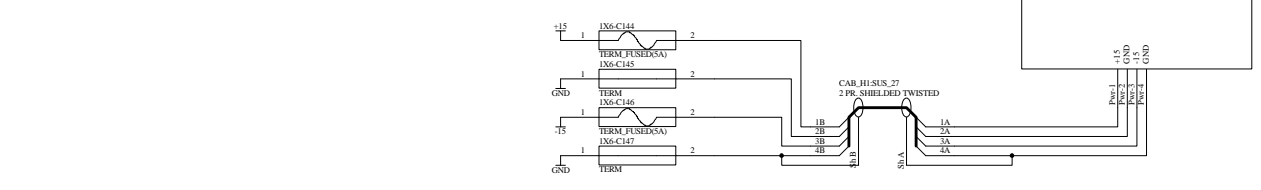
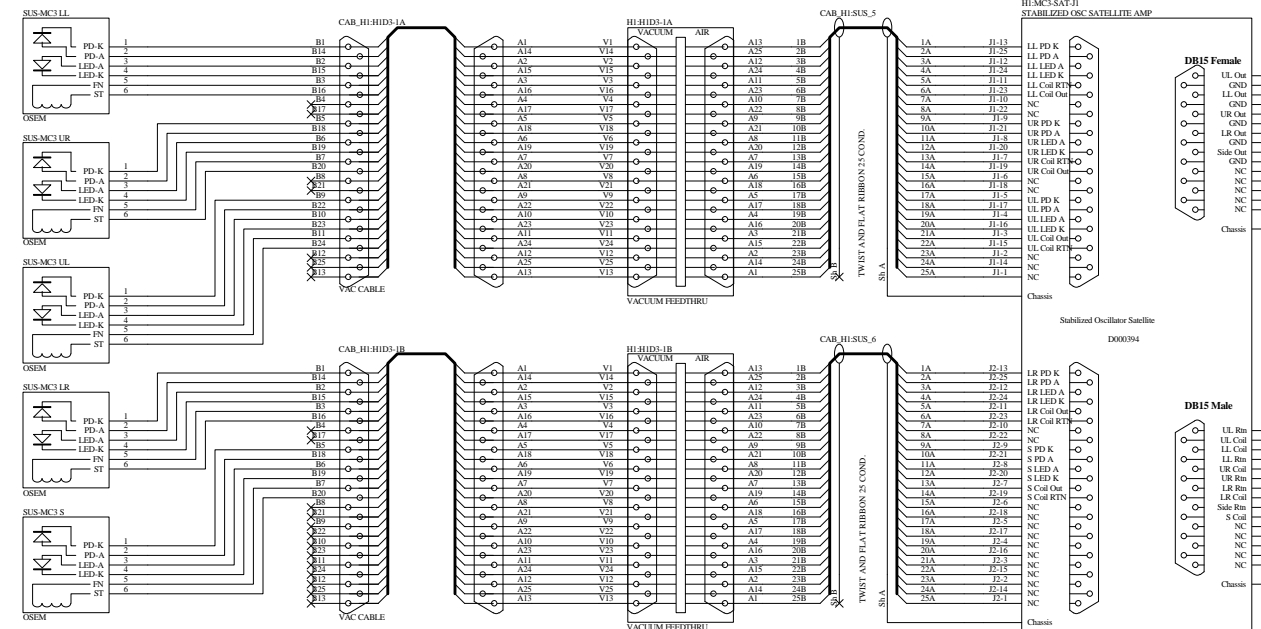
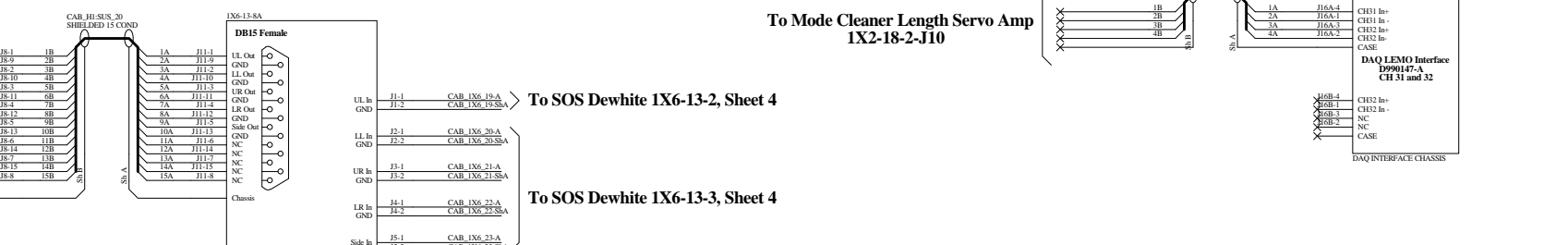
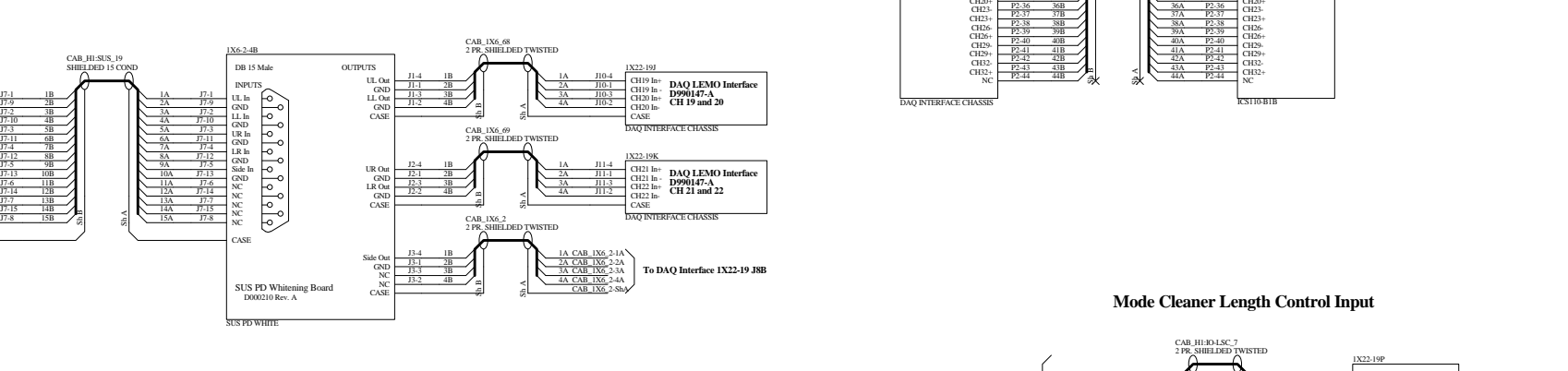
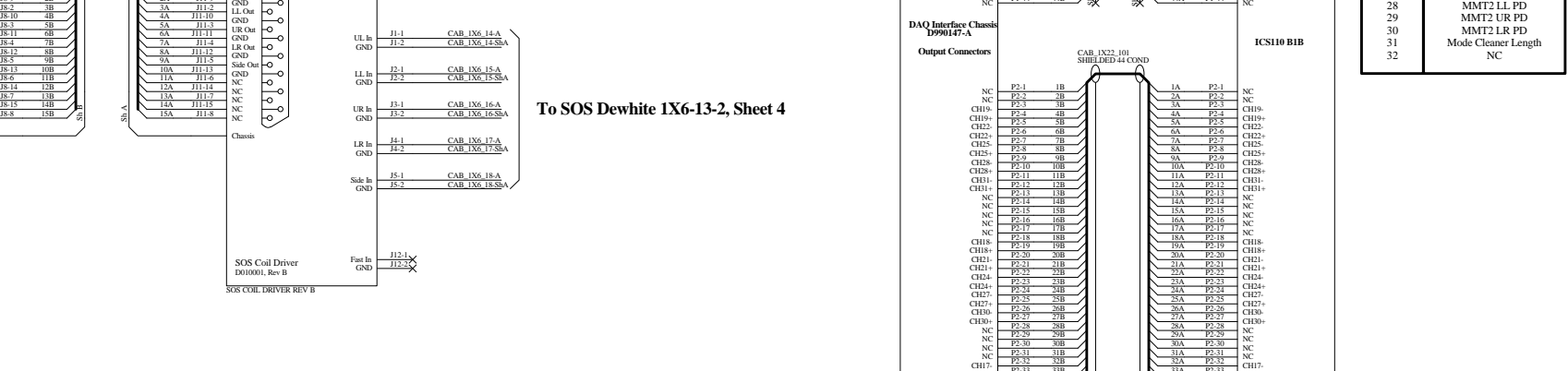
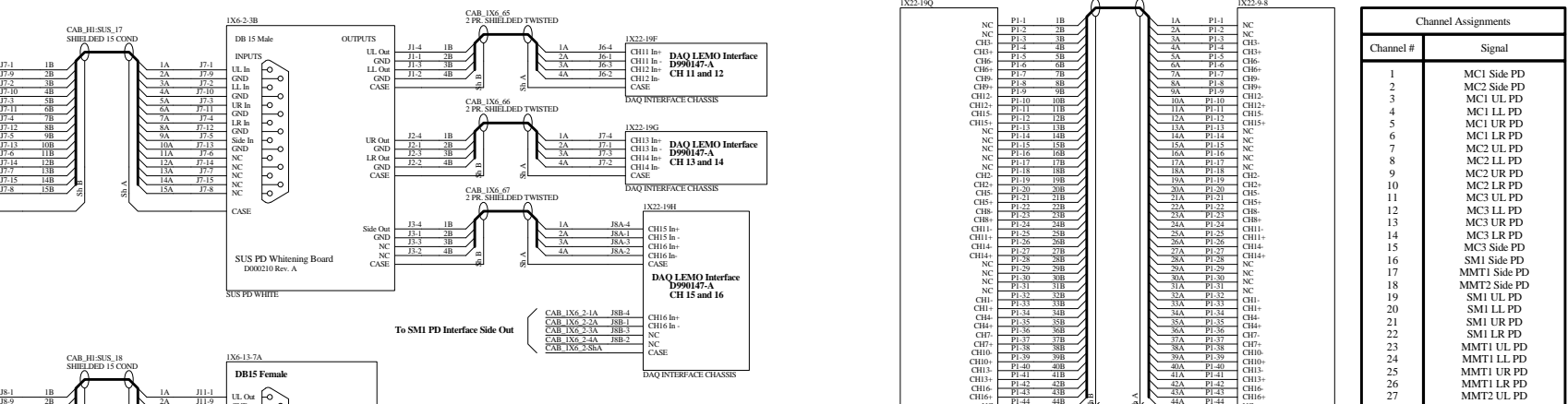
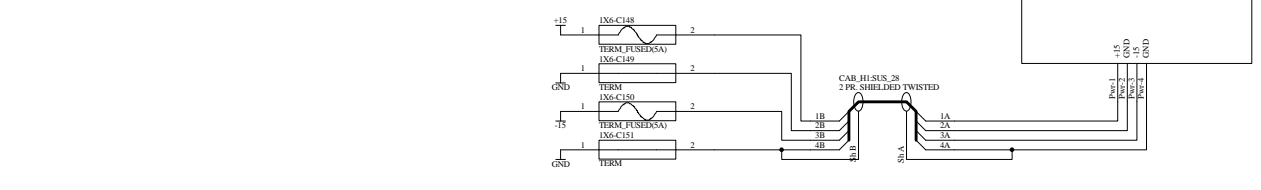
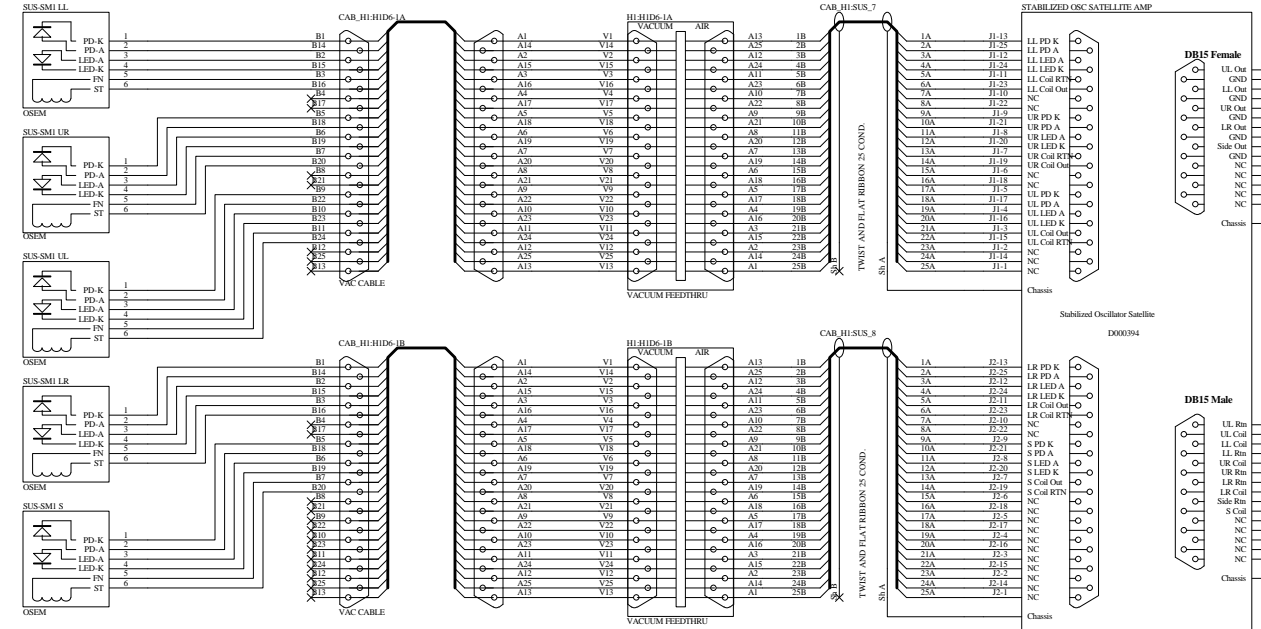


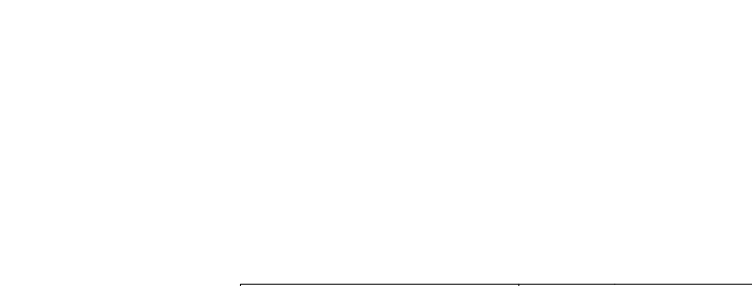
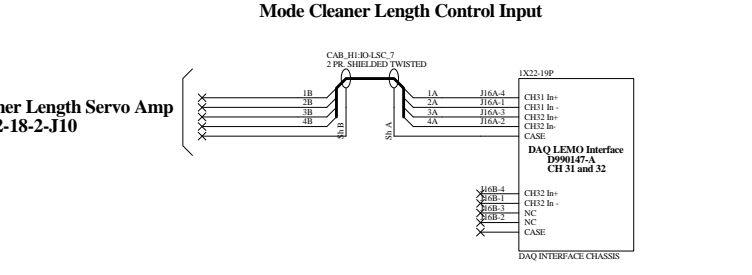
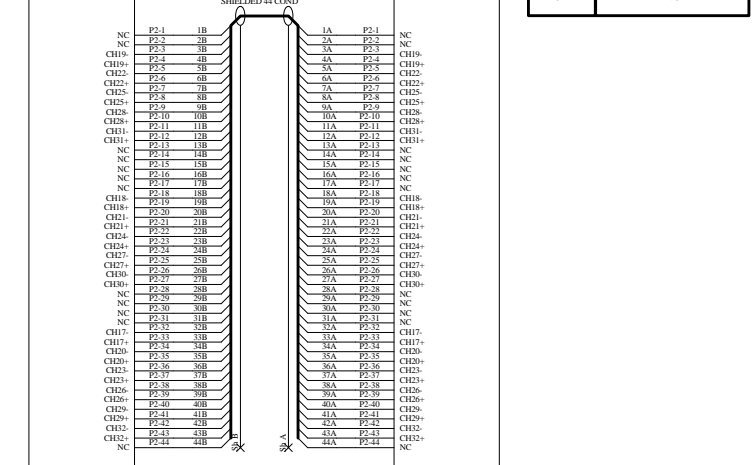
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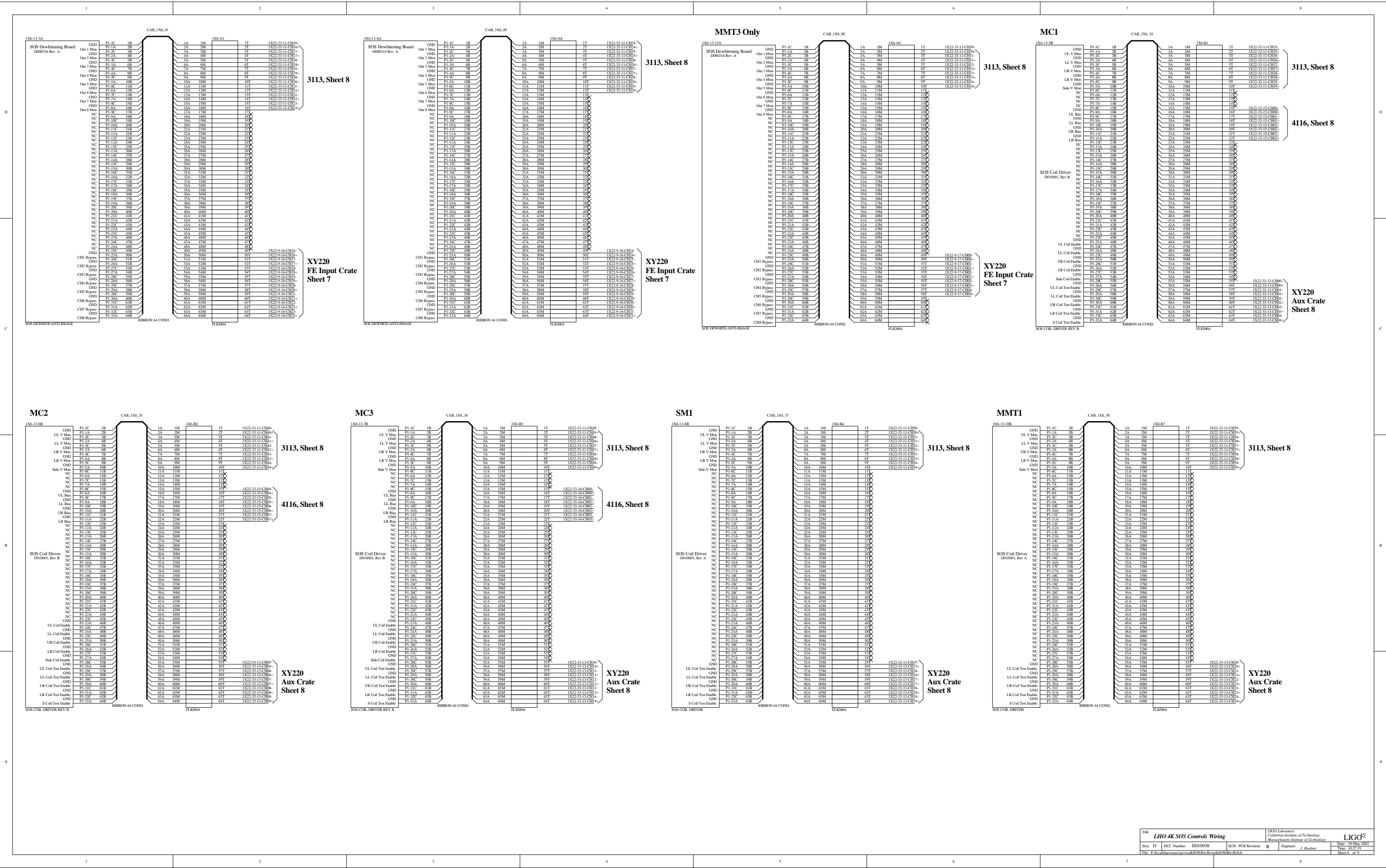


SM1



Channel #	Signal
1	MC1 Side PD
2	MC2 Side PD
3	MC1 UL PD
4	MC1 LL PD
5	MC1 UR PD
6	MC1 LR PD
7	MC2 UL PD
8	MC2 LL PD
9	MC2 UR PD
10	MC2 LR PD
11	MC3 UL PD
12	MC3 LL PD
13	MC3 UR PD
14	MC3 LR PD
15	MC3 Side PD
16	MMT1 Side PD
17	MMT1 UL PD
18	MMT1 LL PD
19	SM1 UL PD
20	SM1 LL PD
21	SM1 UR PD
22	SM1 LR PD
23	MMT2 UL PD
24	MMT2 LL PD
25	MMT2 UR PD
26	MMT2 LR PD
27	MMT2 Side PD
28	MMT2 UL PD
29	MMT2 LL PD
30	MMT2 UR PD
31	MMT2 LR PD
32	Mode Cleaner Length NC





3113, Sheet 8

3113, Sheet 8

3113, Sheet 8

3113, Sheet 8

4116, Sheet 8

XY220 FE Input Crate Sheet 7

XY220 FE Input Crate Sheet 7

XY220 FE Input Crate Sheet 7

XY220 Aux Crate Sheet 8

3113, Sheet 8

3113, Sheet 8

3113, Sheet 8

3113, Sheet 8

4116, Sheet 8

4116, Sheet 8

4116, Sheet 8

4116, Sheet 8

XY220 Aux Crate Sheet 8

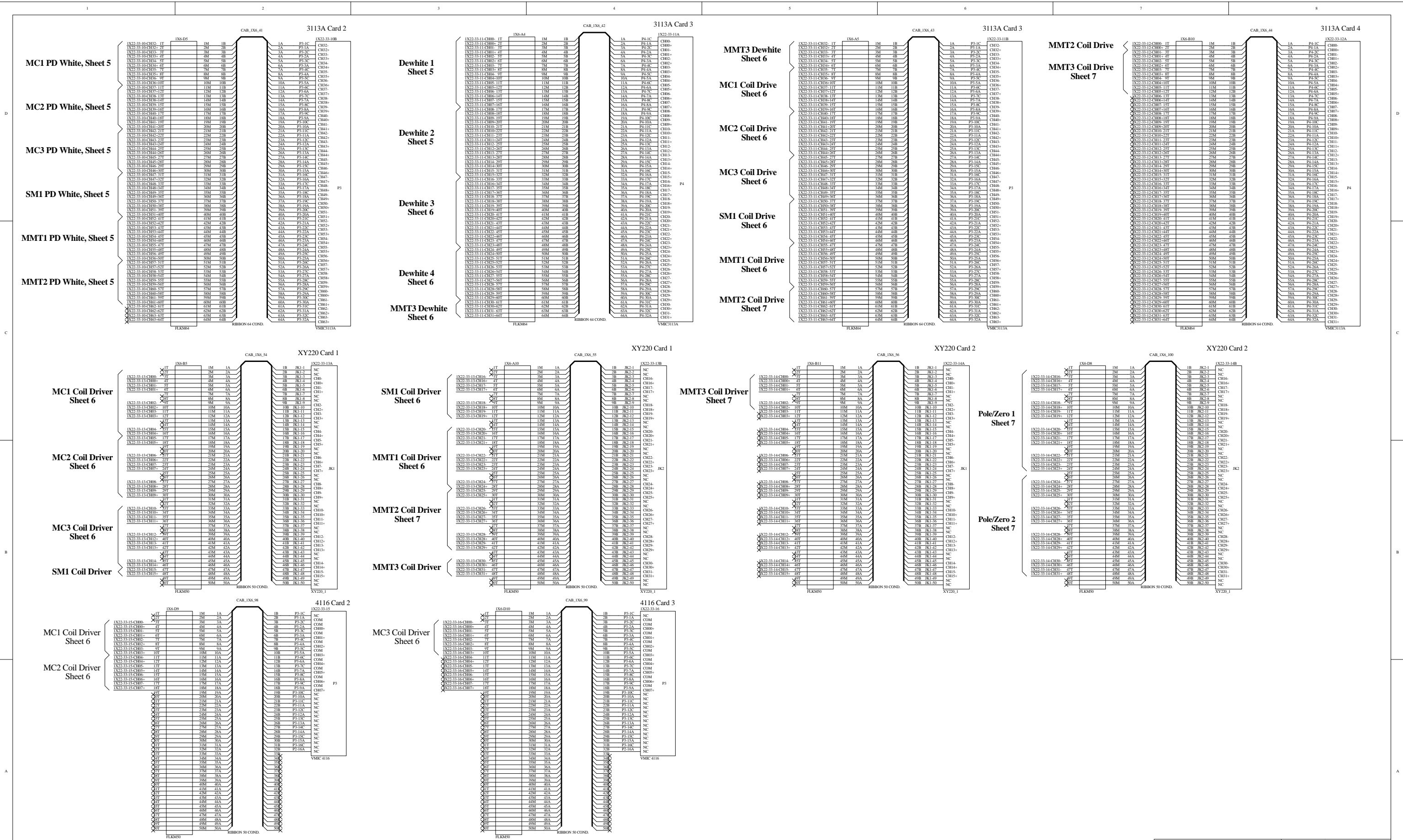
XY220 Aux Crate Sheet 8

XY220 Aux Crate Sheet 8

XY220 Aux Crate Sheet 8

MMT2

1X6-11.14B	CAB_1X6_39	1A	1M	1B	1T	1X22-33-11-CH00
UL V Main	PI-1C	1B	2A	3M	4T	1X22-33-11-CH00
UL V Main	PI-1A	2B	3A	4M	5T	1X22-33-11-CH00
UL V Main	PI-2A	4B	5A	6M	7T	1X22-33-11-CH00
UL V Main	PI-3C	7B	8A	9M	10T	1X22-33-11-CH00
UL V Main	PI-3A	6B	7A	8M	9T	1X22-33-11-CH00
UL V Main	PI-4C	7B	8A	9M	10T	1X22-33-11-CH00
UL V Main	PI-4A	6B	7A	8M	9T	1X22-33-11-CH00
LR V Main	PI-5C	9B	10A	11M	12T	1X22-33-11-CH00
LR V Main	PI-5A	8B	9A	10M	11T	1X22-33-11-CH00
Side V Main	PI-6C	11B	12A	13M	14T	1X22-33-11-CH00
Side V Main	PI-6A	10B	11A	12M	13T	1X22-33-11-CH00
NC	PI-7A	14B	15A	16M	17T	1X22-33-11-CH00
NC	PI-7C	15B	16A	17M	18T	1X22-33-11-CH00
NC	PI-8A	16B	17A	18M	19T	1X22-33-11-CH00
NC	PI-8C	17B	18A	19M	20T	1X22-33-11-CH00
NC	PI-9A	18B	19A	20M	21T	1X22-33-11-CH00
NC	PI-9C	19B	20A	21M	22T	1X22-33-11-CH00
NC	PI-10A	20B	21A	22M	23T	1X22-33-11-CH00
NC	PI-10C	21B	22A	23M	24T	1X22-33-11-CH00
NC	PI-11A	22B	23A	24M	25T	1X22-33-11-CH00
NC	PI-11C	23B	24A	25M	26T	1X22-33-11-CH00
NC	PI-12A	24B	25A	26M	27T	1X22-33-11-CH00
NC	PI-12C	25B	26A	27M	28T	1X22-33-11-CH00
NC	PI-13A	26B	27A	28M	29T	1X22-33-11-CH00
NC	PI-13C	27B	28A	29M	30T	1X22-33-11-CH00
NC	PI-14A	28B	29A	30M	31T	1X22-33-11-CH00
NC	PI-14C	29B	30A	31M	32T	1X22-33-11-CH00
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NC	PI-16C	33B	34A	35M	36T	1X22-33-11-CH00
NC	PI-17A	34B	35A	36M	37T	1X22-33-11-CH00
NC	PI-17C	35B	36A	37M	38T	1X22-33-11-CH00
NC	PI-18A	36B	37A	38M	39T	1X22-33-11-CH00
NC	PI-18C	37B	38A	39M	40T	1X22-33-11-CH00
NC	PI-19A	38B	39A	40M	41T	1X22-33-11-CH00
NC	PI-19C	39B	40A	41M	42T	1X22-33-11-CH00
NC	PI-20A	40B	41A	42M	43T	1X22-33-11-CH00
NC	PI-20C	41B	42A	43M	44T	1X22-33-11-CH00
NC	PI-21A	42B	43A	44M	45T	1X22-33-11-CH00
NC	PI-21C	43B	44A	45M	46T	1X22-33-11-CH00
NC	PI-22A	44B	45A	46M	47T	1X22-33-11-CH00
NC	PI-22C	45B	46A	47M	48T	1X22-33-11-CH00
NC	PI-23A	46B	47A	48M	49T	1X22-33-11-CH00
NC	PI-23C	47B	48A	49M	50T	1X22-33-11-CH00
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NC	PI-26C	53B	54A	55M	56T	1X22-33-11-CH00
NC	PI-27A	54B	55A	56M	57T	1X22-33-11-CH00
NC	PI-27C	55B	56A	57M	58T	1X22-33-11-CH00
NC	PI-28A	56B	57A	58M	59T	1X22-33-11-CH00
NC	PI-28C	57B	58A	59M	60T	1X22-33-11-CH00
NC	PI-29A	58B	59A	60M	61T	1X22-33-11-CH00
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NC	PI-59C	119B	120A	121M	122T	1X22-33-11-CH00
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NC	PI-61C	123B	124A	125M	126T	1X22-33-11-CH00
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NC	PI-79A	158B	159A	160M	161T	1X22-33-11-CH00
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NC	PI-83A	166B	167A	168M	169T	1X22-33-11-CH00
NC	PI-83C	167B	168A	169M	170T	1X22-33-11-CH00
NC	PI-84A	168B	169A	170M	171T	1X22-33-11-CH00
NC	PI-84C	169B				



MC1 PD White, Sheet 5

MC2 PD White, Sheet 5

MC3 PD White, Sheet 5

SM1 PD White, Sheet 5

MMT1 PD White, Sheet 5

MMT2 PD White, Sheet 5

Dewhite 1 Sheet 5

Dewhite 2 Sheet 5

Dewhite 3 Sheet 6

Dewhite 4 Sheet 6

MMT3 Dewhite Sheet 6

MMT3 Dewhite Sheet 6

MC1 Coil Drive Sheet 6

MC2 Coil Drive Sheet 6

MC3 Coil Drive Sheet 6

SM1 Coil Drive Sheet 6

MMT1 Coil Drive Sheet 6

MMT2 Coil Drive Sheet 7

MMT2 Coil Drive Sheet 7

MMT3 Coil Drive Sheet 7

MC1 Coil Driver Sheet 6

MC2 Coil Driver Sheet 6

MC3 Coil Driver Sheet 6

SM1 Coil Driver Sheet 6

SM1 Coil Driver Sheet 6

MMT1 Coil Driver Sheet 6

MMT2 Coil Driver Sheet 7

MMT3 Coil Driver Sheet 6

MMT3 Coil Driver Sheet 7

Pole/Zero 1 Sheet 7

Pole/Zero 2 Sheet 7

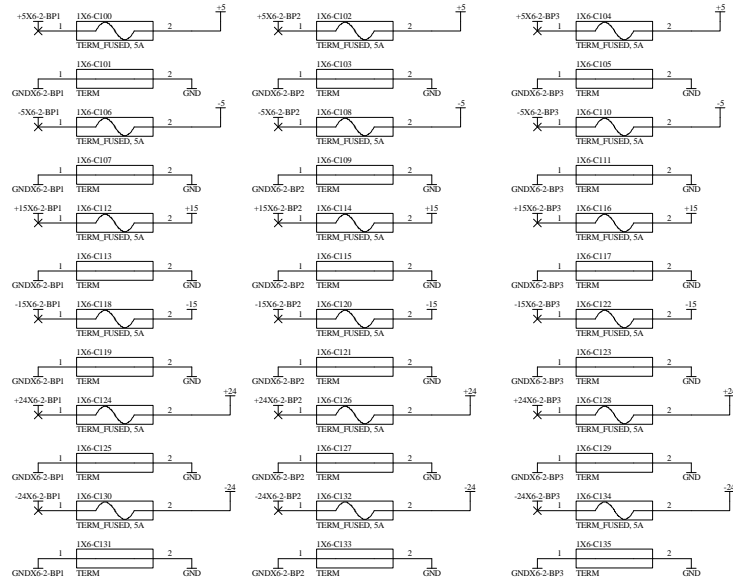
MC1 Coil Driver Sheet 6

MC2 Coil Driver Sheet 6

MC3 Coil Driver Sheet 6

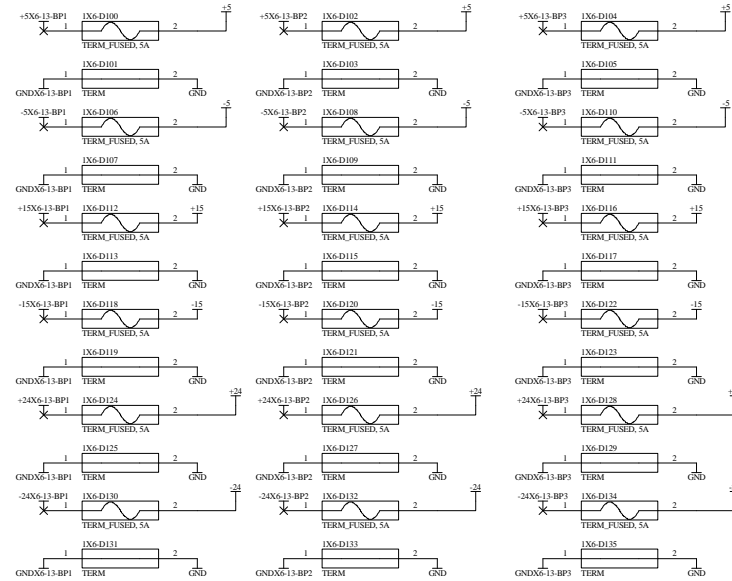
Eurocard Crate Power Connections for Crate 1X20-5

Note:
Power Connections for Eurocard modules are made through the backplane and are designated as VX6-2-BP1. Bulk power supply connections to the eurocard backplane lugs are designated V in Rack 1X6-2.



Eurocard Crate Power Connections for Crate 1X20-22

Note:
Power Connections for Eurocard modules are made through the backplane and are designated as VX6-13-BP1. Bulk power supply connections to the eurocard backplane lugs are designated V in Rack 1X6-13.



Rev	Description of Change	Date
00	Preliminary Fab Release	2/01
01	Move MMT3 outputs to SOS FE crate 1. Change cables CAB_1X7_23 to 1X7_27 to 1X6_93 to 1X6_97	4/01
02	As built changes to FE XY220 wiring on sheet 7. H/W channels made to match software.	5/01
03	1. Added Pole/Zero modules to MC mirror paths. 2. Changed MC coil drivers to Rev B model. 3. Added XY220 and 4116 channels for Pole/zero and Rev B coil driver additional controls.	2/02
A	Initial Release: Changes to MMT3 Dewhite Enable connections to FE XY220, Sheet 6 and 7 to match software	3/02
B	Changes to MMT3 Dewhite Enable connections to FE XY220, Sheet 6 and 7 to match software	6/02

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6

wa4kSOS1RevB
wa4kSOS1RevB.Sch



wa4kSOS2RevB
wa4kSOS2RevB.Sch



wa4kSOS3RevB
wa4kSOS3RevB.Sch



wa4kSOS4RevB
wa4kSOS4RevB.Sch



wa4kSOS5RevB
wa4kSOS5RevB.Sch



wa4kSOS6RevB
wa4kSOS6RevB.Sch



wa4kSOS7RevB
wa4kSOS7RevB.Sch



wa4kSOS8RevB
wa4kSOS8RevB.Sch



wa4kSOS9RevB
wa4kSOS9RevB.Sch



D

D

C

C

B

B

A

A

Title		<i>LHO 4K SOS Controls Wiring</i>		LIGO Laboratory California Institute of Technology Massachusetts Institute of Technology		LIGO	
Size: B	DCC Number: D010038	SCH / PCB Revision: B	Engineer: J. Heefner	Date: 29-May-2002	Time: 10:26:17		
File: E:\hcad\ligo\users\jay\wa4kSOS\RevB\wa4kSOSRevB.Prj				Sheet 0 of 9			

1

2

3

4

5

6