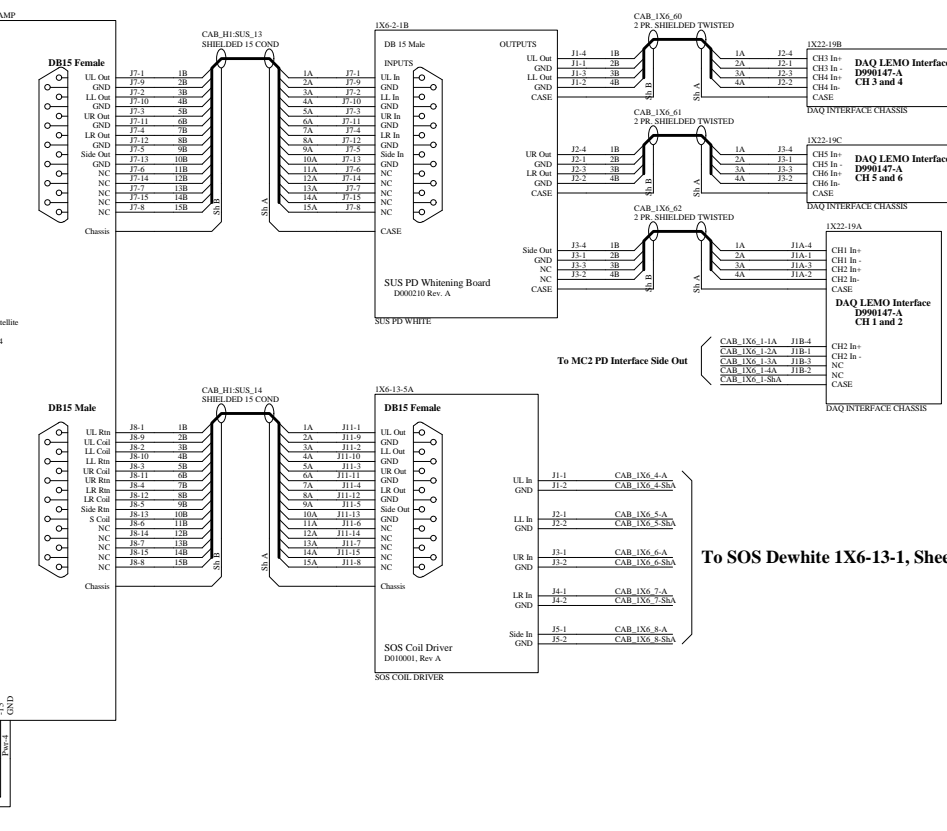
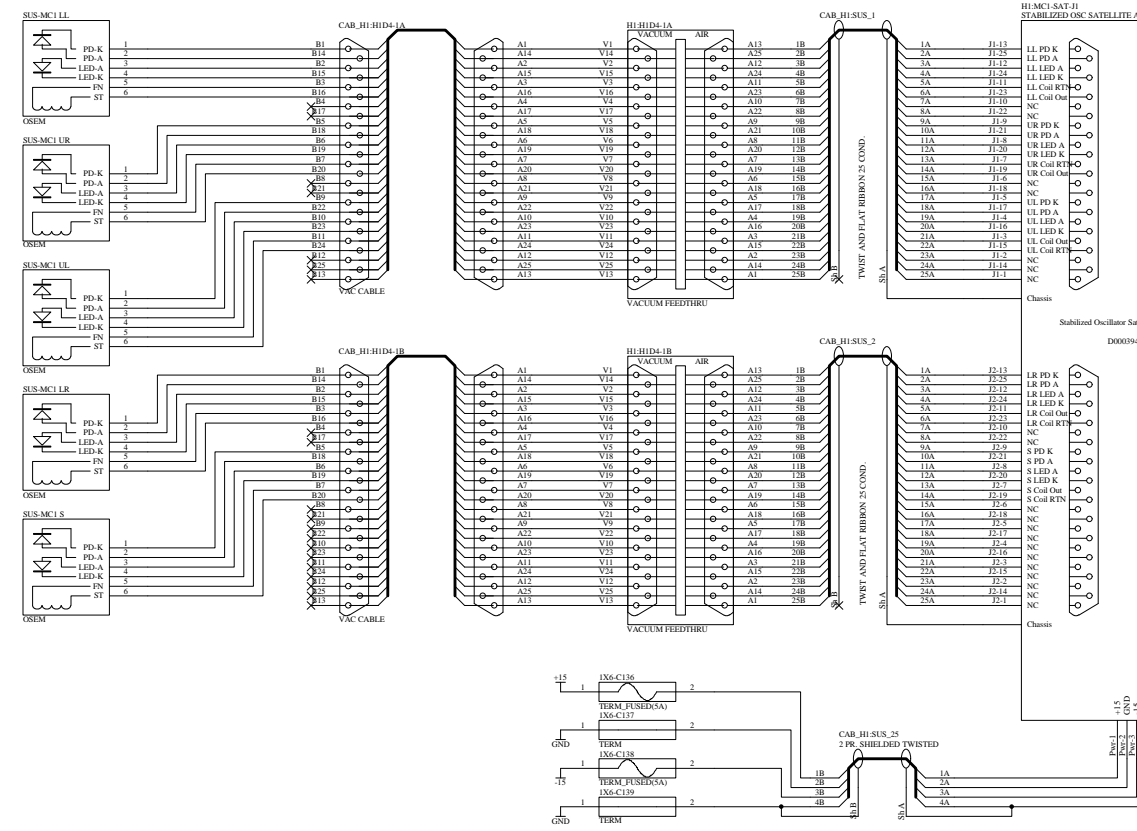
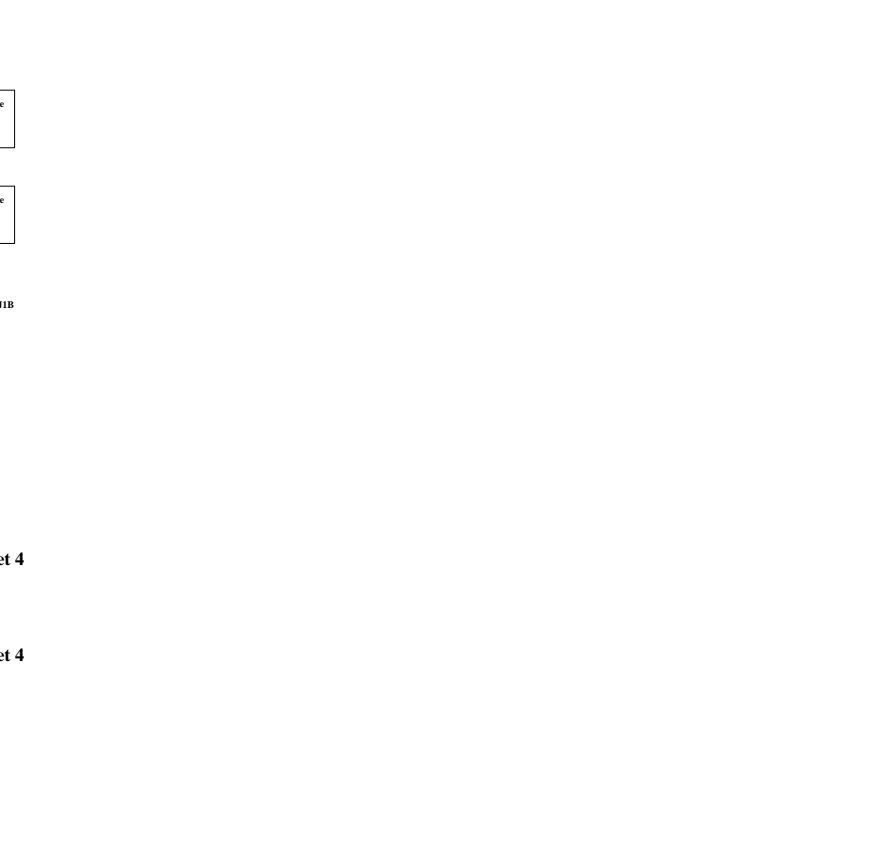
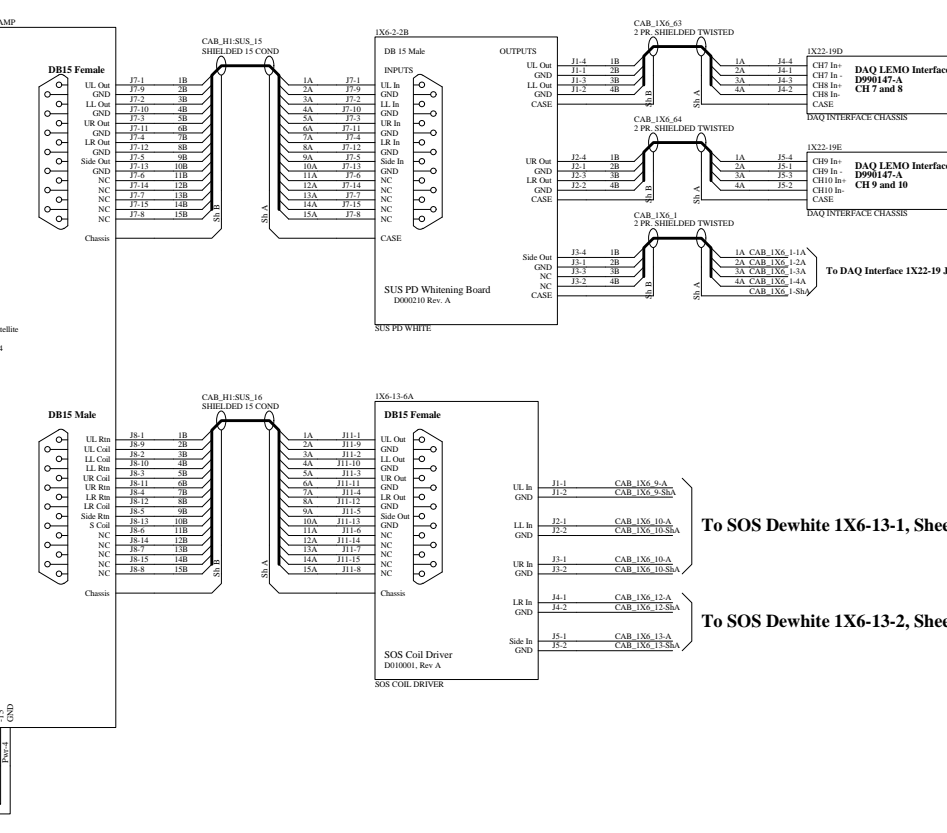
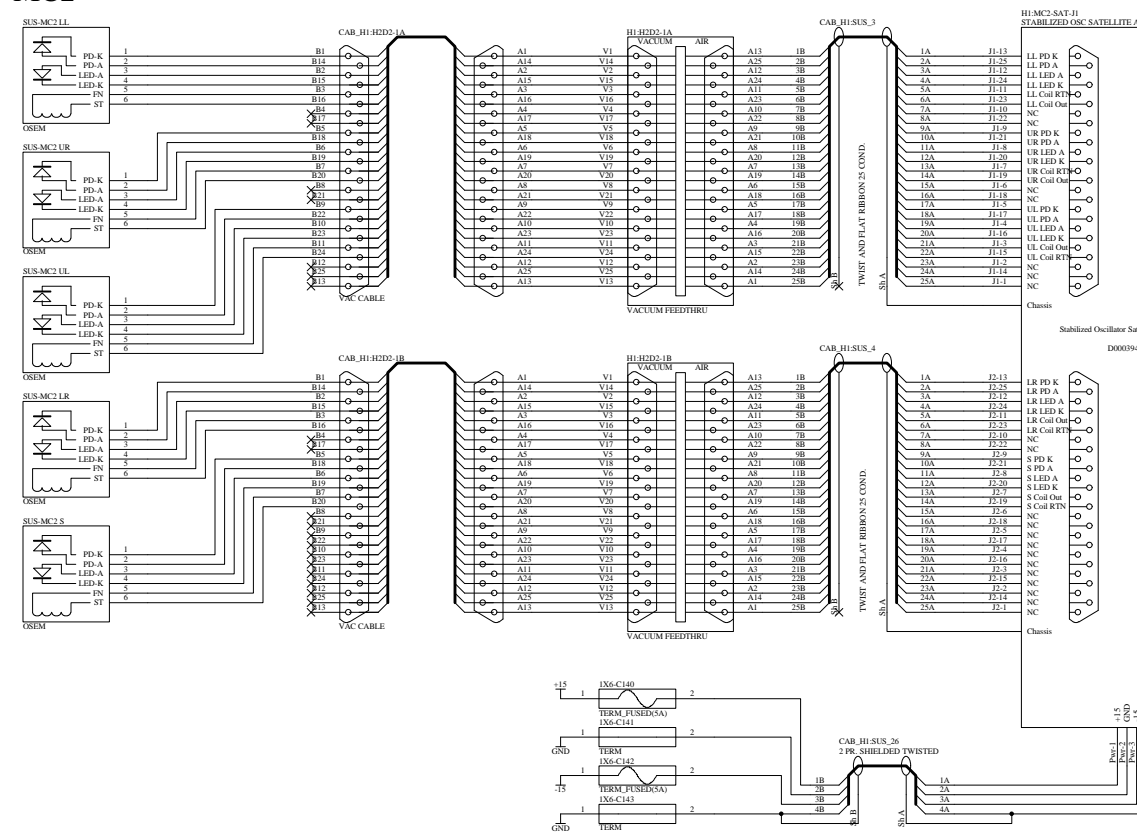


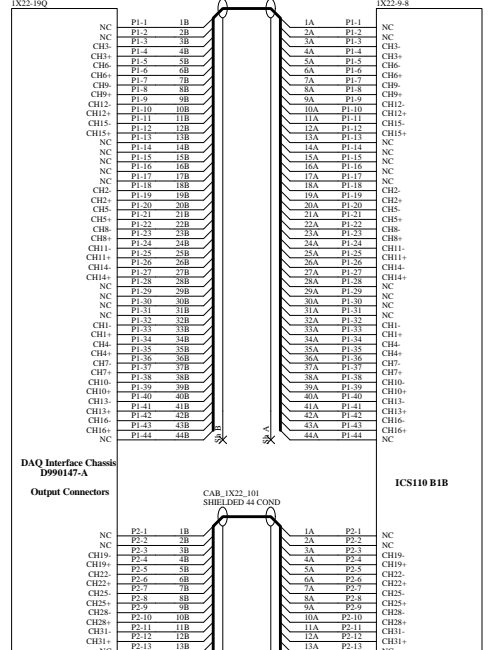
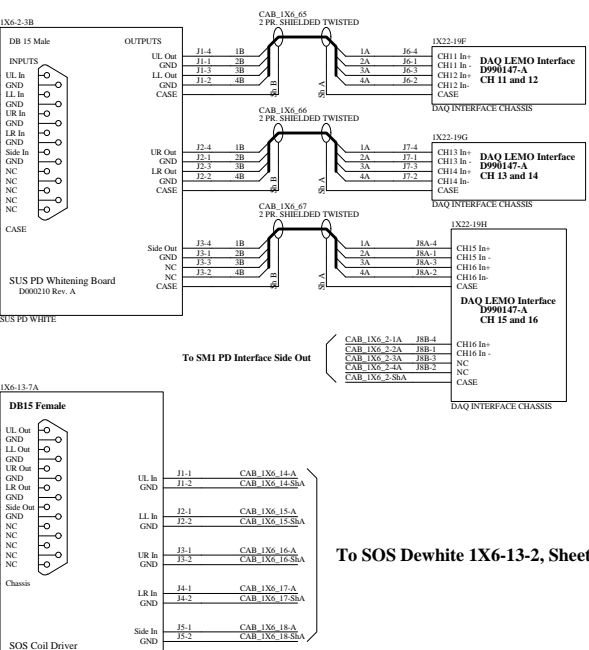
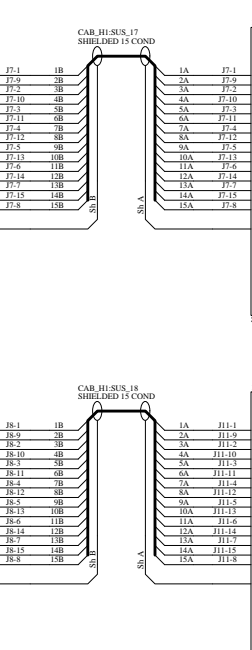
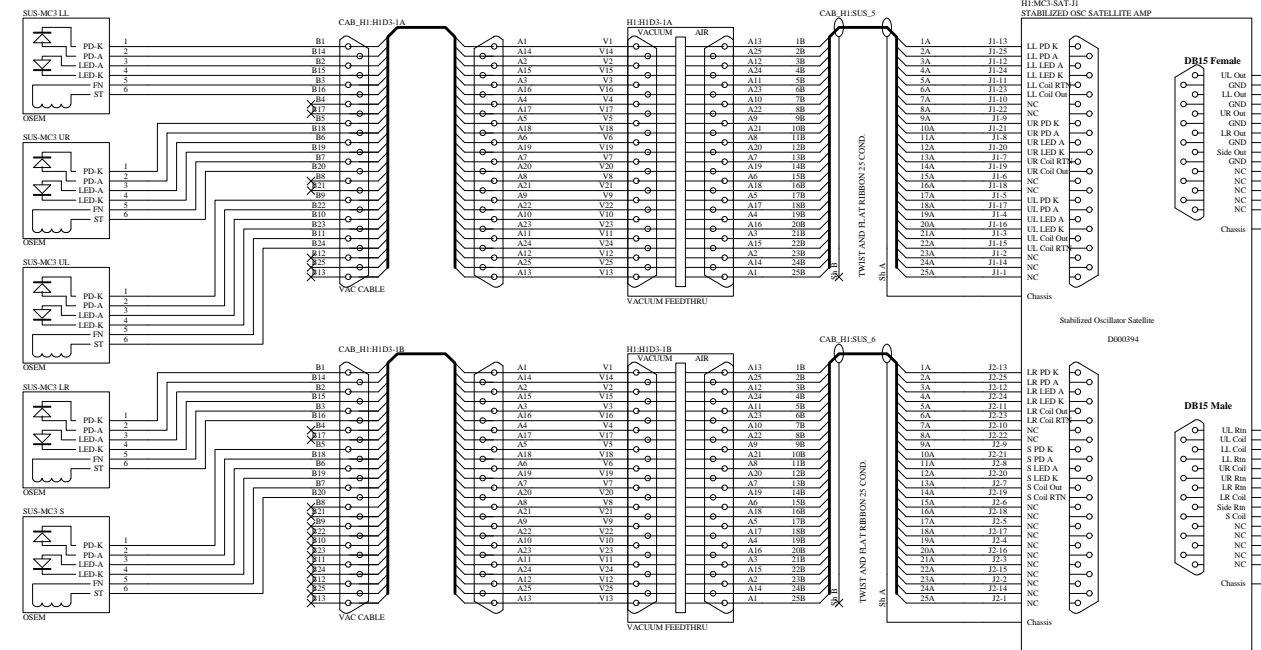
MC1



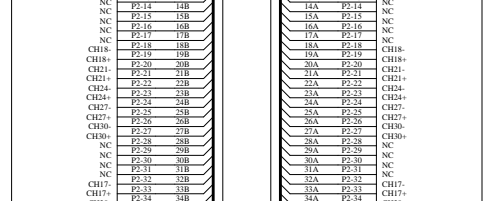
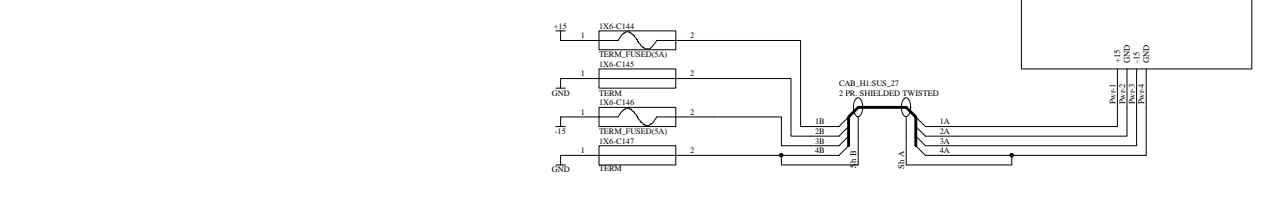
MC2



MC3

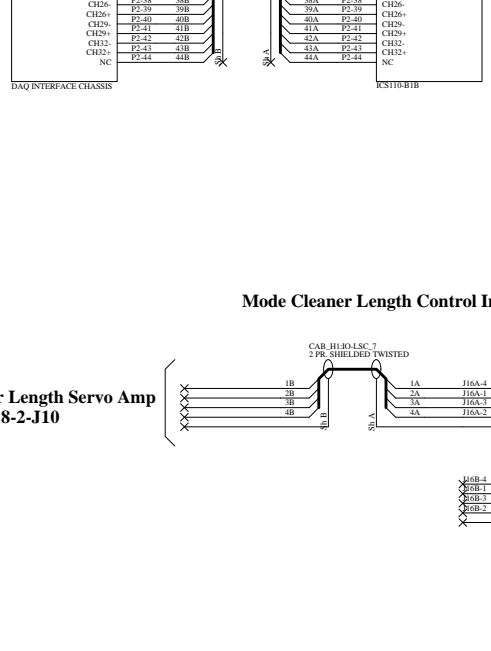
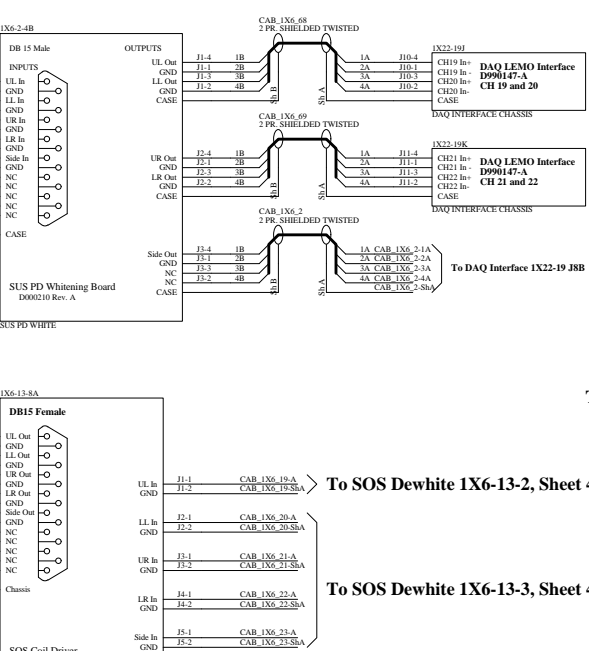
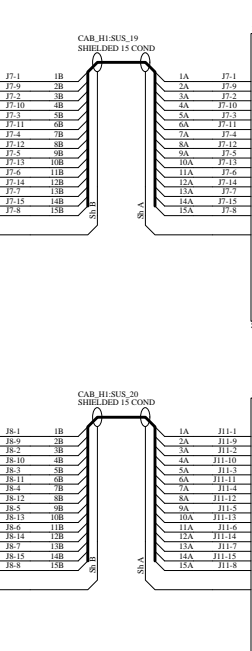
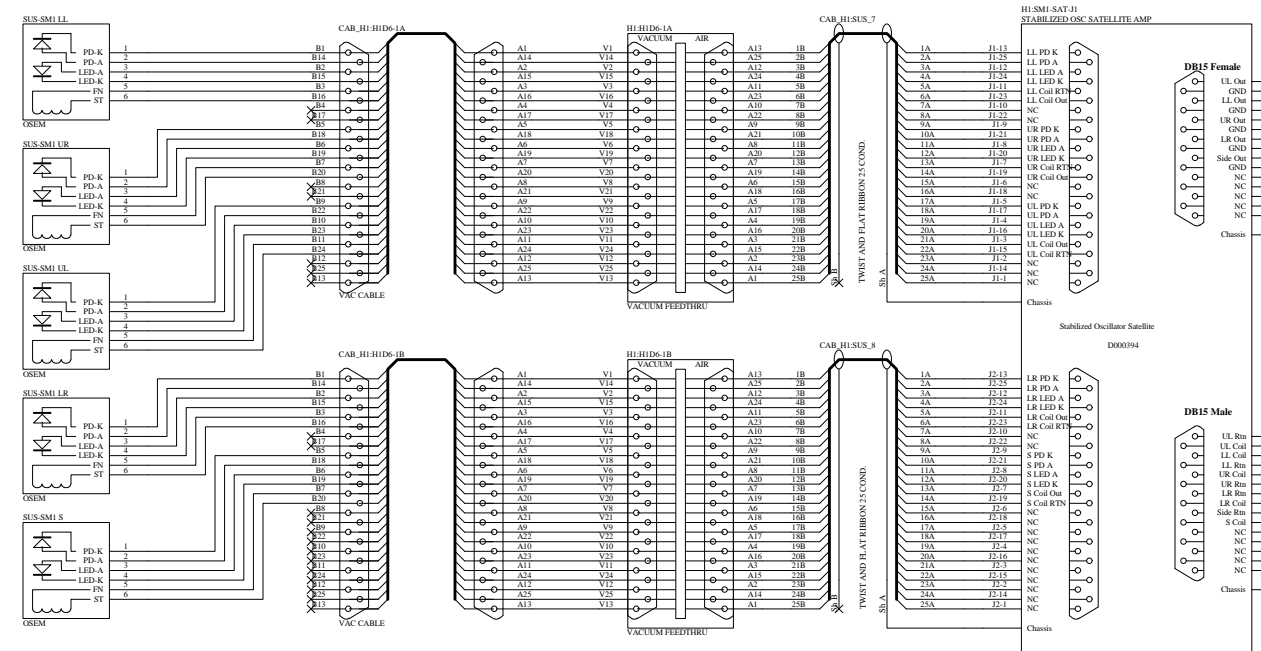


Channel Assignments	
Channel #	Signal
1	MC1 Side PD
2	MC2 Side PD
3	MC1 UL PD
4	MC1 LR PD
5	MC1 UR PD
6	MC1 LR PD
7	MC2 UL PD
8	MC2 LR PD
9	MC2 UR PD
10	MC2 LR PD
11	MC3 UL PD
12	MC3 LR PD
13	MC3 UR PD
14	MC3 LR PD
15	MC3 Side PD
16	MM1 Side PD
17	MMT1 Side PD
18	SM1 UL PD
19	SM1 LR PD
20	SM1 LR PD
21	SM1 UR PD
22	SM1 LR PD
23	MMT1 UL PD
24	MMT1 LR PD
25	MMT1 LR PD
26	MMT2 UL PD
27	MMT2 LR PD
28	MMT2 LR PD
29	MMT2 LR PD
30	MMT2 LR PD
31	Mode Cleaner Length
32	NC

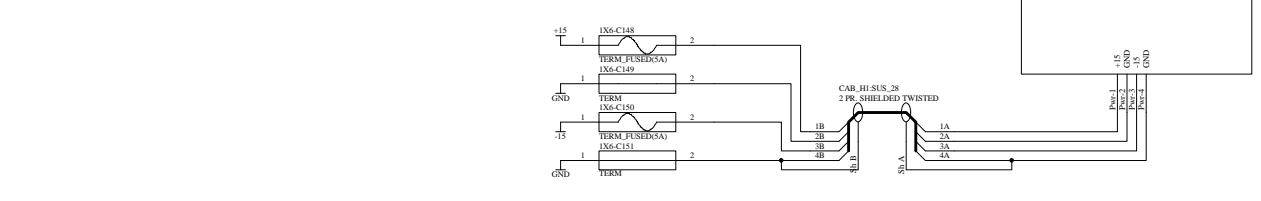


Channel Assignments	
Channel #	Signal
1	MC1 Side PD
2	MC2 Side PD
3	MC1 UL PD
4	MC1 LR PD
5	MC1 UR PD
6	MC1 LR PD
7	MC2 UL PD
8	MC2 LR PD
9	MC2 UR PD
10	MC2 LR PD
11	MC3 UL PD
12	MC3 LR PD
13	MC3 UR PD
14	MC3 LR PD
15	MC3 Side PD
16	MM1 Side PD
17	MMT1 Side PD
18	SM1 UL PD
19	SM1 LR PD
20	SM1 LR PD
21	SM1 UR PD
22	SM1 LR PD
23	MMT1 UL PD
24	MMT1 LR PD
25	MMT1 LR PD
26	MMT2 UL PD
27	MMT2 LR PD
28	MMT2 LR PD
29	MMT2 LR PD
30	MMT2 LR PD
31	Mode Cleaner Length
32	NC

SM1

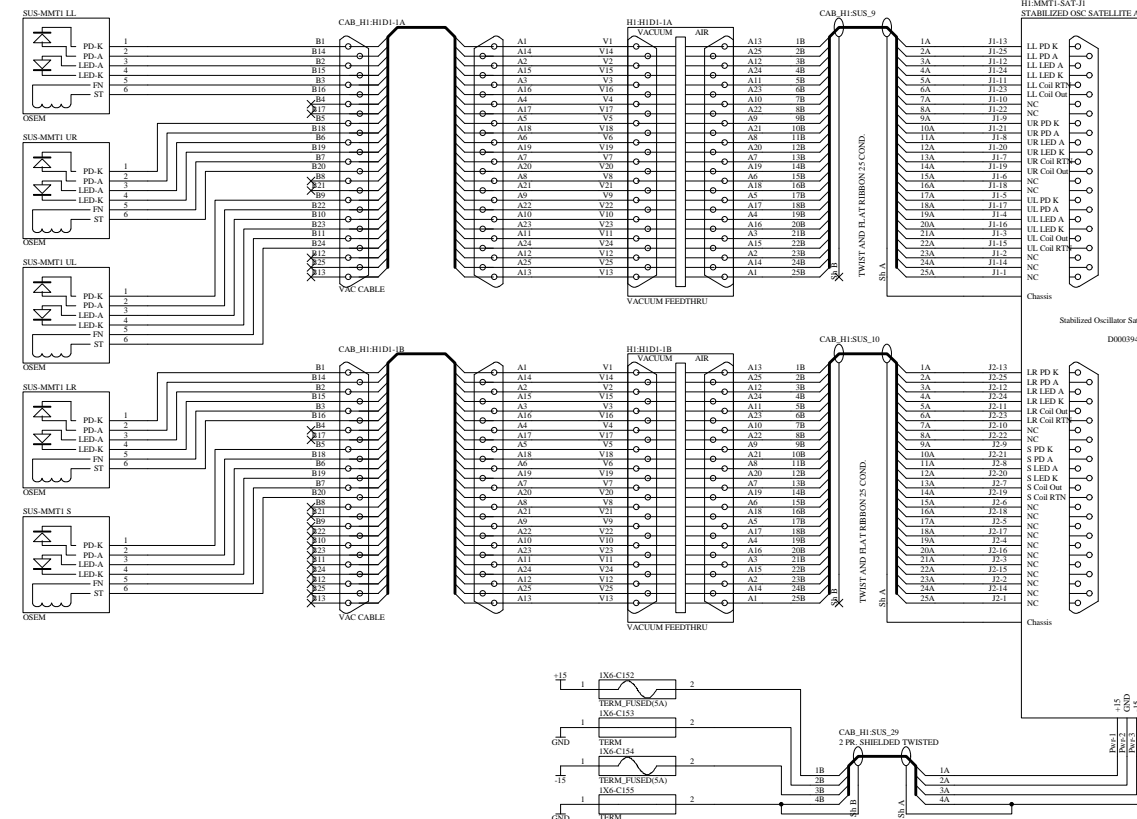


Channel Assignments	
Channel #	Signal
1	MC1 Side PD
2	MC2 Side PD
3	MC1 UL PD
4	MC1 LR PD
5	MC1 UR PD
6	MC1 LR PD
7	MC2 UL PD
8	MC2 LR PD
9	MC2 UR PD
10	MC2 LR PD
11	MC3 UL PD
12	MC3 LR PD
13	MC3 UR PD
14	MC3 LR PD
15	MC3 Side PD
16	MM1 Side PD
17	MMT1 Side PD
18	SM1 UL PD
19	SM1 LR PD
20	SM1 LR PD
21	SM1 UR PD
22	SM1 LR PD
23	MMT1 UL PD
24	MMT1 LR PD
25	MMT1 LR PD
26	MMT2 UL PD
27	MMT2 LR PD
28	MMT2 LR PD
29	MMT2 LR PD
30	MMT2 LR PD
31	Mode Cleaner Length
32	NC

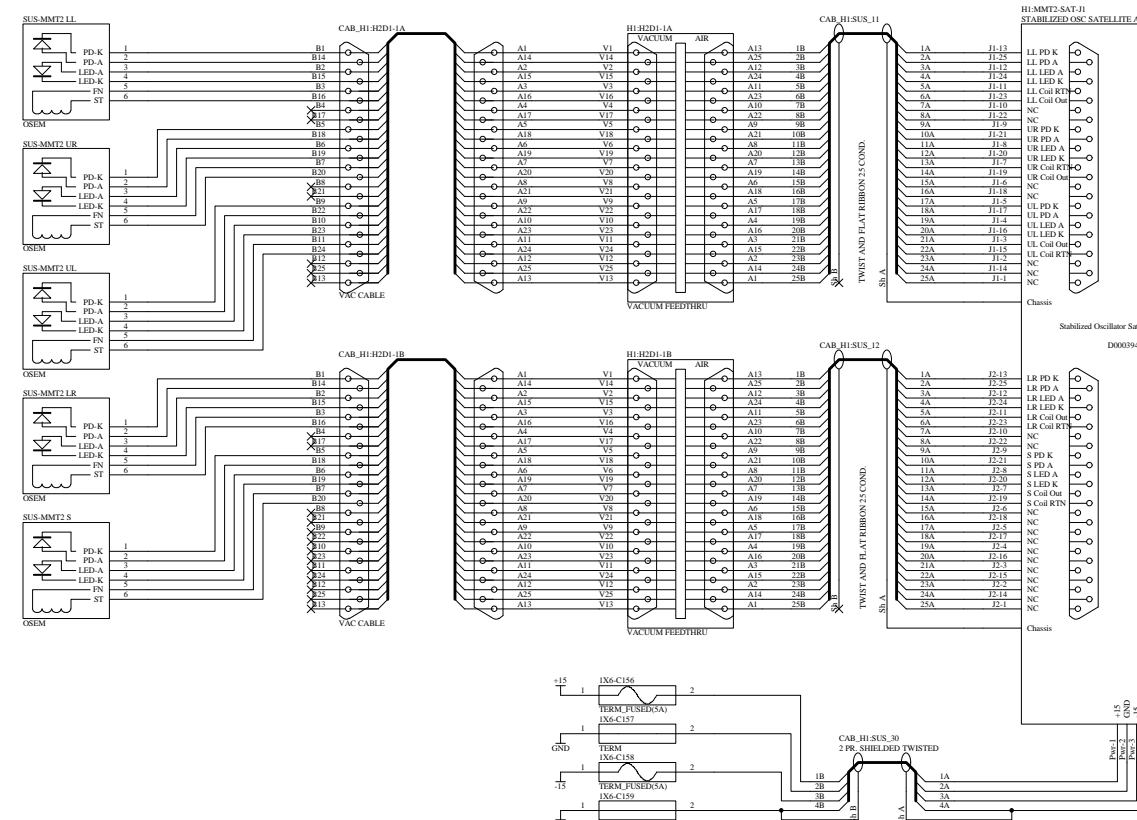


Channel Assignments	
Channel #	Signal
1	MC1 Side PD
2	MC2 Side PD
3	MC1 UL PD
4	MC1 LR PD
5	MC1 UR PD
6	MC1 LR PD
7	MC2 UL PD
8	MC2 LR PD
9	MC2 UR PD
10	MC2 LR PD
11	MC3 UL PD
12	MC3 LR PD
13	MC3 UR PD
14	MC3 LR PD
15	MC3 Side PD
16	MM1 Side PD
17	MMT1 Side PD
18	SM1 UL PD
19	SM1 LR PD
20	SM1 LR PD
21	SM1 UR PD
22	SM1 LR PD
23	MMT1 UL PD
24	MMT1 LR PD
25	MMT1 LR PD
26	MMT2 UL PD
27	MMT2 LR PD
28	MMT2 LR PD
29	MMT2 LR PD
30	MMT2 LR PD
31	Mode Cleaner Length
32	NC

MMT1



MMT2



To MC1 Coil Driver, Sheet 1

To MC2 Coil Driver, Sheet 1

To SM1 Coil Driver, Sheet 2

To MMT1 Coil Driver, Sheet 3

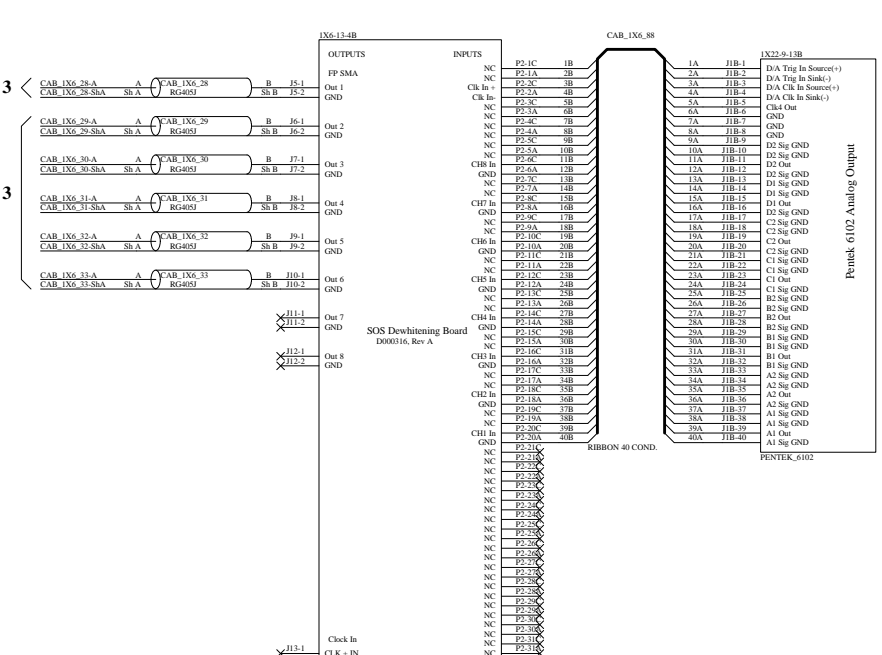
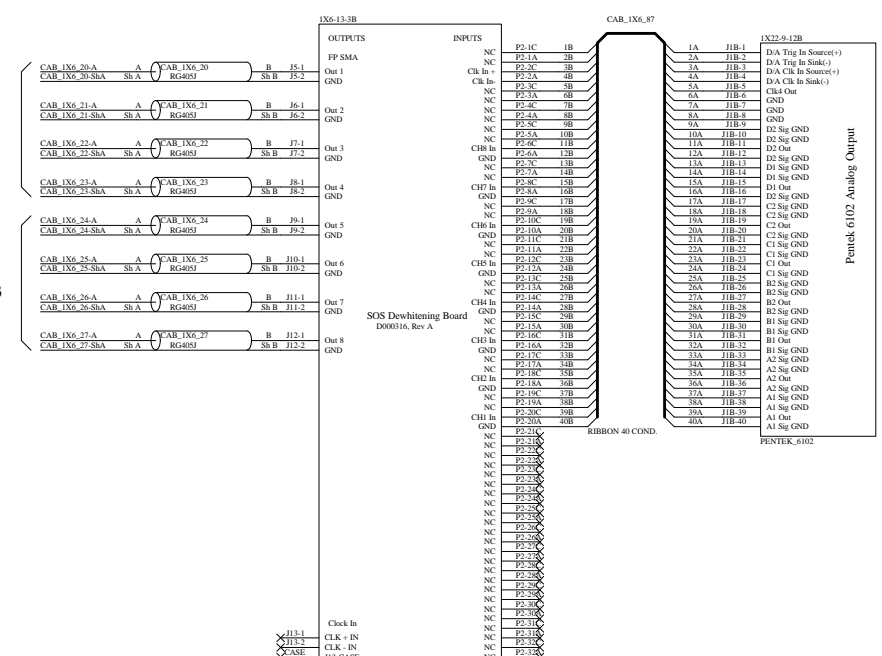
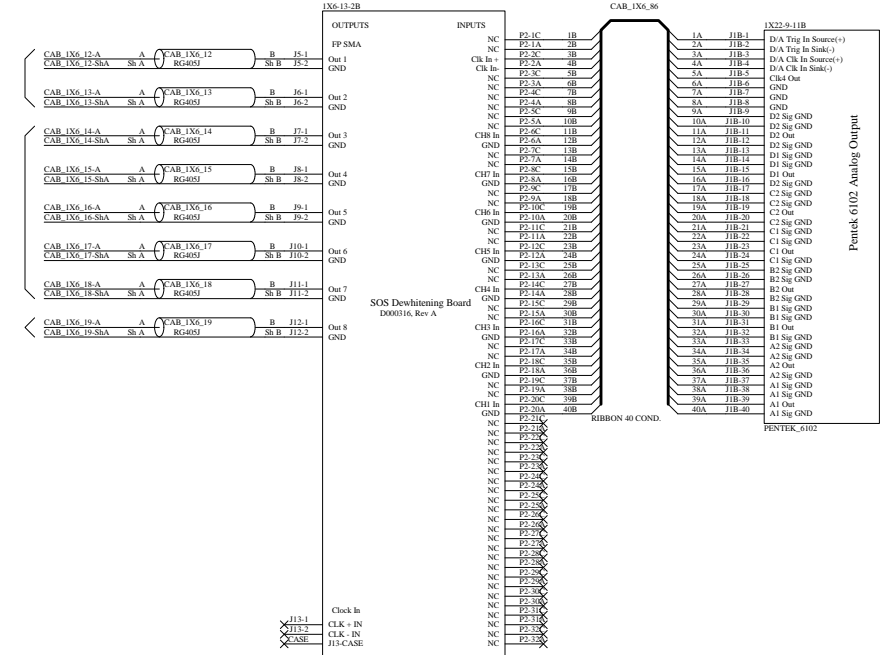
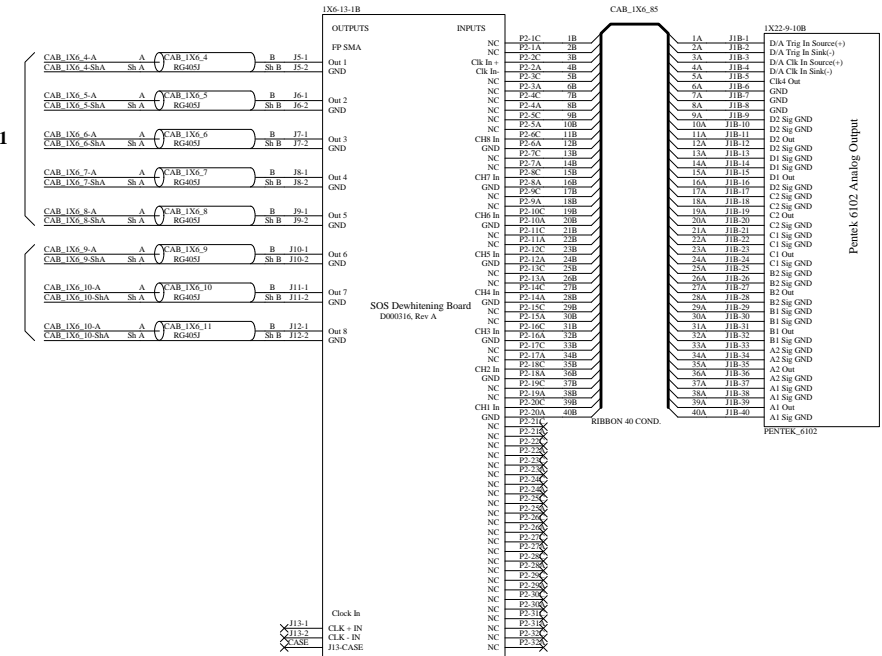
To MC2 Coil Driver, Sheet 1

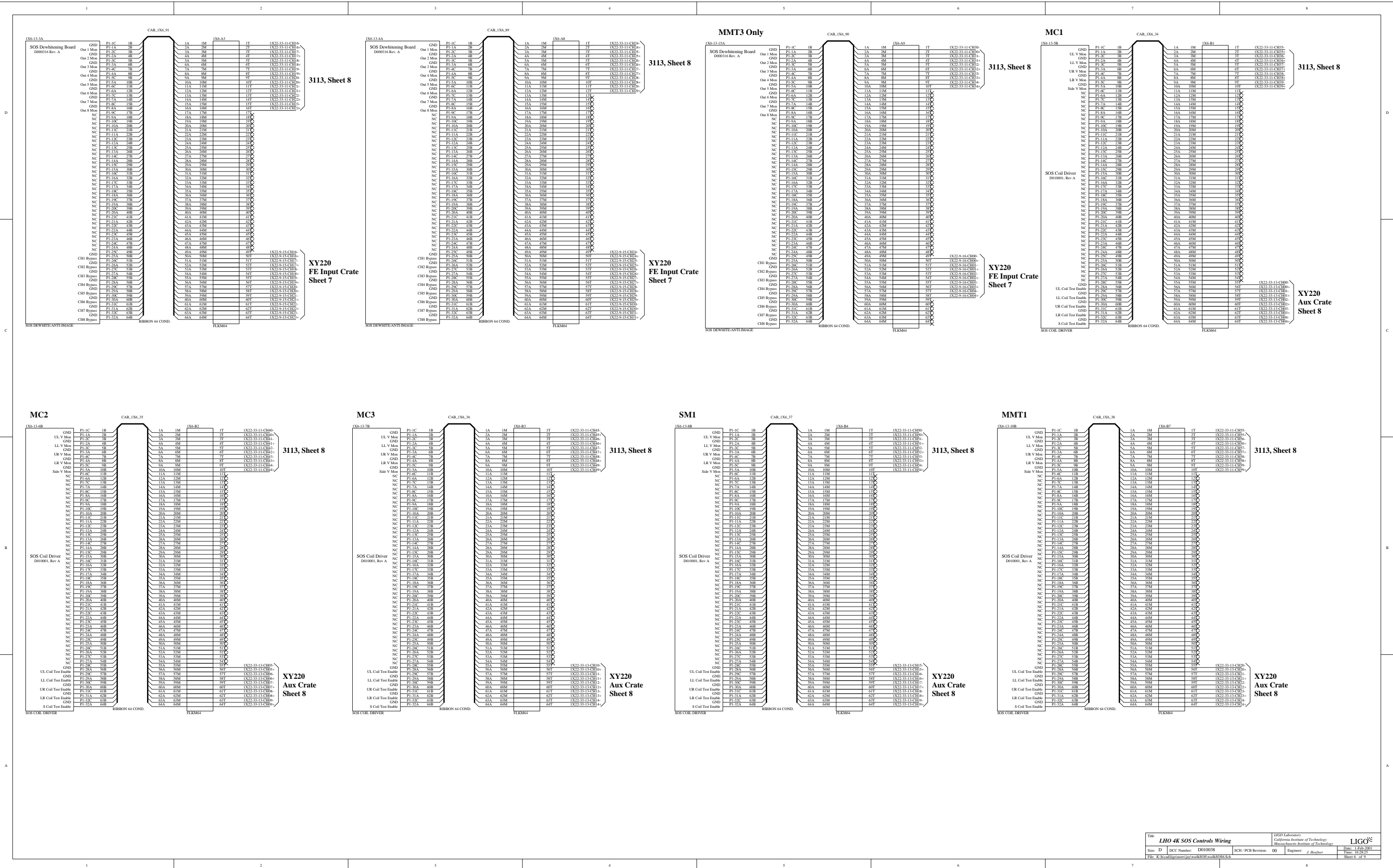
To MC3 Coil Driver, Sheet 2

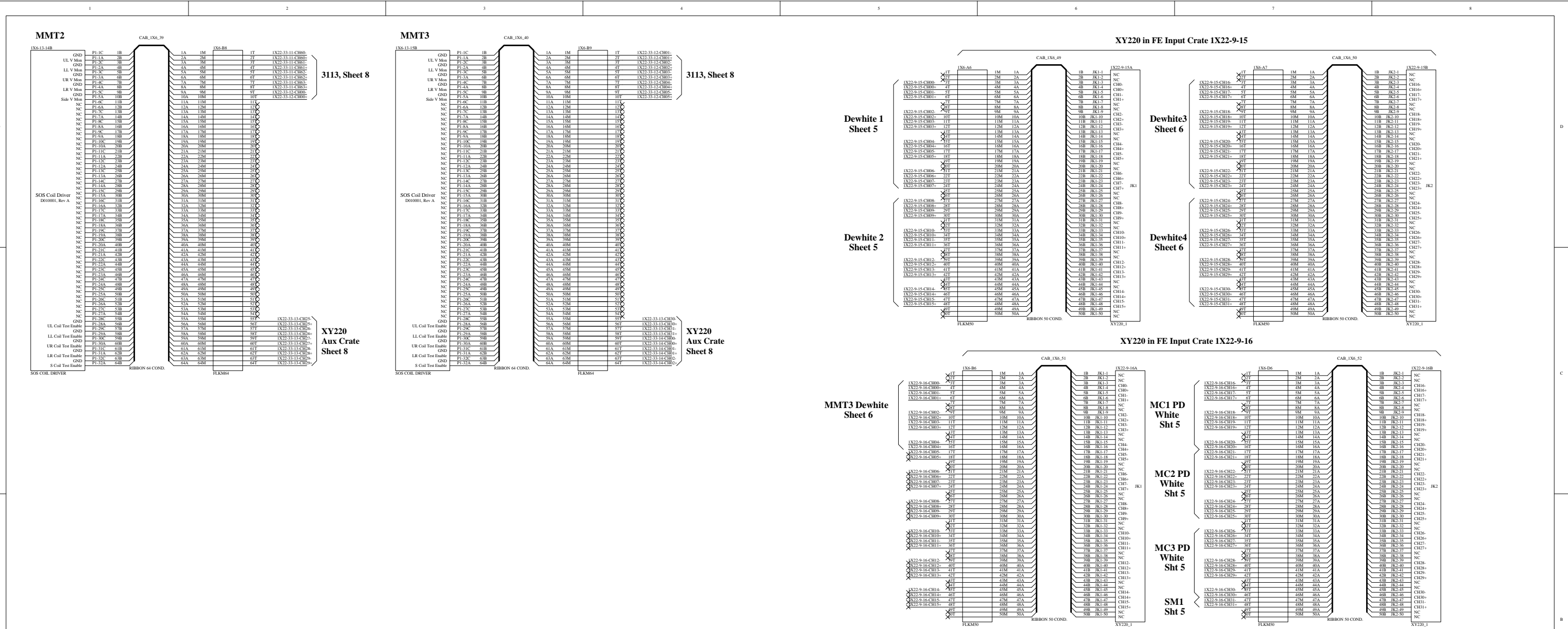
To SM1 Coil Driver, Sheet 2

To MMT1 Coil Driver, Sheet 3

To MMT2 Coil Driver, Sheet 3







MMT2

COND	PT-1C	IB	1A	1M	IT	1X22-33-11-CH06
UL V Main	PT-1A	20	2A	2M	2T	1X22-33-11-CH06
UL V Main	PT-2C	20	2A	2M	2T	1X22-33-11-CH06
UL V Main	PT-2A	40	4A	4M	4T	1X22-33-11-CH06
UL V Main	PT-3C	40	4A	4M	4T	1X22-33-11-CH06
UL V Main	PT-3A	80	8A	8M	8T	1X22-33-11-CH06
LR V Main	PT-4C	70	7A	7M	7T	1X22-33-11-CH06
LR V Main	PT-4A	80	8A	8M	8T	1X22-33-11-CH06
LR V Main	PT-5C	90	9A	9M	9T	1X22-33-11-CH06
LR V Main	PT-5A	100	10A	10M	10T	1X22-33-11-CH06
Side V Main	PT-6C	110	11A	11M	11T	1X22-33-11-CH06
NC	PT-6A	120	12A	12M	12T	
NC	PT-7C	130	13A	13M	13T	
NC	PT-7A	140	14A	14M	14T	
NC	PT-8C	150	15A	15M	15T	
NC	PT-8A	160	16A	16M	16T	
NC	PT-9C	170	17A	17M	17T	
NC	PT-9A	180	18A	18M	18T	
NC	PT-10C	190	19A	19M	19T	
NC	PT-10A	200	20A	20M	20T	
NC	PT-11C	210	21A	21M	21T	
NC	PT-11A	220	22A	22M	22T	
NC	PT-12C	230	23A	23M	23T	
NC	PT-12A	240	24A	24M	24T	
NC	PT-13C	250	25A	25M	25T	
NC	PT-13A	260	26A	26M	26T	
NC	PT-14C	270	27A	27M	27T	
NC	PT-14A	280	28A	28M	28T	
NC	PT-15C	290	29A	29M	29T	
NC	PT-15A	300	30A	30M	30T	
NC	PT-16C	310	31A	31M	31T	
NC	PT-16A	320	32A	32M	32T	
NC	PT-17C	330	33A	33M	33T	
NC	PT-17A	340	34A	34M	34T	
NC	PT-18C	350	35A	35M	35T	
NC	PT-18A	360	36A	36M	36T	
NC	PT-19C	370	37A	37M	37T	
NC	PT-19A	380	38A	38M	38T	
NC	PT-20C	390	39A	39M	39T	
NC	PT-20A	400	40A	40M	40T	
NC	PT-21C	410	41A	41M	41T	
NC	PT-21A	420	42A	42M	42T	
NC	PT-22C	430	43A	43M	43T	
NC	PT-22A	440	44A	44M	44T	
NC	PT-23C	450	45A	45M	45T	
NC	PT-23A	460	46A	46M	46T	
NC	PT-24C	470	47A	47M	47T	
NC	PT-24A	480	48A	48M	48T	
NC	PT-25C	490	49A	49M	49T	
NC	PT-25A	500	50A	50M	50T	
NC	PT-26C	510	51A	51M	51T	
NC	PT-26A	520	52A	52M	52T	
NC	PT-27C	530	53A	53M	53T	
NC	PT-27A	540	54A	54M	54T	
NC	PT-28C	550	55A	55M	55T	
UL Coil Test Enable	PT-28A	560	56A	56M	56T	1X22-33-11-CH25
LL Coil Test Enable	PT-29C	570	57A	57M	57T	1X22-33-11-CH26
LL Coil Test Enable	PT-29A	580	58A	58M	58T	1X22-33-11-CH26
UR Coil Test Enable	PT-30C	590	59A	59M	59T	1X22-33-11-CH27
UR Coil Test Enable	PT-30A	600	60A	60M	60T	1X22-33-11-CH27
LR Coil Test Enable	PT-31C	610	61A	61M	61T	1X22-33-11-CH28
LR Coil Test Enable	PT-31A	620	62A	62M	62T	1X22-33-11-CH28
S Coil Test Enable	PT-32C	630	63A	63M	63T	1X22-33-11-CH29
S Coil Test Enable	PT-32A	640	64A	64M	64T	1X22-33-11-CH29

3113, Sheet 8

XY220
Aux Crate
Sheet 8

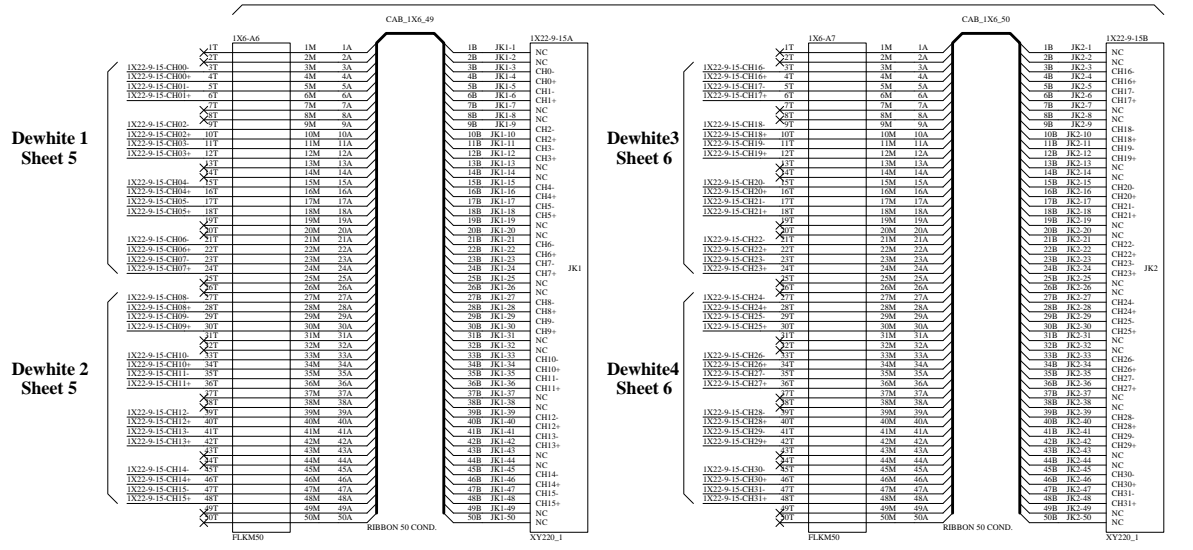
MMT3

COND	PT-1C	IB	1A	1M	IT	1X22-33-12-CH01
UL V Main	PT-1A	20	2A	2M	2T	1X22-33-12-CH01
UL V Main	PT-2C	20	2A	2M	2T	1X22-33-12-CH01
UL V Main	PT-2A	40	4A	4M	4T	1X22-33-12-CH01
UL V Main	PT-3C	40	4A	4M	4T	1X22-33-12-CH01
UL V Main	PT-3A	80	8A	8M	8T	1X22-33-12-CH01
LR V Main	PT-4C	70	7A	7M	7T	1X22-33-12-CH01
LR V Main	PT-4A	80	8A	8M	8T	1X22-33-12-CH01
LR V Main	PT-5C	90	9A	9M	9T	1X22-33-12-CH01
LR V Main	PT-5A	100	10A	10M	10T	1X22-33-12-CH01
Side V Main	PT-6C	110	11A	11M	11T	1X22-33-12-CH01
NC	PT-6A	120	12A	12M	12T	
NC	PT-7C	130	13A	13M	13T	
NC	PT-7A	140	14A	14M	14T	
NC	PT-8C	150	15A	15M	15T	
NC	PT-8A	160	16A	16M	16T	
NC	PT-9C	170	17A	17M	17T	
NC	PT-9A	180	18A	18M	18T	
NC	PT-10C	190	19A	19M	19T	
NC	PT-10A	200	20A	20M	20T	
NC	PT-11C	210	21A	21M	21T	
NC	PT-11A	220	22A	22M	22T	
NC	PT-12C	230	23A	23M	23T	
NC	PT-12A	240	24A	24M	24T	
NC	PT-13C	250	25A	25M	25T	
NC	PT-13A	260	26A	26M	26T	
NC	PT-14C	270	27A	27M	27T	
NC	PT-14A	280	28A	28M	28T	
NC	PT-15C	290	29A	29M	29T	
NC	PT-15A	300	30A	30M	30T	
NC	PT-16C	310	31A	31M	31T	
NC	PT-16A	320	32A	32M	32T	
NC	PT-17C	330	33A	33M	33T	
NC	PT-17A	340	34A	34M	34T	
NC	PT-18C	350	35A	35M	35T	
NC	PT-18A	360	36A	36M	36T	
NC	PT-19C	370	37A	37M	37T	
NC	PT-19A	380	38A	38M	38T	
NC	PT-20C	390	39A	39M	39T	
NC	PT-20A	400	40A	40M	40T	
NC	PT-21C	410	41A	41M	41T	
NC	PT-21A	420	42A	42M	42T	
NC	PT-22C	430	43A	43M	43T	
NC	PT-22A	440	44A	44M	44T	
NC	PT-23C	450	45A	45M	45T	
NC	PT-23A	460	46A	46M	46T	
NC	PT-24C	470	47A	47M	47T	
NC	PT-24A	480	48A	48M	48T	
NC	PT-25C	490	49A	49M	49T	
NC	PT-25A	500	50A	50M	50T	
UL Coil Test Enable	PT-26A	510	51A	51M	51T	1X22-33-14-CH30
LL Coil Test Enable	PT-27C	520	52A	52M	52T	1X22-33-14-CH31
LL Coil Test Enable	PT-27A	530	53A	53M	53T	1X22-33-14-CH31
UR Coil Test Enable	PT-28C	540	54A	54M	54T	1X22-33-14-CH32
UR Coil Test Enable	PT-28A	550	55A	55M	55T	1X22-33-14-CH32
LR Coil Test Enable	PT-29C	560	56A	56M	56T	1X22-33-14-CH33
LR Coil Test Enable	PT-29A	570	57A	57M	57T	1X22-33-14-CH33
S Coil Test Enable	PT-30C	580	58A	58M	58T	1X22-33-14-CH34
S Coil Test Enable	PT-30A	590	59A	59M	59T	1X22-33-14-CH34

3113, Sheet 8

XY220
Aux Crate
Sheet 8

XY220 in FE Input Crate 1X22-9-15



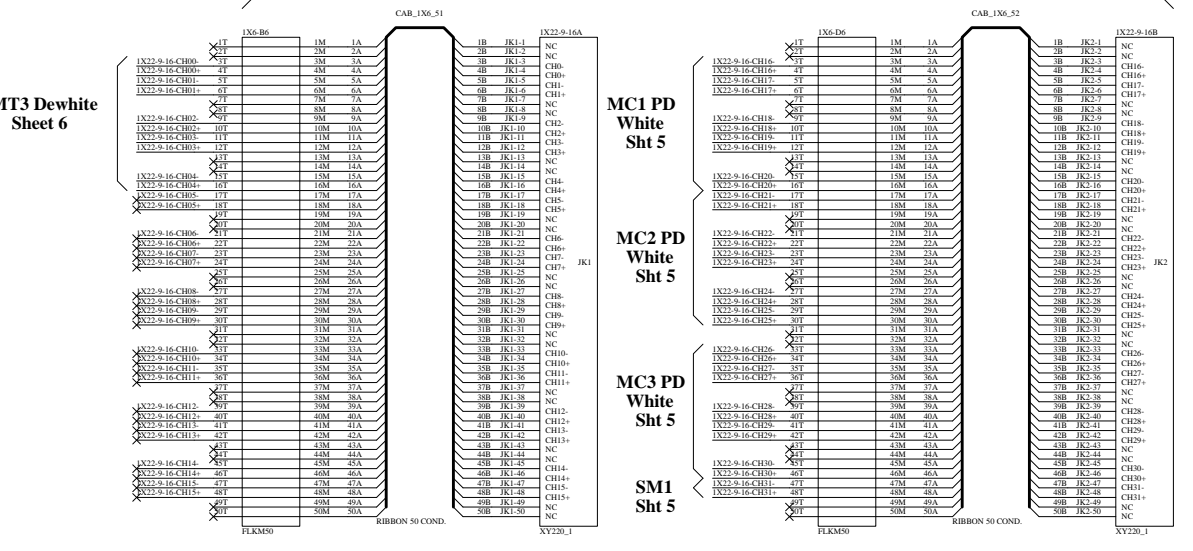
Dewhite 1
Sheet 5

Dewhite 2
Sheet 5

Dewhite3
Sheet 6

Dewhite4
Sheet 6

XY220 in FE Input Crate 1X22-9-16



MMT3 Dewhite
Sheet 6

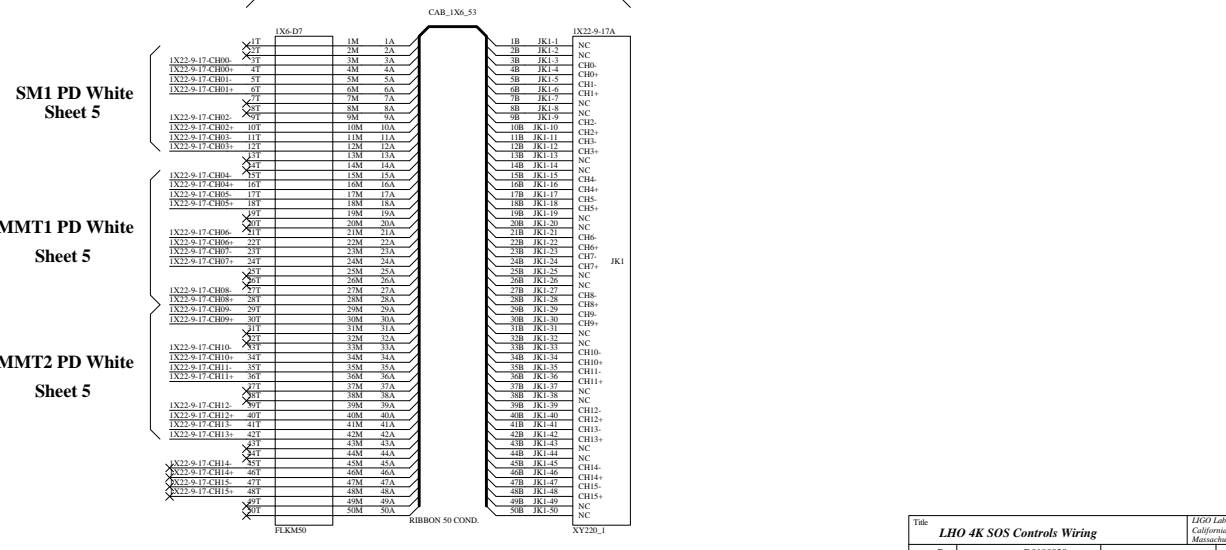
MC1 PD
White
Sht 5

MC2 PD
White
Sht 5

MC3 PD
White
Sht 5

SM1
Sht 5

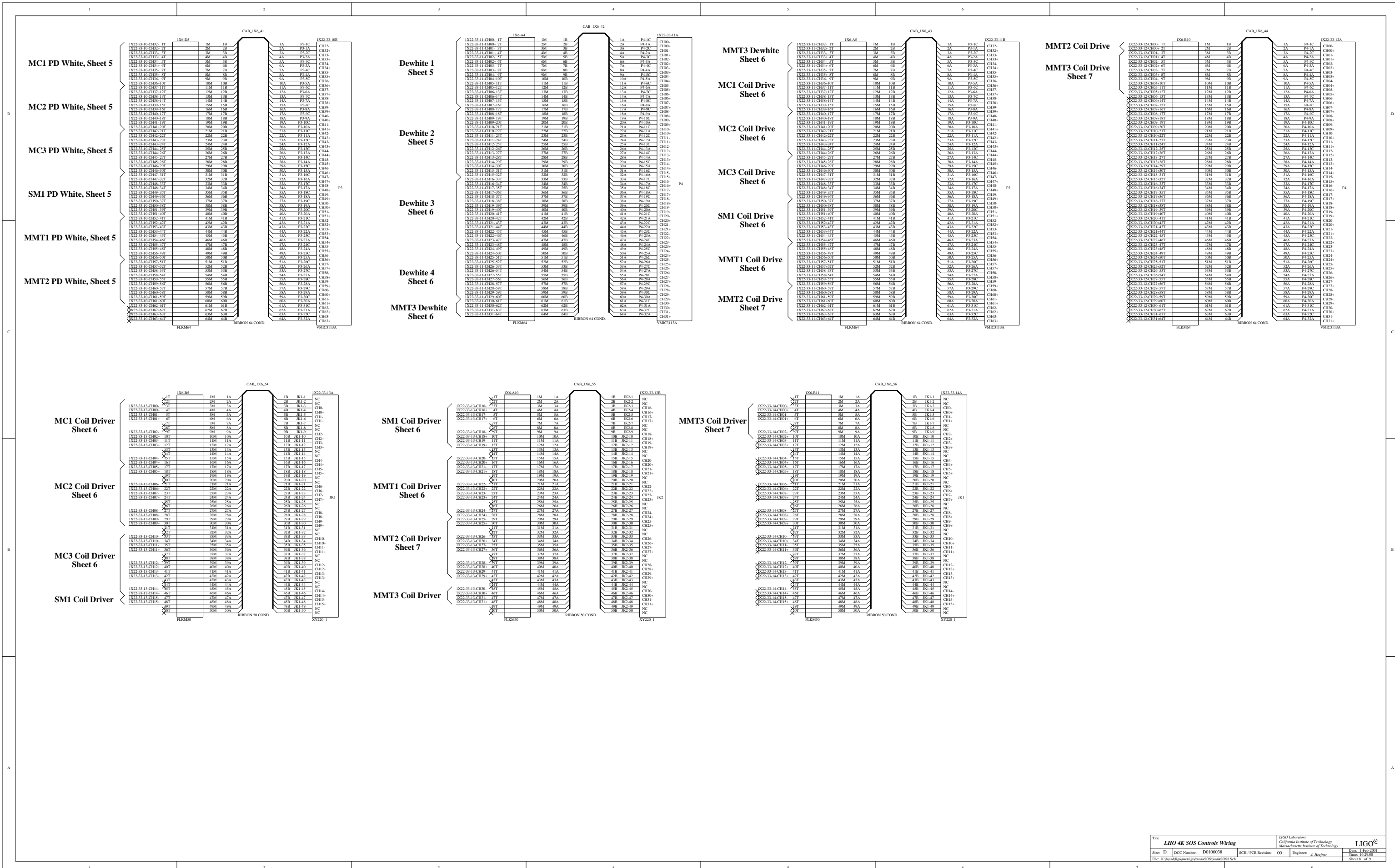
XY220 in FE Input Crate 1X22-9-17



SM1 PD White
Sheet 5

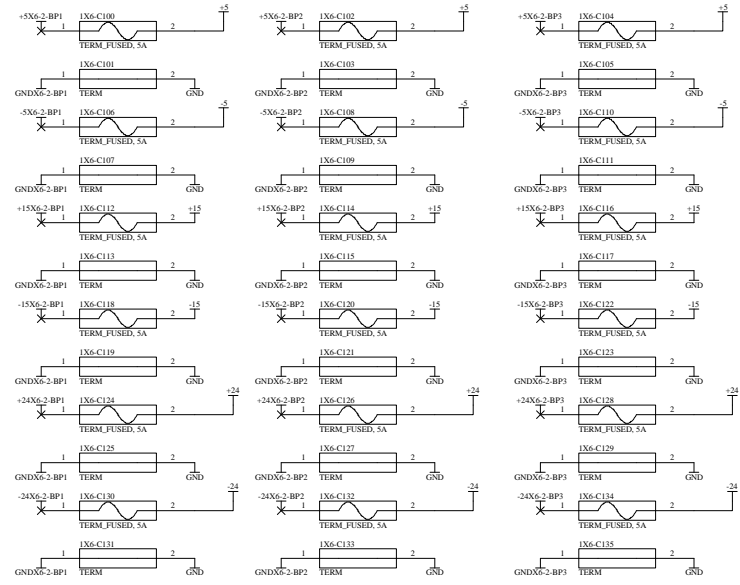
MMT1 PD White
Sheet 5

MMT2 PD White
Sheet 5



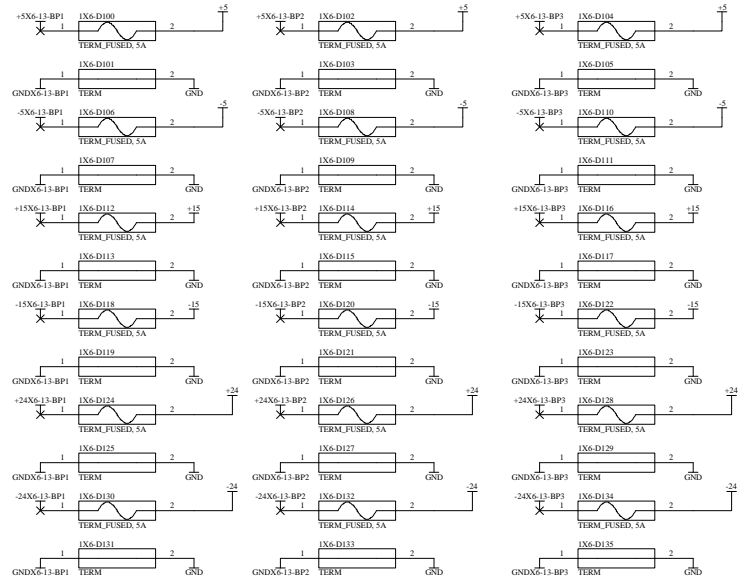
Eurocard Crate Power Connections for Crate 1X20-5

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.

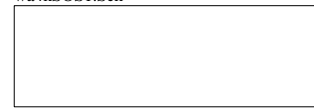


Eurocard Crate Power Connections for Crate 1X20-22

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.



wa4kSOS1
wa4kSOS1.Sch



wa4kSOS2
wa4kSOS2.Sch



wa4kSOS3
wa4kSOS3.Sch



wa4kSOS4
wa4kSOS4.Sch



wa4kSOS5
wa4kSOS5.Sch



wa4kSOS6
wa4kSOS6.Sch



wa4kSOS7
wa4kSOS7.Sch



wa4kSOS8
wa4kSOS8.Sch



wa4kSOS9
wa4kSOS9.Sch



Title		LHO 4K SOS Controls Wiring		LIGO Laboratory California Institute of Technology Massachusetts Institute of Technology		LIGO	
Size: B	DCC Number: D010038	SCH / PCB Revision: 00	Engineer: J. Heefner	Date: 1-Feb-2001	Time: 16:26:57		
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