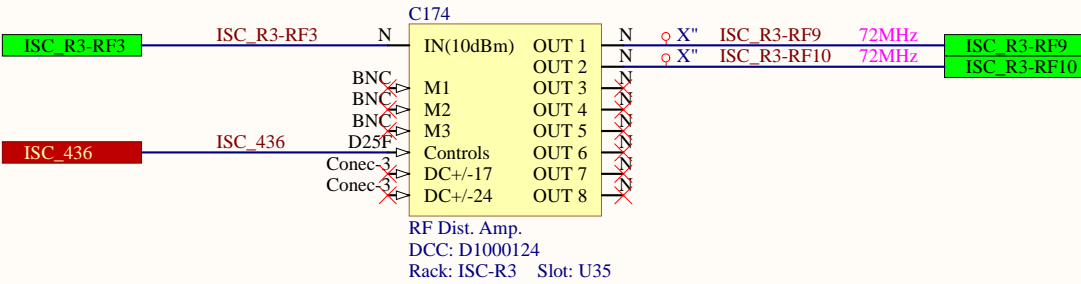
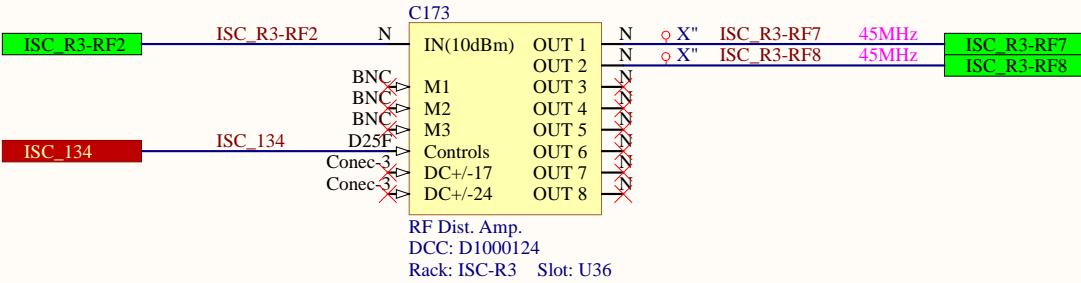
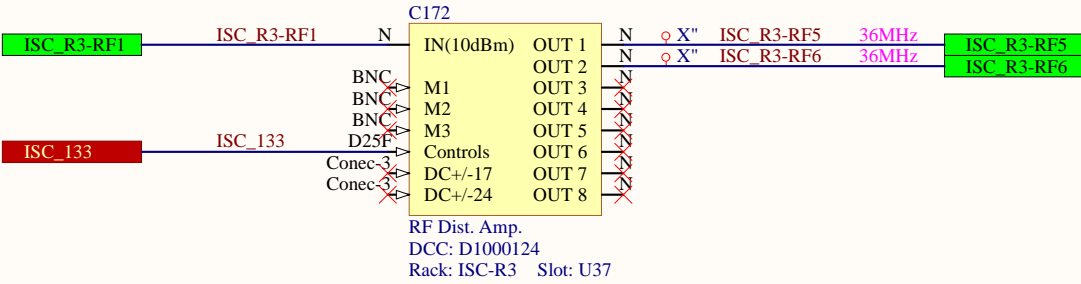
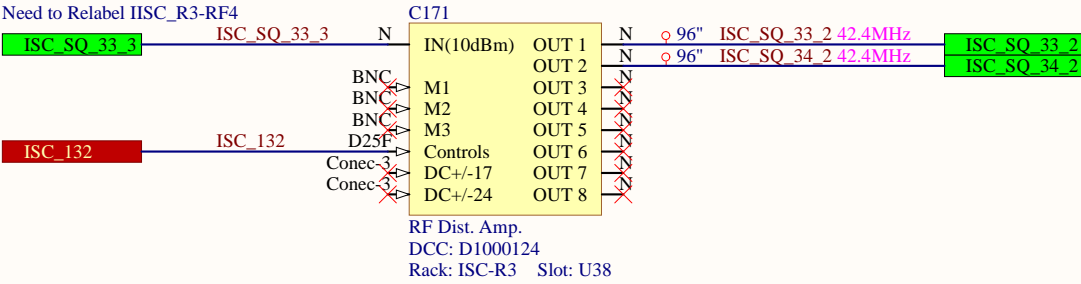


RF Patch Panel 16



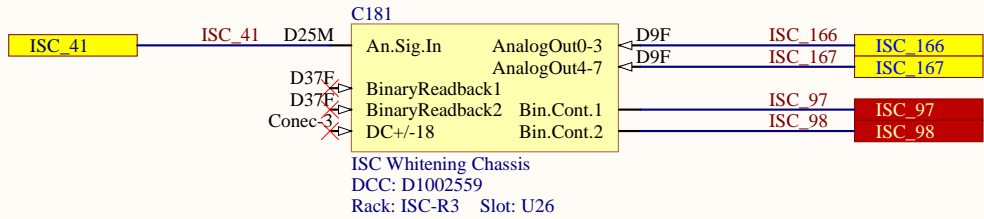
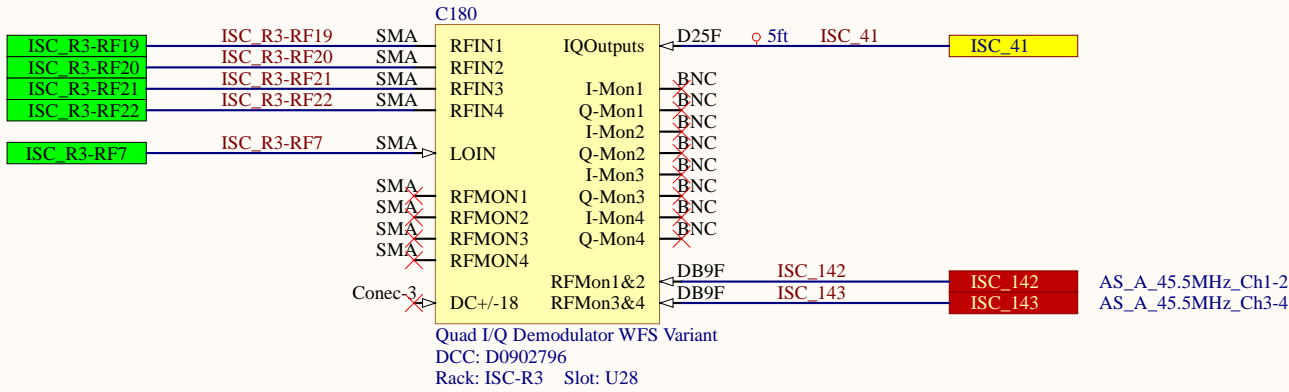
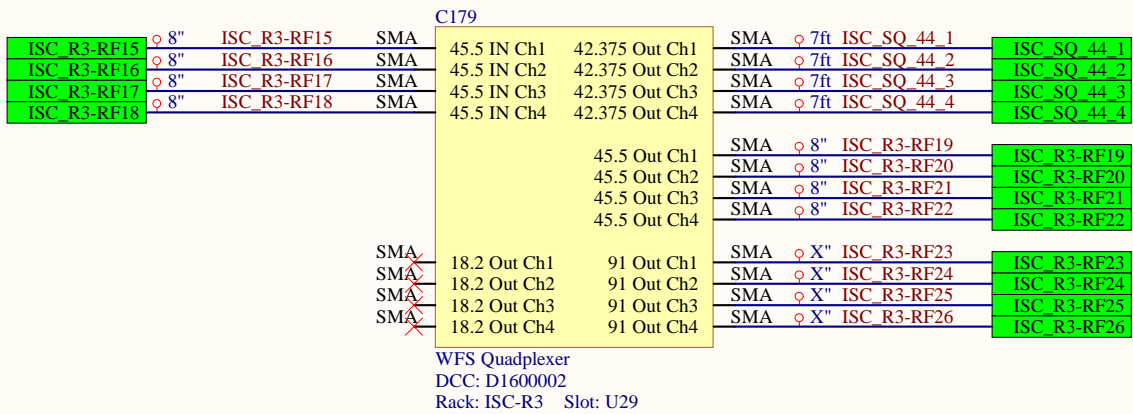
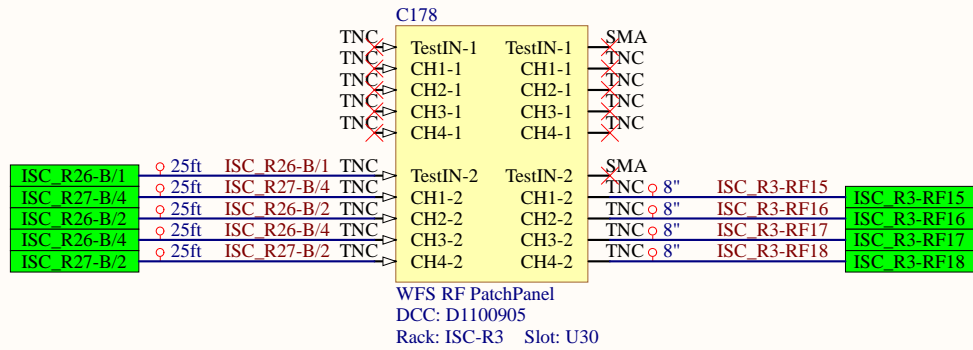
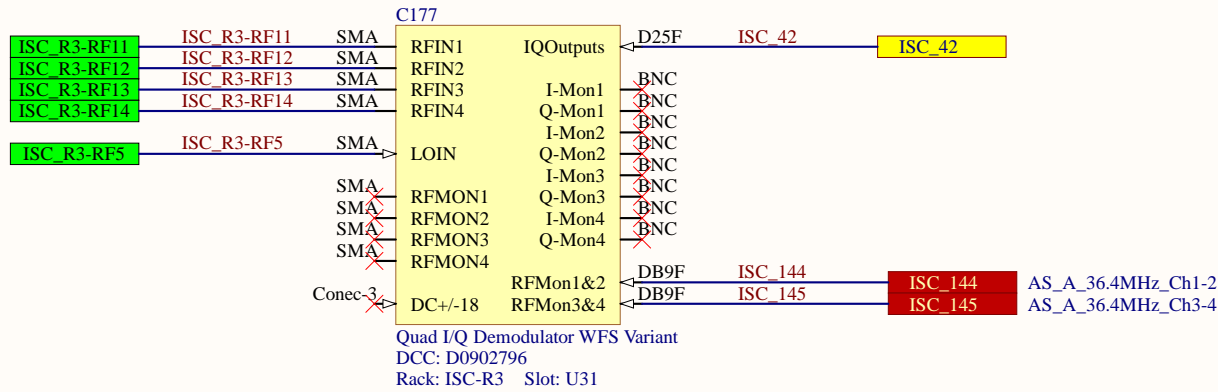
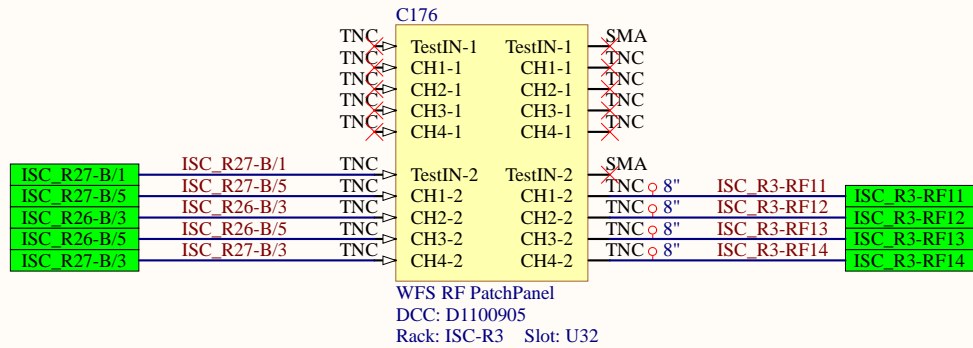
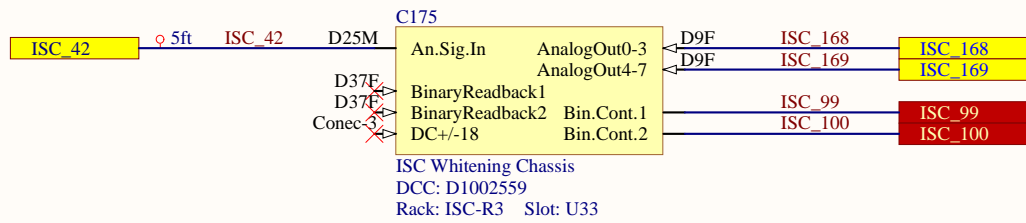
Relable to cable ISC_SQ_216_1
Goes to ISC-R5 Rack

Need to Relabel IISC_R3-RF4



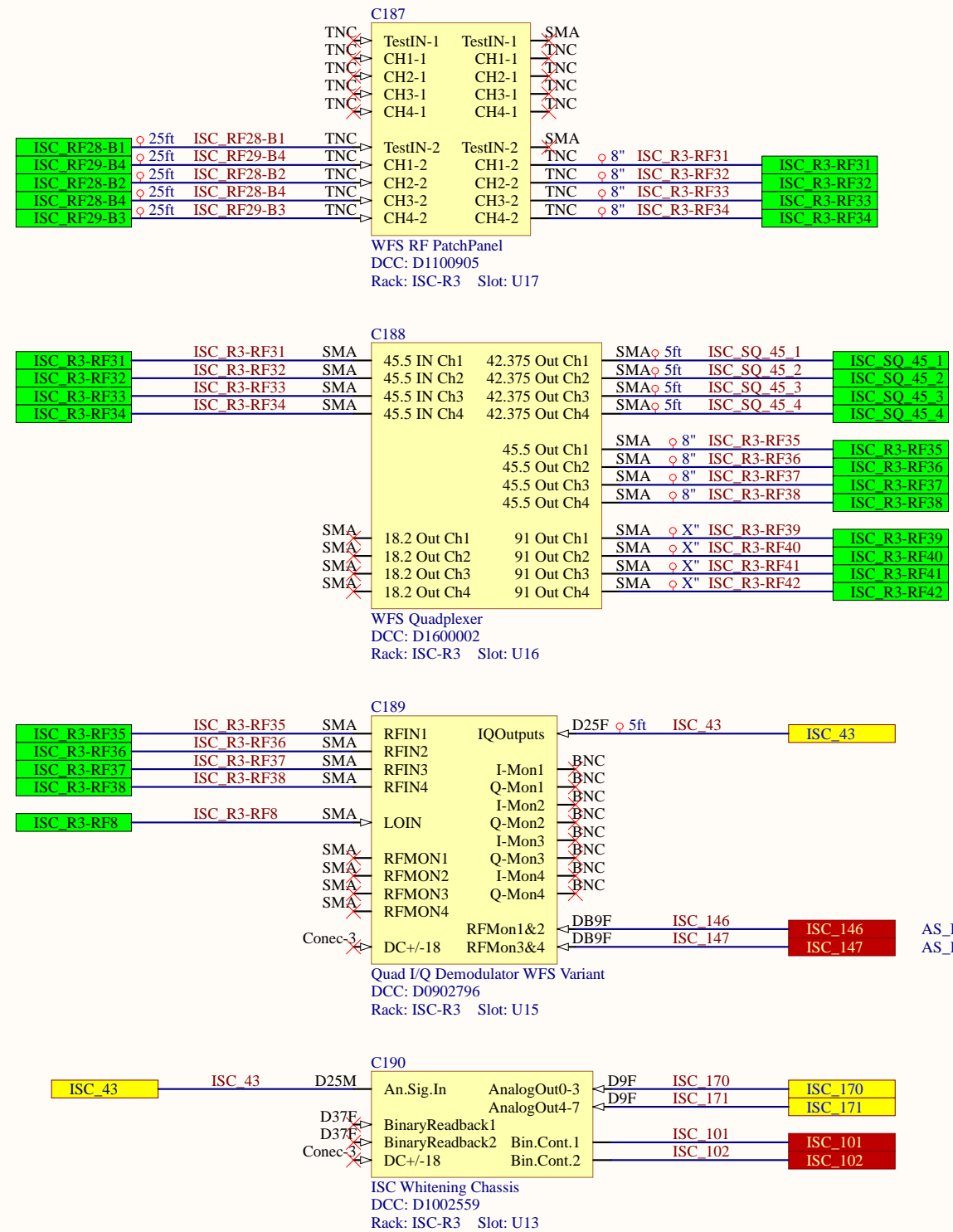
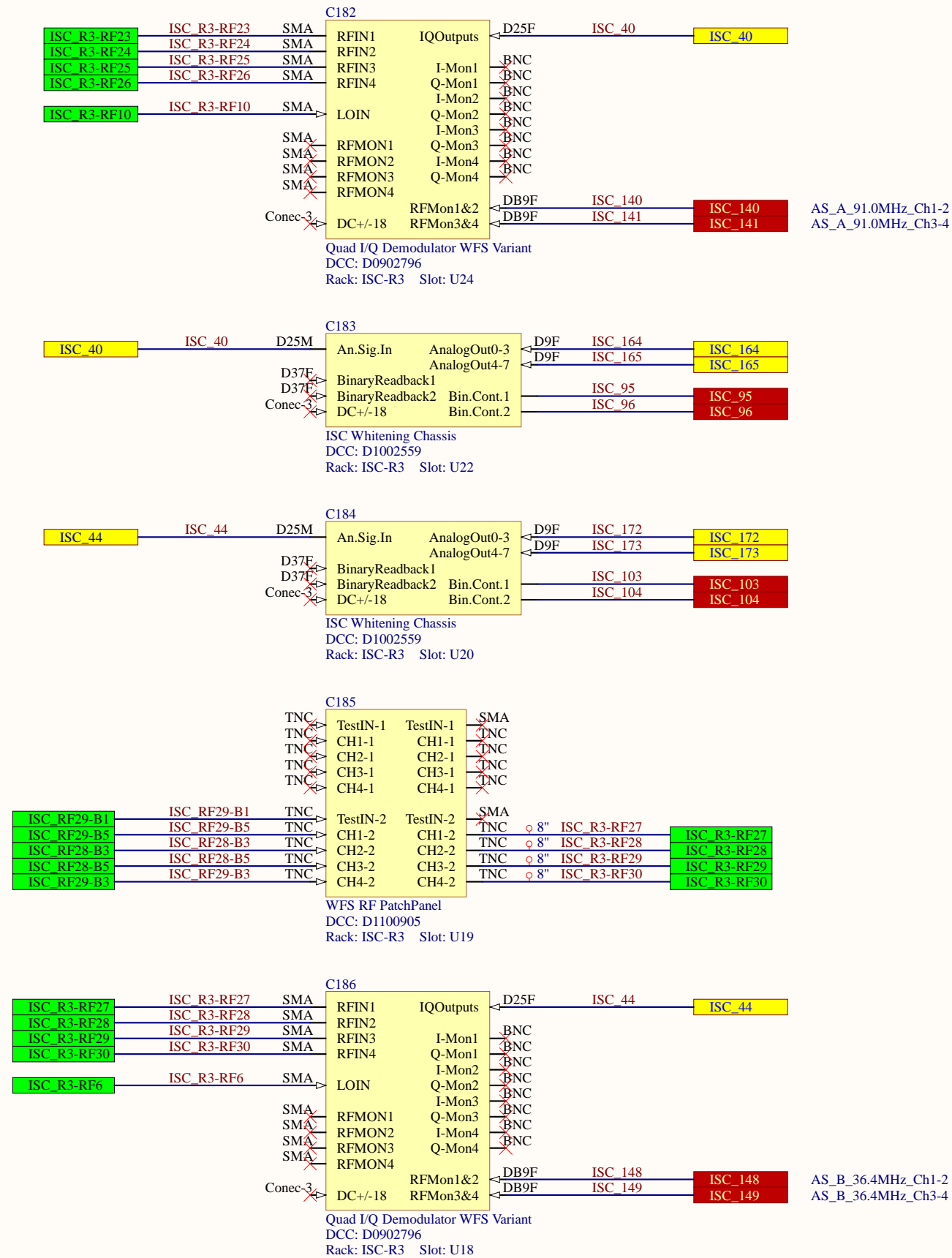
Title			ISC System Wiring Diagram		
Size	Number	Revision			
B	D1900511	v1			
Date:	1/13/2021	Sheet	18	of	TBD
File:	C:\Users\...\ISC_R3_SH1.SchDoc	Drawn By:	Filiberto Clara		

ISC-R3 Rack



Title		
ISC System Wiring Diagram		
Size	Number	Revision
B	D1900511	v1
Date:	1/13/2021	Sheet 19 of TBD
File:	C:\Users\...\ISC_R3_SH2.SchDoc	Drawn By: Filiberto Clara

ISC-R3 Rack

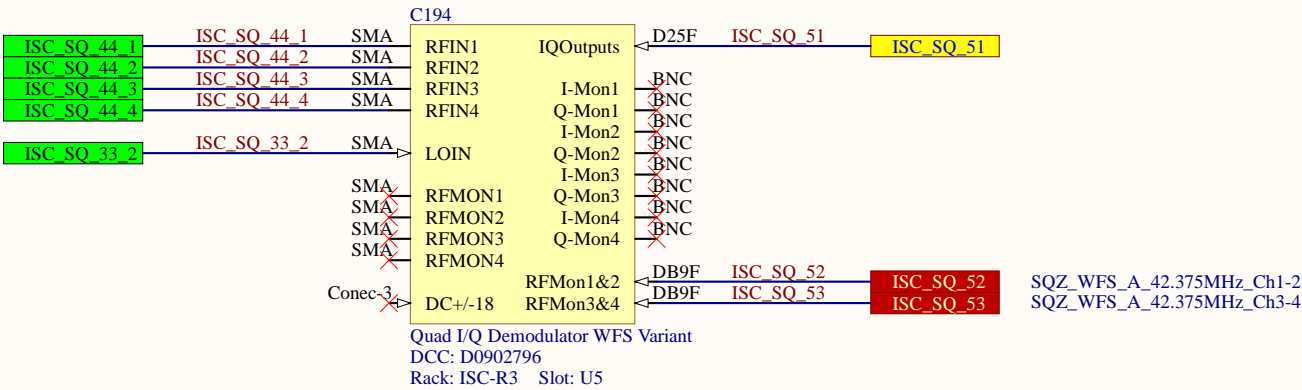
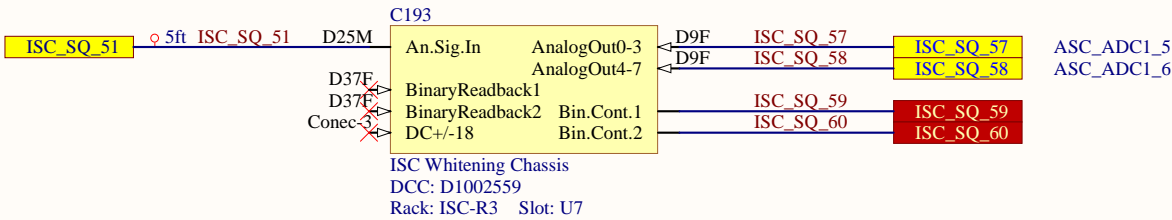
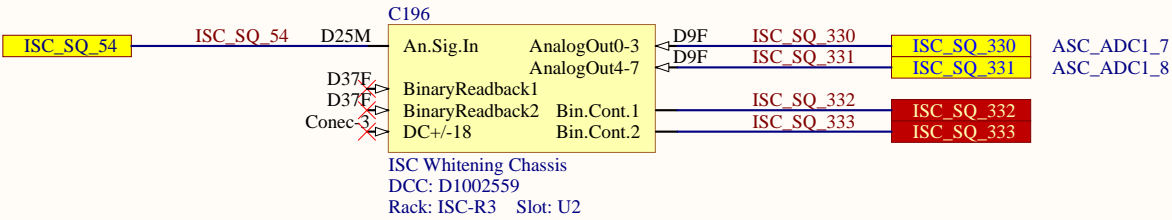
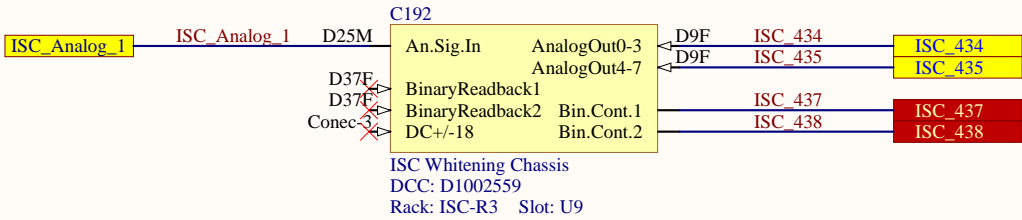
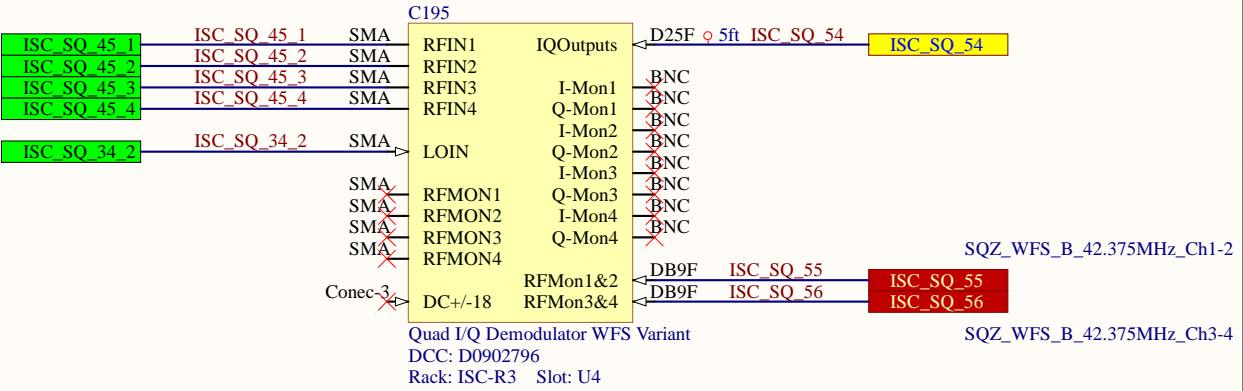
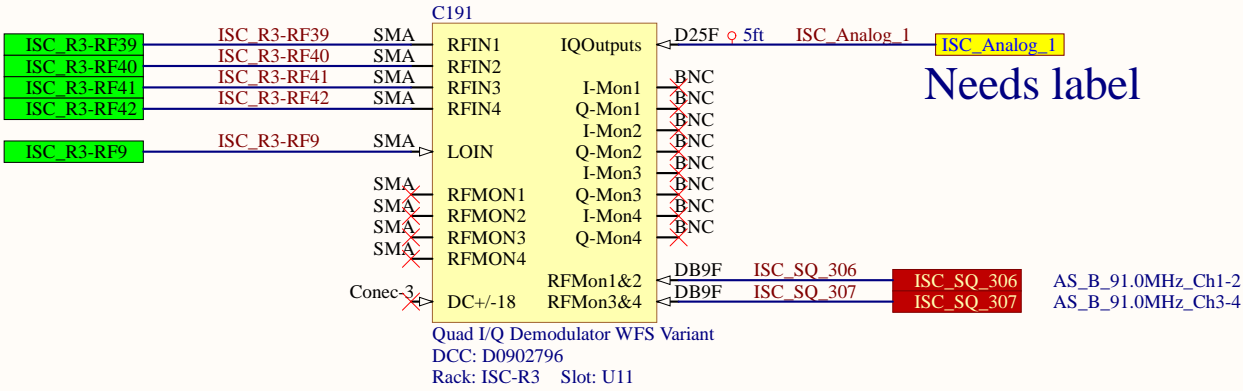


Title			ISC System Wiring Diagram		
Size B	Number D1900511	Revision v1			
Date: File:	1/13/2021 C:\Users\...\ISC_R3_SH3.SchDoc	Sheet Drawn By:	20 Filiberto Clara	of TBD	

ISC-R3 Rack

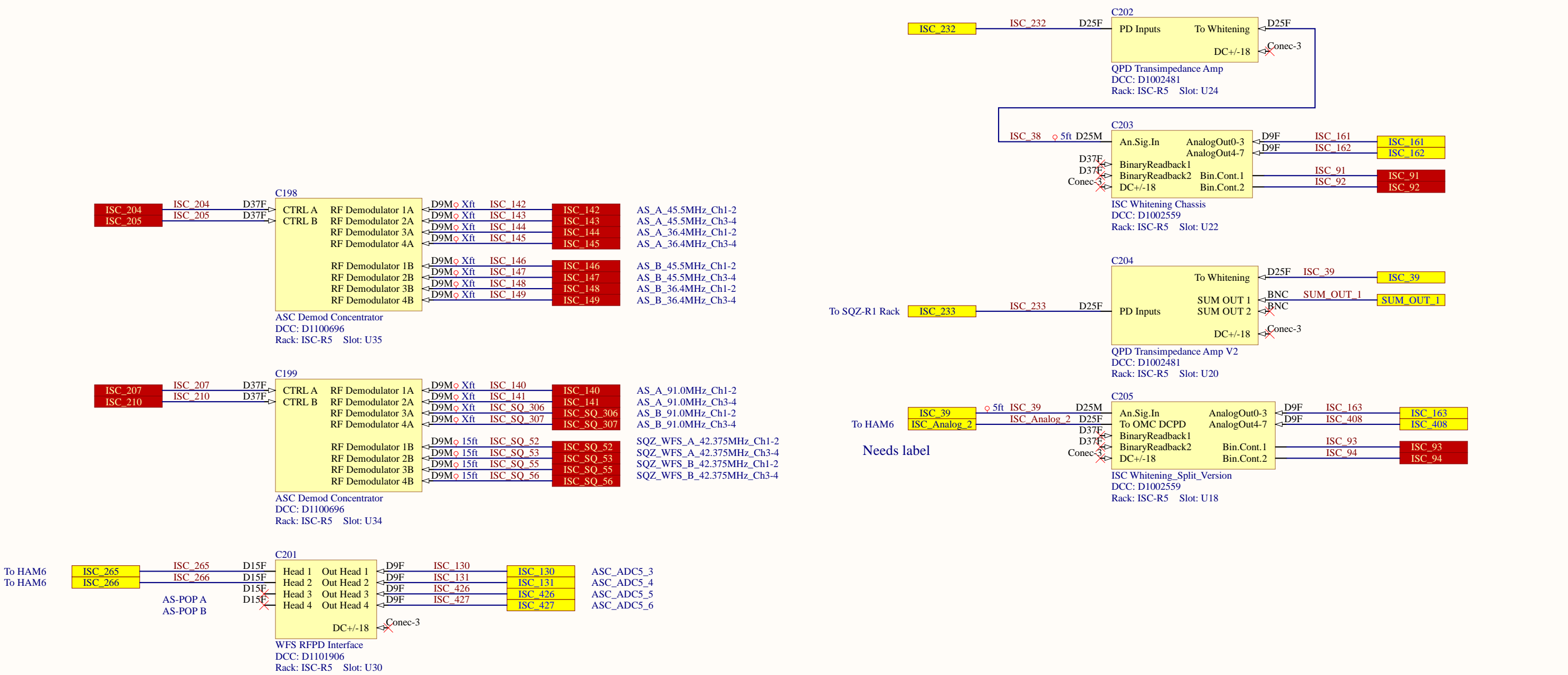
Needs labels

Needs label



Title		
ISC System Wiring Diagram		
Size	Number	Revision
B	D1900511	v1
Date:	1/13/2021	Sheet 21 of TBD
File:	C:\Users\...\ISC_R3_SH4.SchDoc	Drawn By: Filiberto Clara

ISC-R5 Rack



Title		
ISC System Wiring Diagram		
Size	Number	Revision
B	D1900511	v1
Date:	1/13/2021	Sheet 22 of TBD
File:	C:\Users\...\ISC_R5_SH1.SchDoc	Drawn By: Filiberto Clara

ISC-R5 Rack

A

B

C

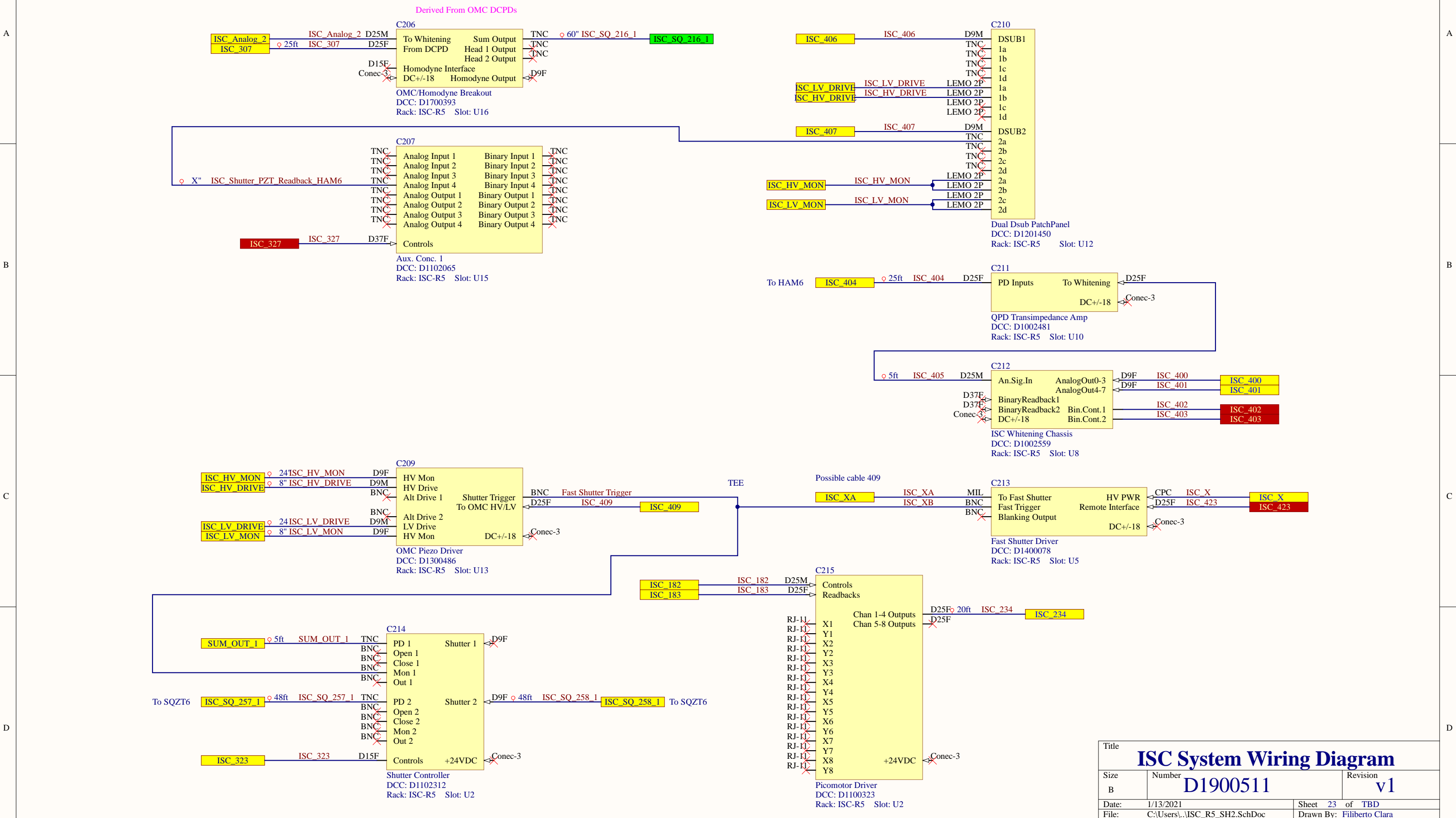
D

A

B

C

D



Title		
ISC System Wiring Diagram		
Size	Number	Revision
B	D1900511	v1
Date:	1/13/2021	Sheet 23 of TBD
File:	C:\Users\...\ISC_R5_SH2.SchDoc	Drawn By: Filiberto Clara

ISCT1 - Right Side

Inside Enclosure

LSC RFPD REFL Air A

ASC WFS REFL Air A

Inside Enclosure

ASC WFS REFL Air B

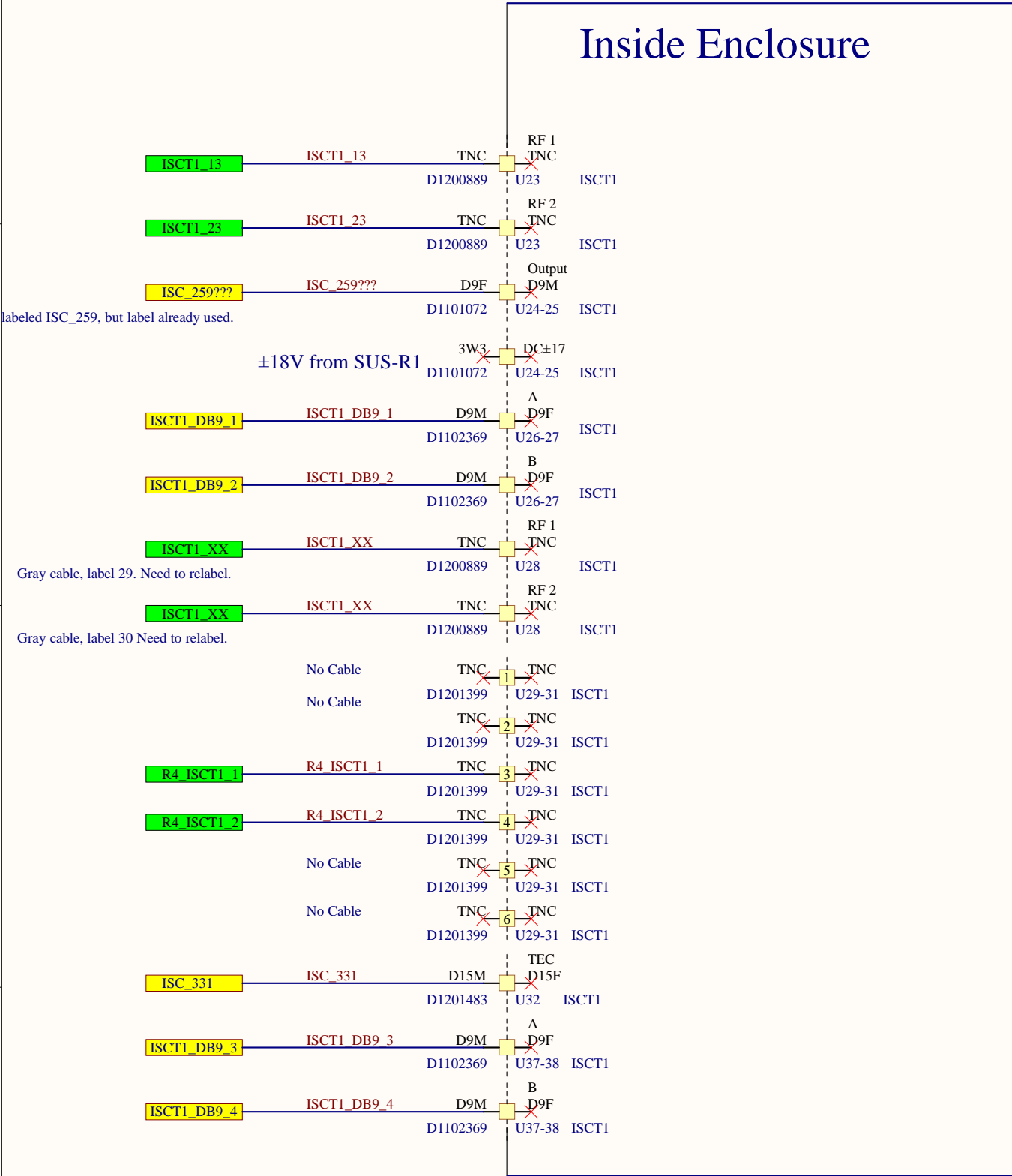
LSC RFPD POP Air A

ISC System Wiring Diagram

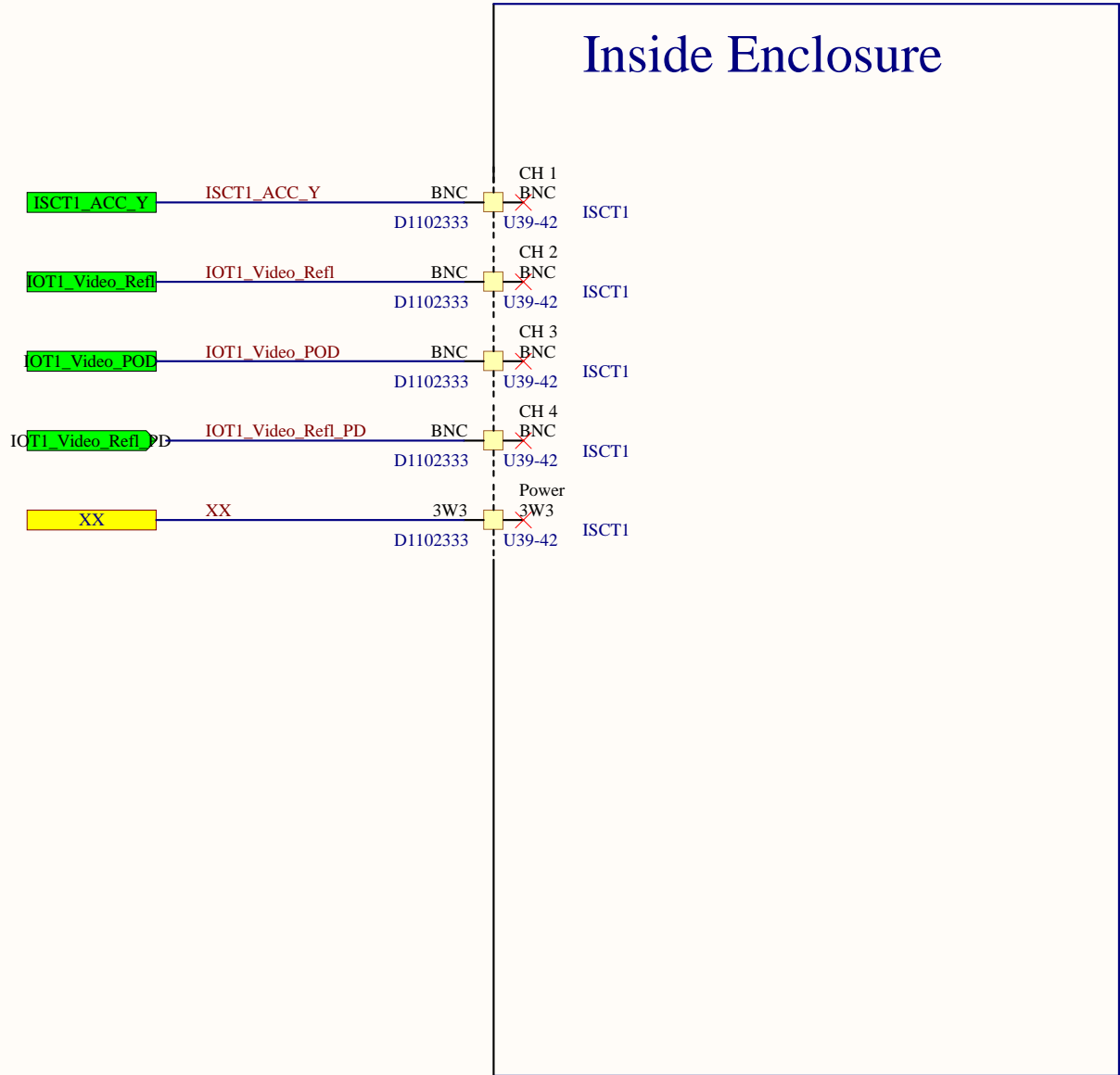
Size B	Number D1900511	Revision v1
Date:	1/13/2021	Sheet 24 of TBD
File:	C:\Users\...\ISCT1_SH1.SchDoc	Drawn By: Filiberto Clara

ISCT1 - Right Side

Inside Enclosure

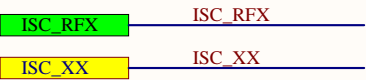
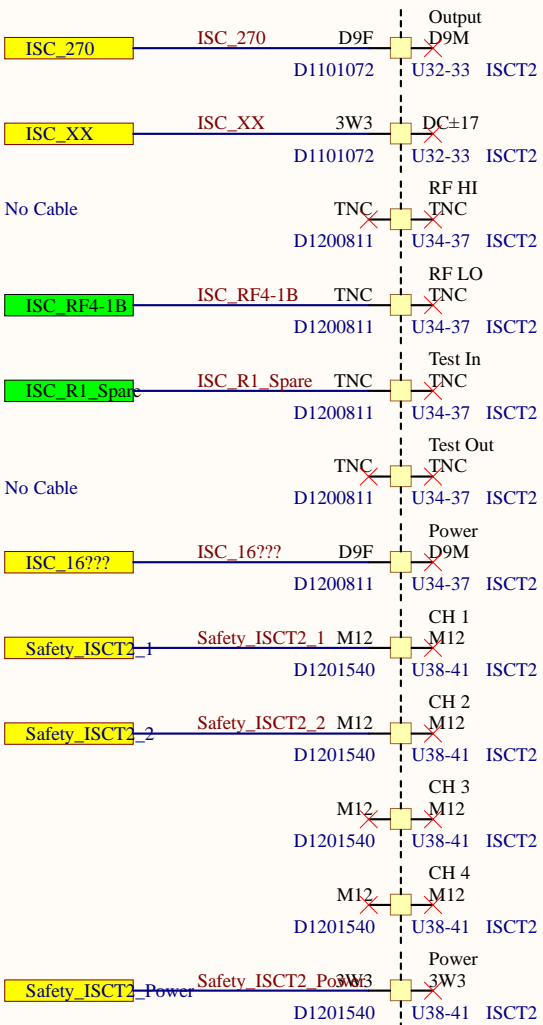
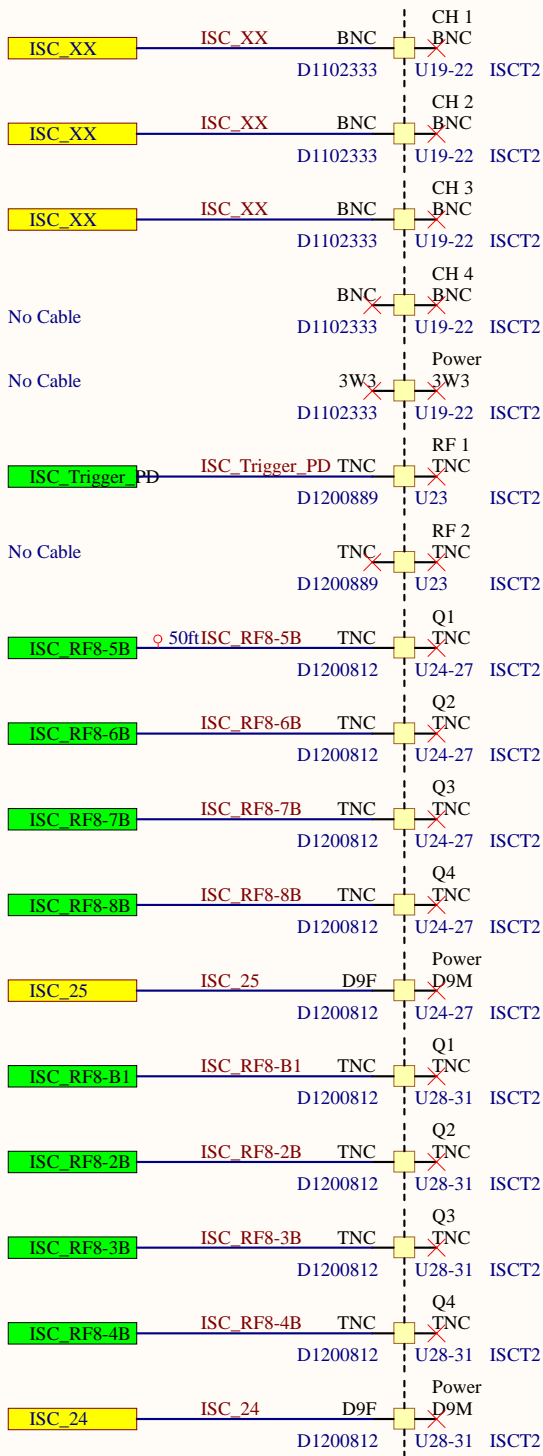


Inside Enclosure

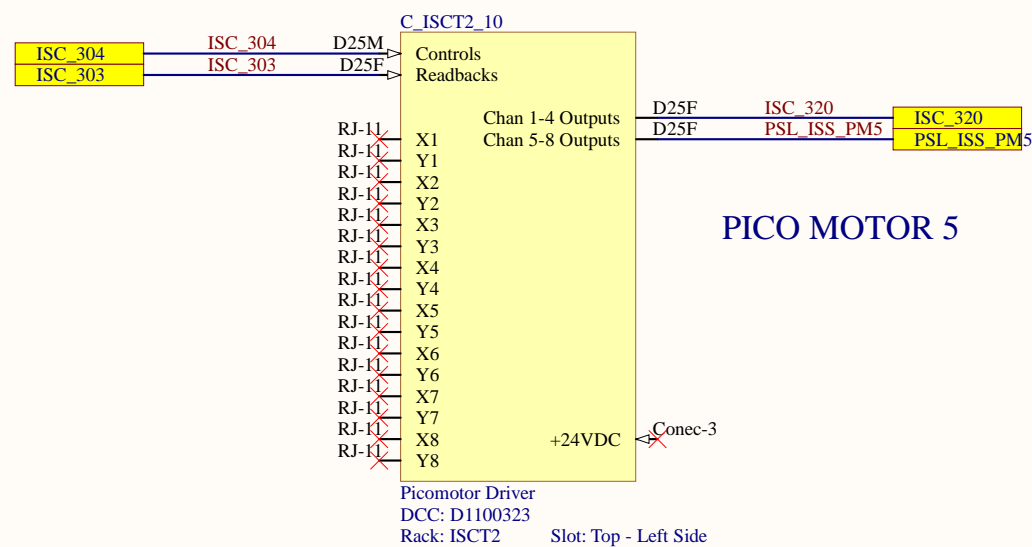
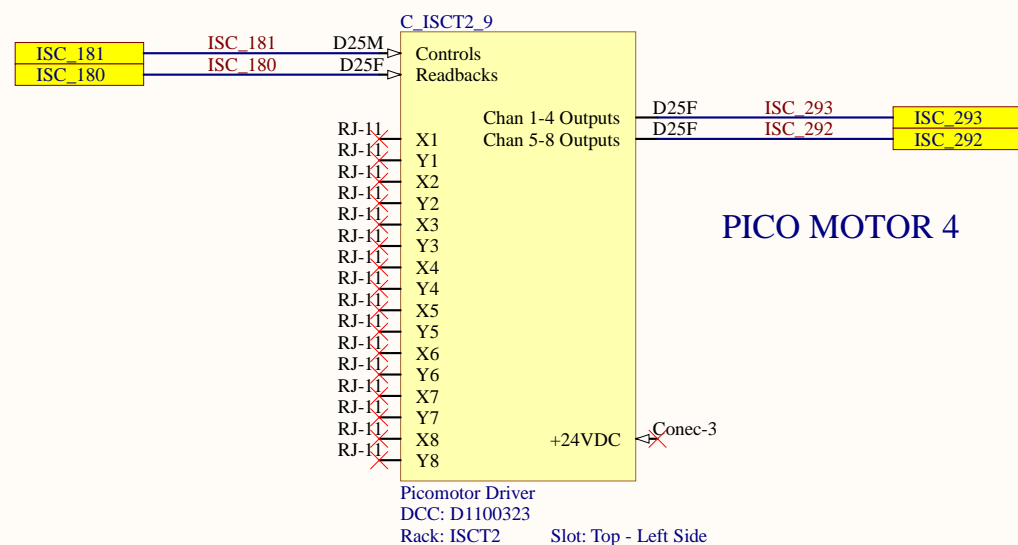
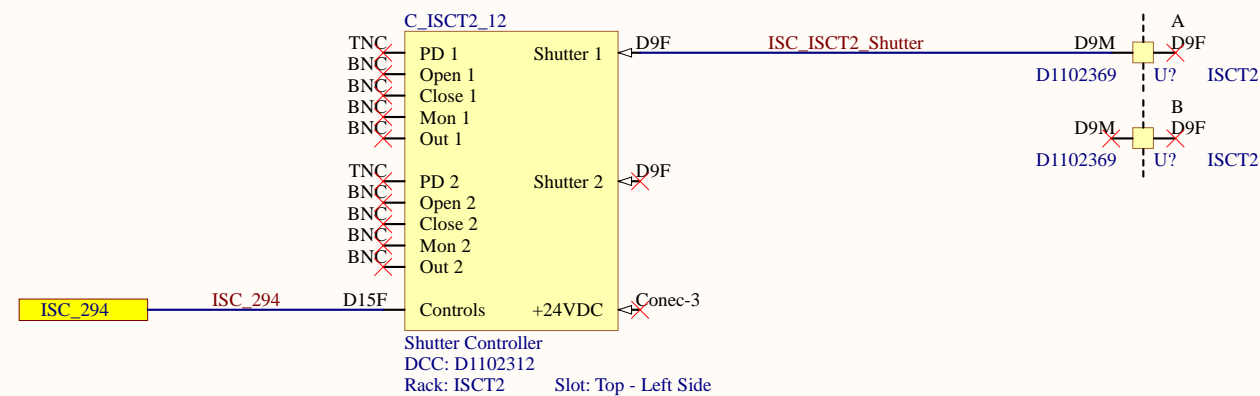
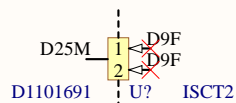
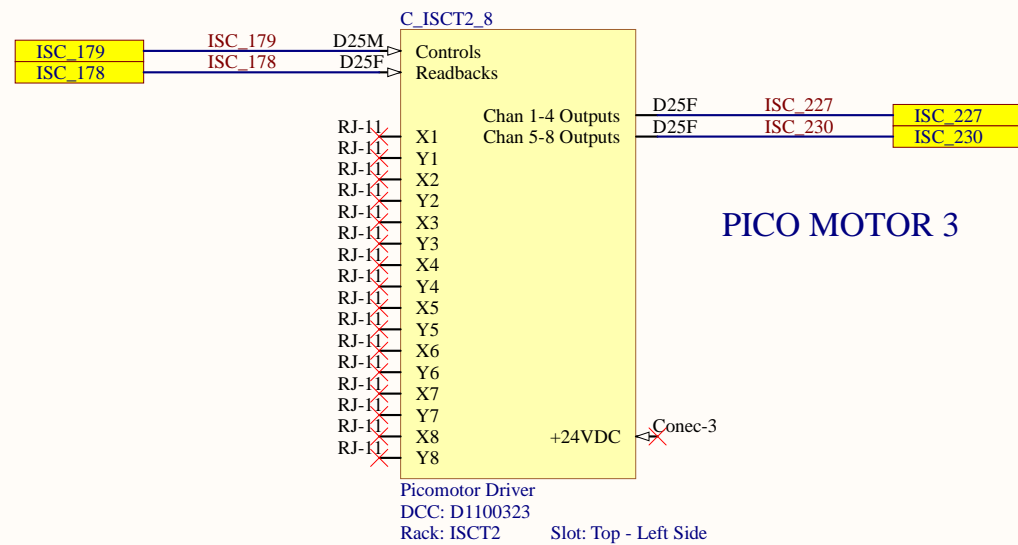


Title			ISC System Wiring Diagram		
Size	Number			Revision	
B	D1900511			v1	
Date:	1/13/2021	Sheet	25	of	TBD
File:	C:\Users\...\ISCT1_SH2.SchDoc	Drawn By:	Filiberto Clara		

ISCT2 - Left Side

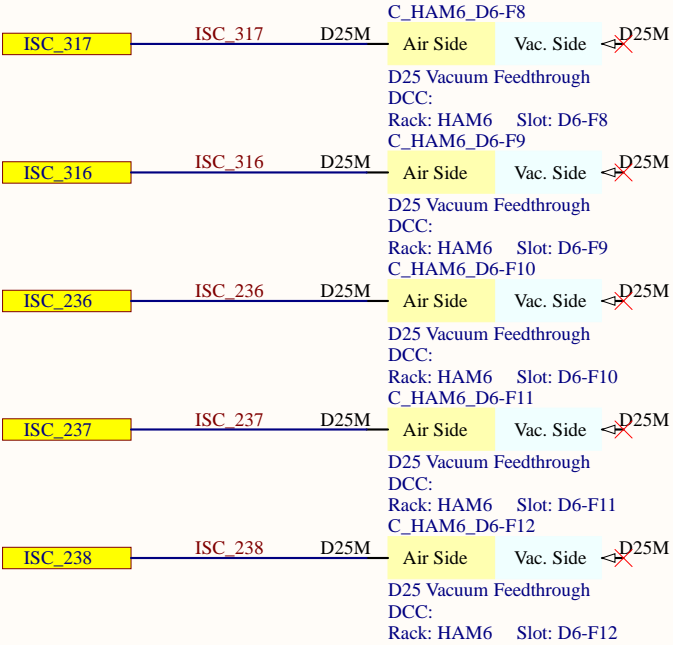
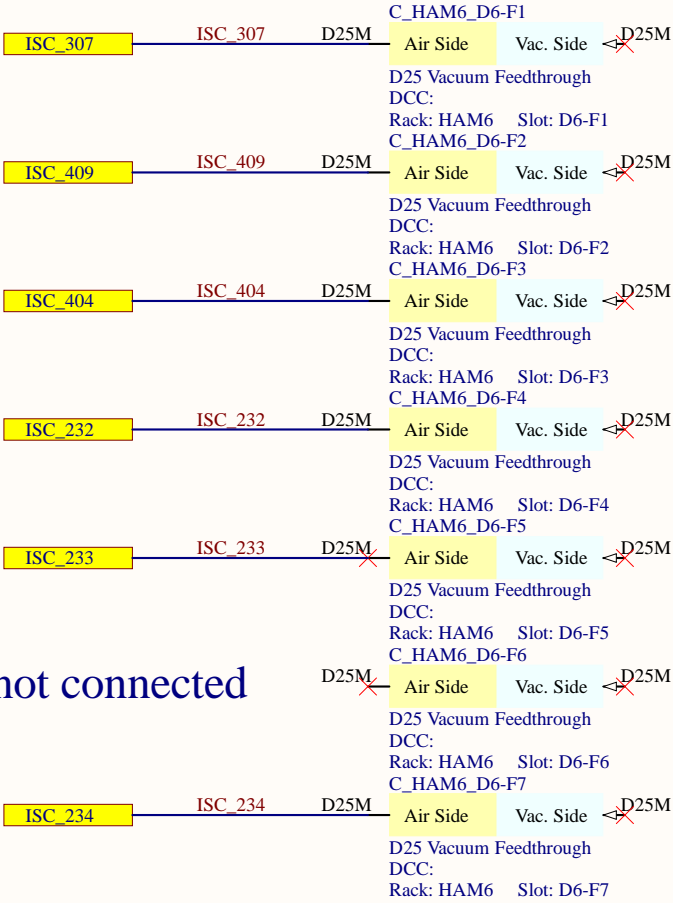


Title		
ISC System Wiring Diagram		
Size	Number	Revision
B	D1900511	v1
Date:	1/13/2021	Sheet 26 of TBD
File:	C:\Users\...\ISCT2_SH1.SchDoc	Drawn By: Filiberto Clara



Recheck cable number ISC_243 or ISC_320

HAM6 Flange Layout



Cable ISC-235 not connected

✗

✗

Cables ISC_265 & ISC_266
on SQZ WFS Page
Recheck flange ????

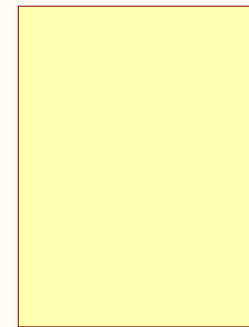
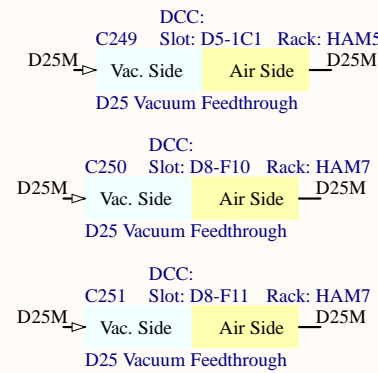
Title			ISC System Wiring Diagram		
Size	Number	Revision			
B	D1900511	v1			
Date:	1/13/2021	Sheet	30	of	TBD
File:	C:\Users\...\HAM6_SH1.SchDoc	Drawn By:	Filiberto Clara		

D1700308 Wiring Diagram - More Cables
HAM7 Flange Layout D1900116 Does Not Match

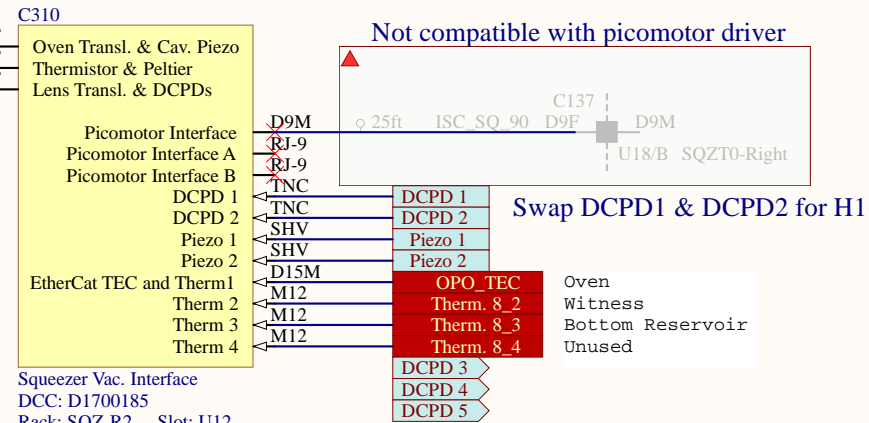
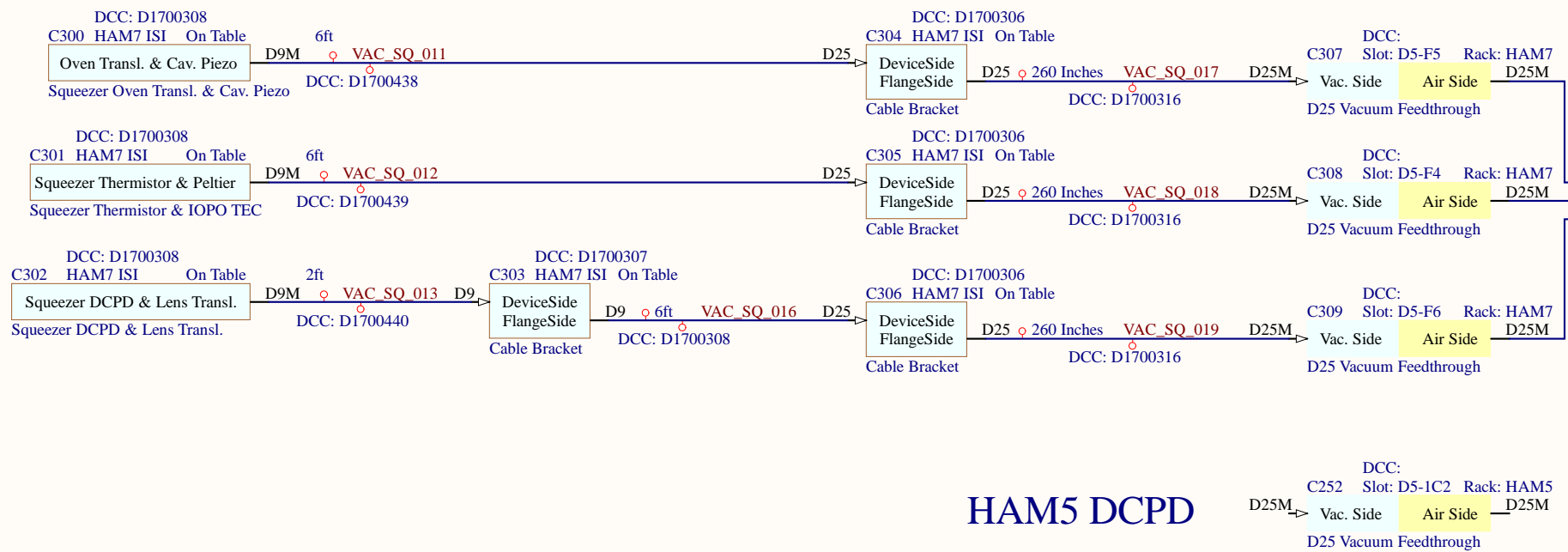
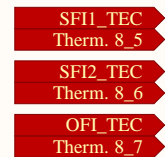
OFI 2

SFI 1

SFI 2

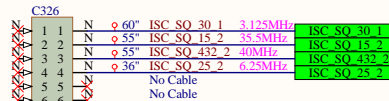


OFI/SFI TEC Interface
D2000503
SQZ-R2 U11

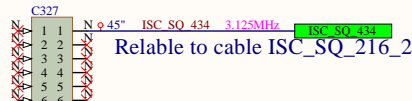


Key

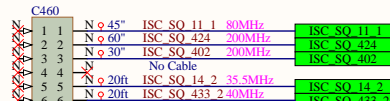
- Ties to Beckhoff
- Ties to RF Distribution
- Dot Identifies Cable Shield Terminating to Backshell
- Pin With Triangle Indicates Pin on Rear or the Like
- Pin With No Triangle Indicates Pin on Front or the Like
- Light Blue Symbols Are In-Vacuum
- Yellow Symbols Are In-Air



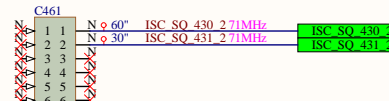
RF Dist. PatchPanel
D1101479
Rack: SQZ-R1 Slot: U41



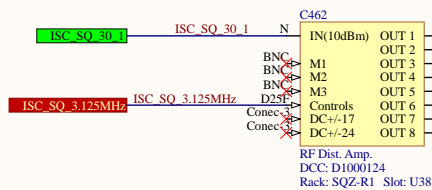
RF Dist. PatchPanel
D1101479
Rack: SQZ-R1 Slot: U39



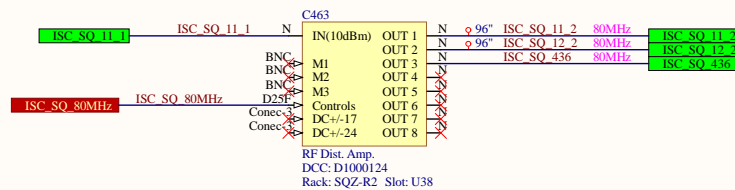
RF Dist. PatchPanel
D1101479
Rack: SQZ-R2 Slot: U41



RF Dist. PatchPanel
D1101479
Rack: SQZ-R2 Slot: U39

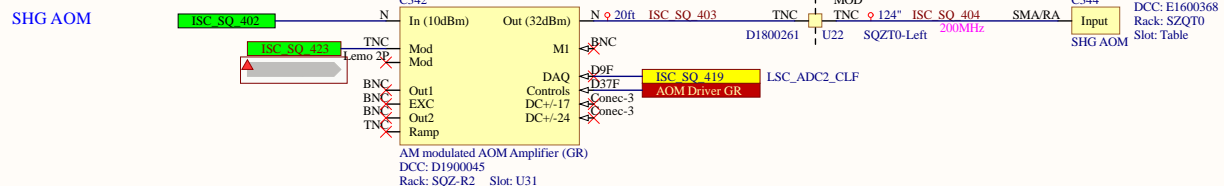
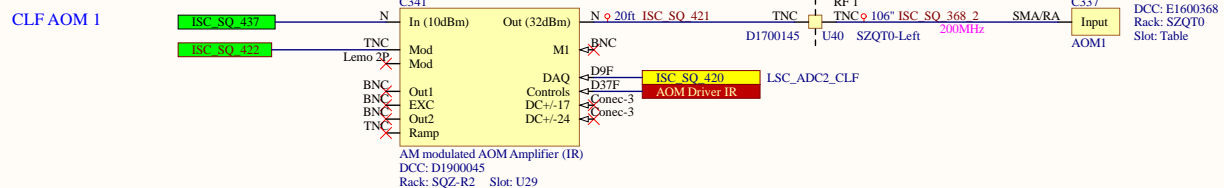
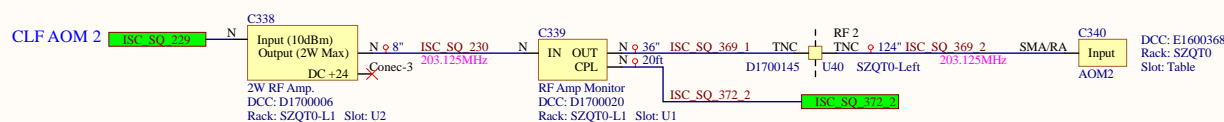
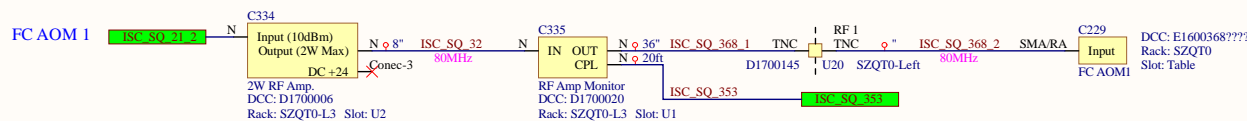
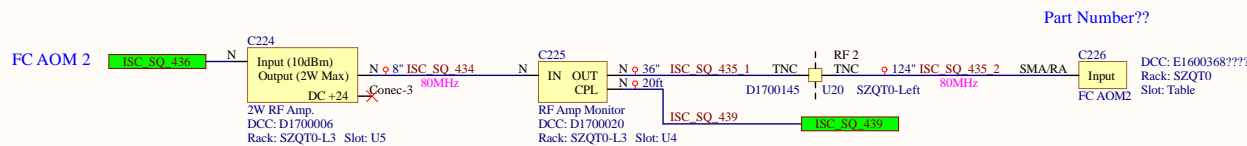
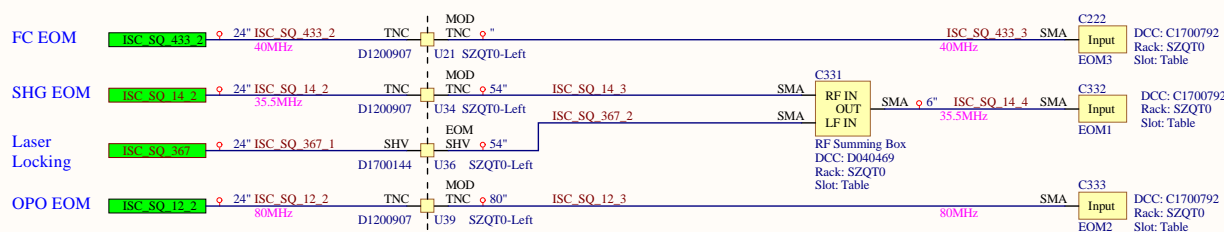


RF Dist. Amp.
DCC: D1000124
Rack: SQZ-R1 Slot: U38



RF Dist. Amp.
DCC: D1000124
Rack: SQZ-R2 Slot: U38

New cables for A_ start at ISC_SQ_430



Key

- Ties to Beckhoff
- Ties to RJ-Controls or WFS Wiring
- 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		
Size C	Number	Revision
Date:	1/13/2021	Sheet of
File:	C:\Users\...\SqueezerRfDistributionSchDoc\Drawn By:	

Verify the delay lines connected correct.

SQZ RFPD CLF

6.25MHz, CLF

40MHz, FC green

1MHz, Beat green

Thorlabs PDA100A2 Used
Tee off DC and cable
to pins 1/6 of DB9

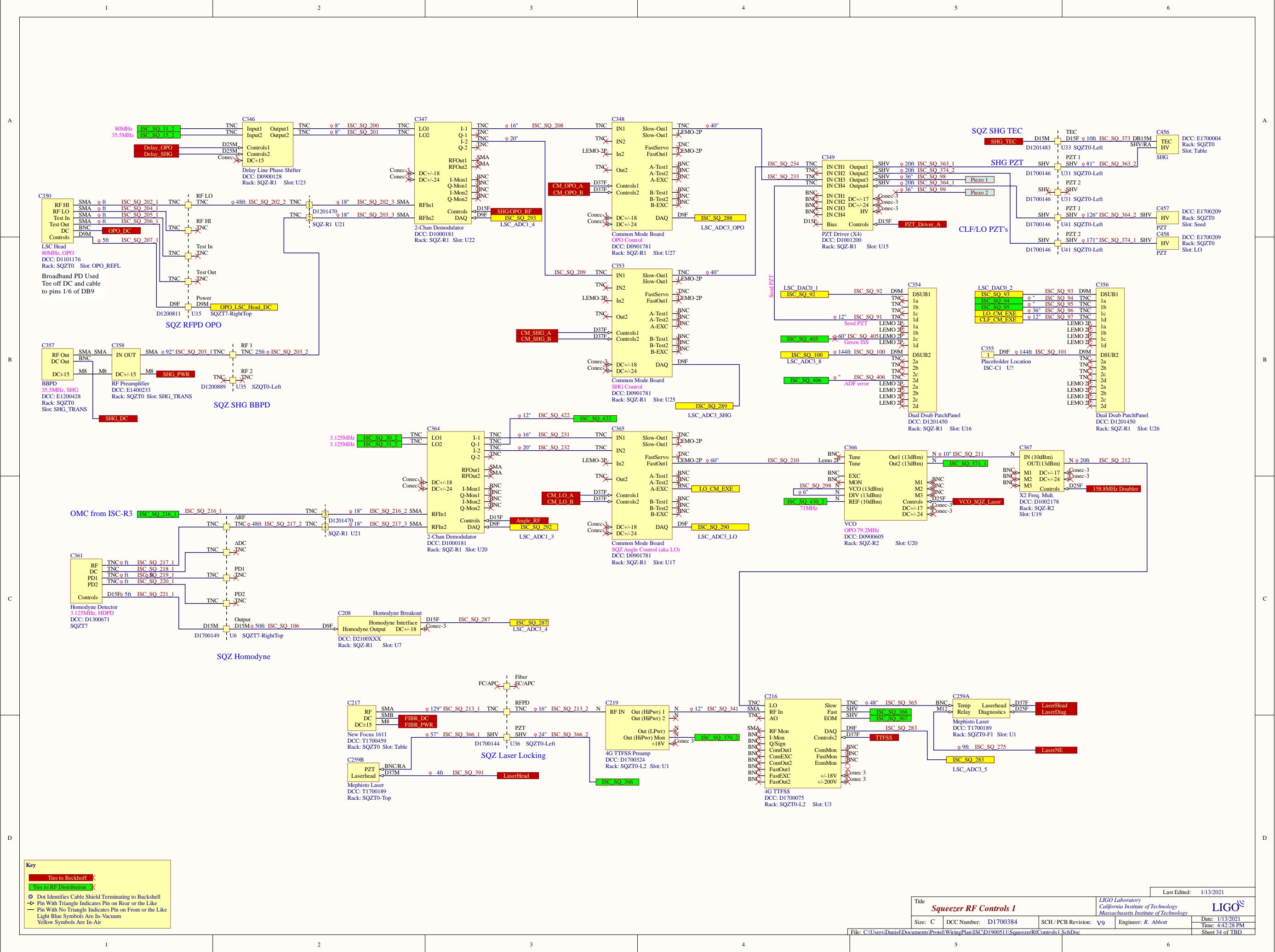
SQZ RFPD FC Green

SQZ RFPD Beat Green

Have notes from D. Sigg that ISC214, ISC226, and ISC215 are used.

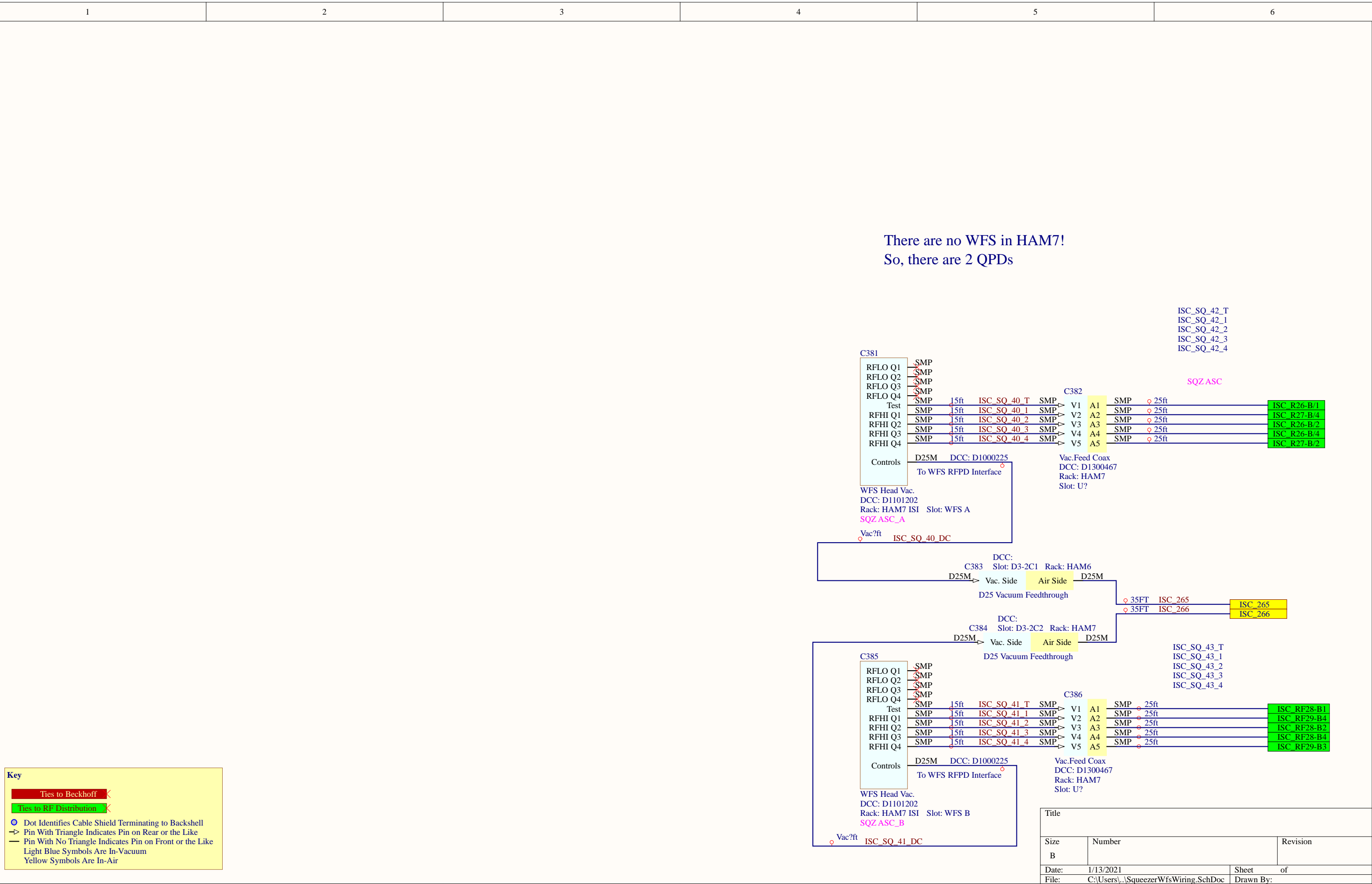
Key

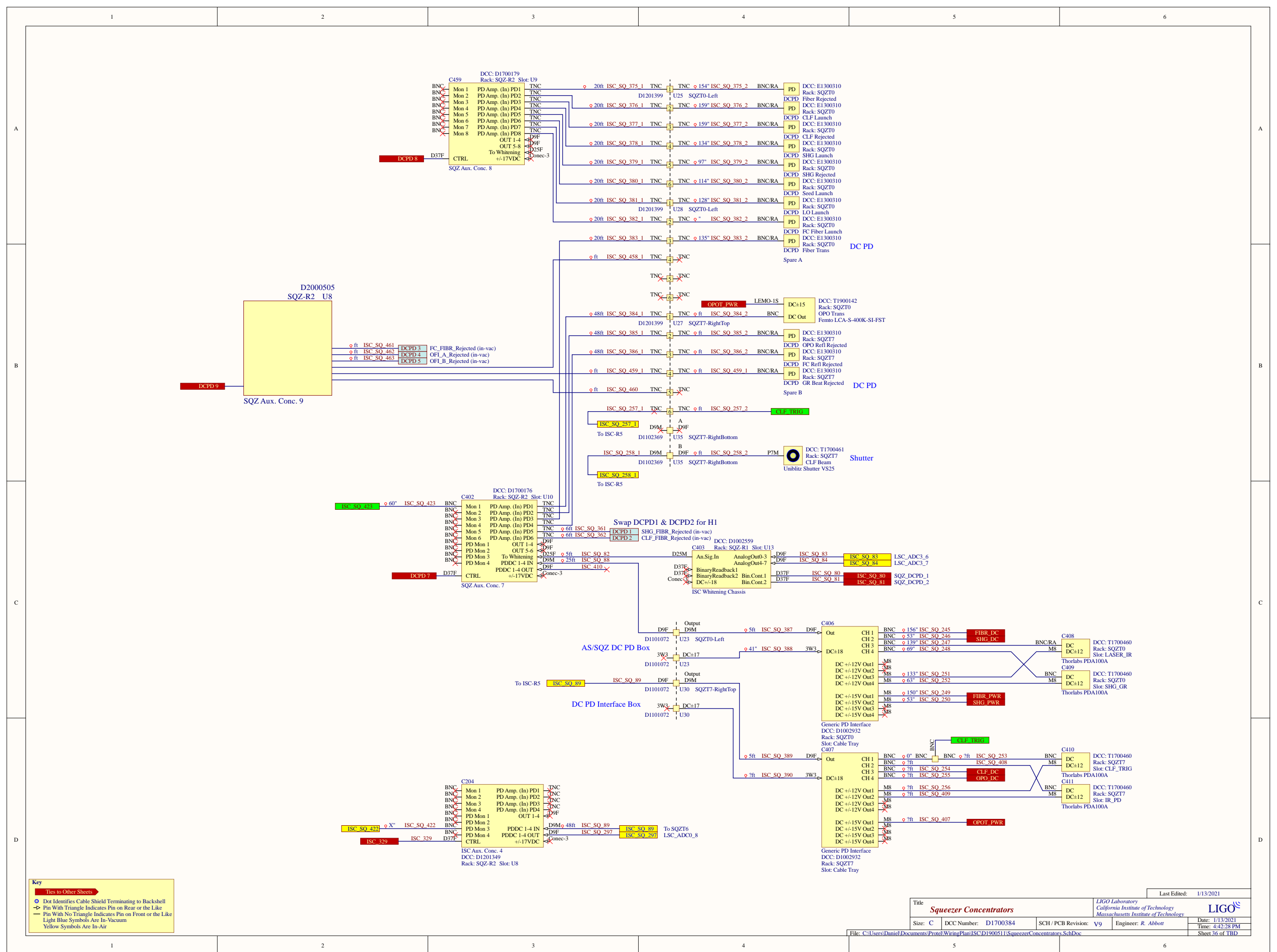
- Ties to Backhoff
- Ties to RF Distribution
- Dot Identifies Cable Shield Terminating to Backshell
- Pin With Triangle Indicates Pin on Rear or the Like
- Pin With No Triangle Indicates Pin on Front or the Like
- Light Blue Symbols Are In-Vacuum
- Yellow Symbols Are In-Air

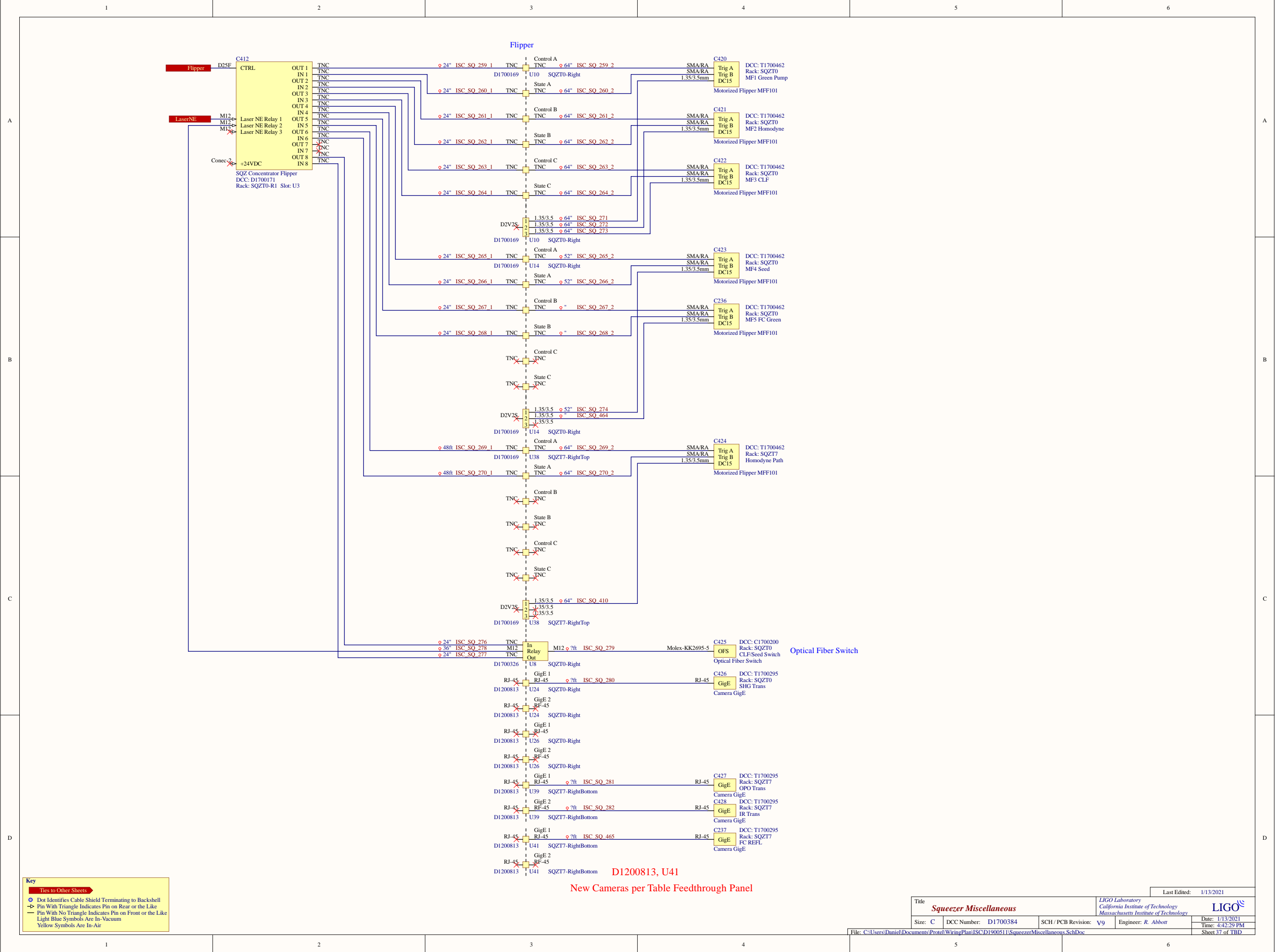


Key

- Ties to Beckhoff
- Ties to RFP 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





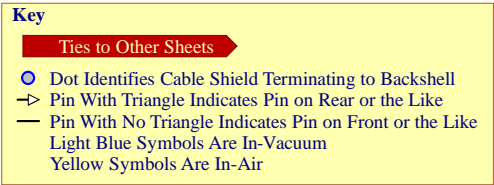


Key

- Ties 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

New Cameras per Table Feedthrough Panel

Title			Squeezer Miscellaneous		LIGO Laboratory California Institute of Technology Massachusetts Institute of Technology		LIGO	
Size: C	DCC Number: D1700384	SCH / PCB Revision: v9		Engineer: R. Abbott		Date: 1/13/2021		
Documents/Protel/WiringPlan/ISC/D1900511/Squeezer/Miscellaneous/SchDoc					Time: 4:42:29 PM			
					Sheet 37 of TBD			



Title		
Size B	Number	Revision
Date:	1/13/2021	Sheet 38 of TBD
File:	C:\Users\...\SqueezerBeckhoff1.SchDoc	Drawn By: