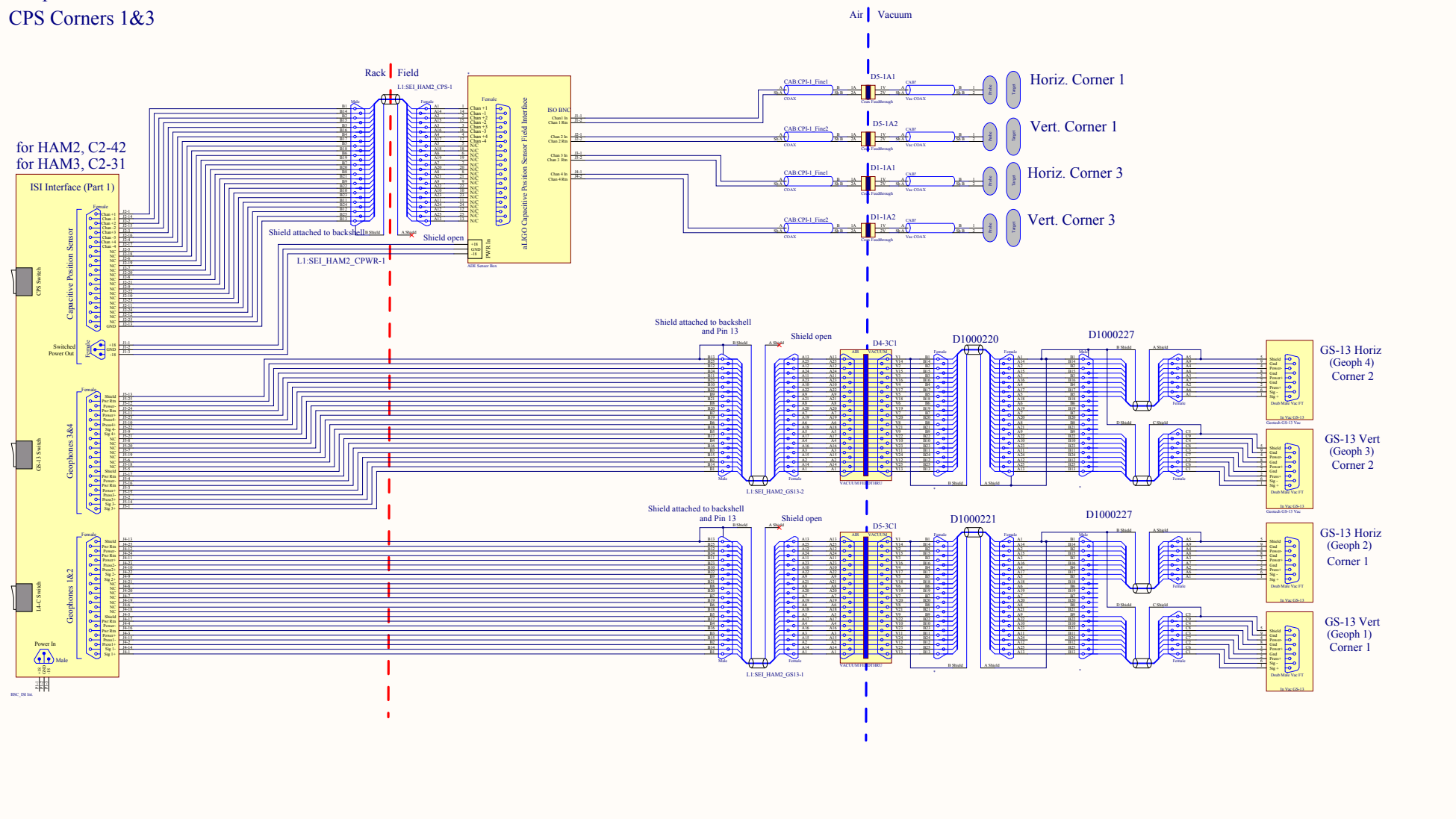


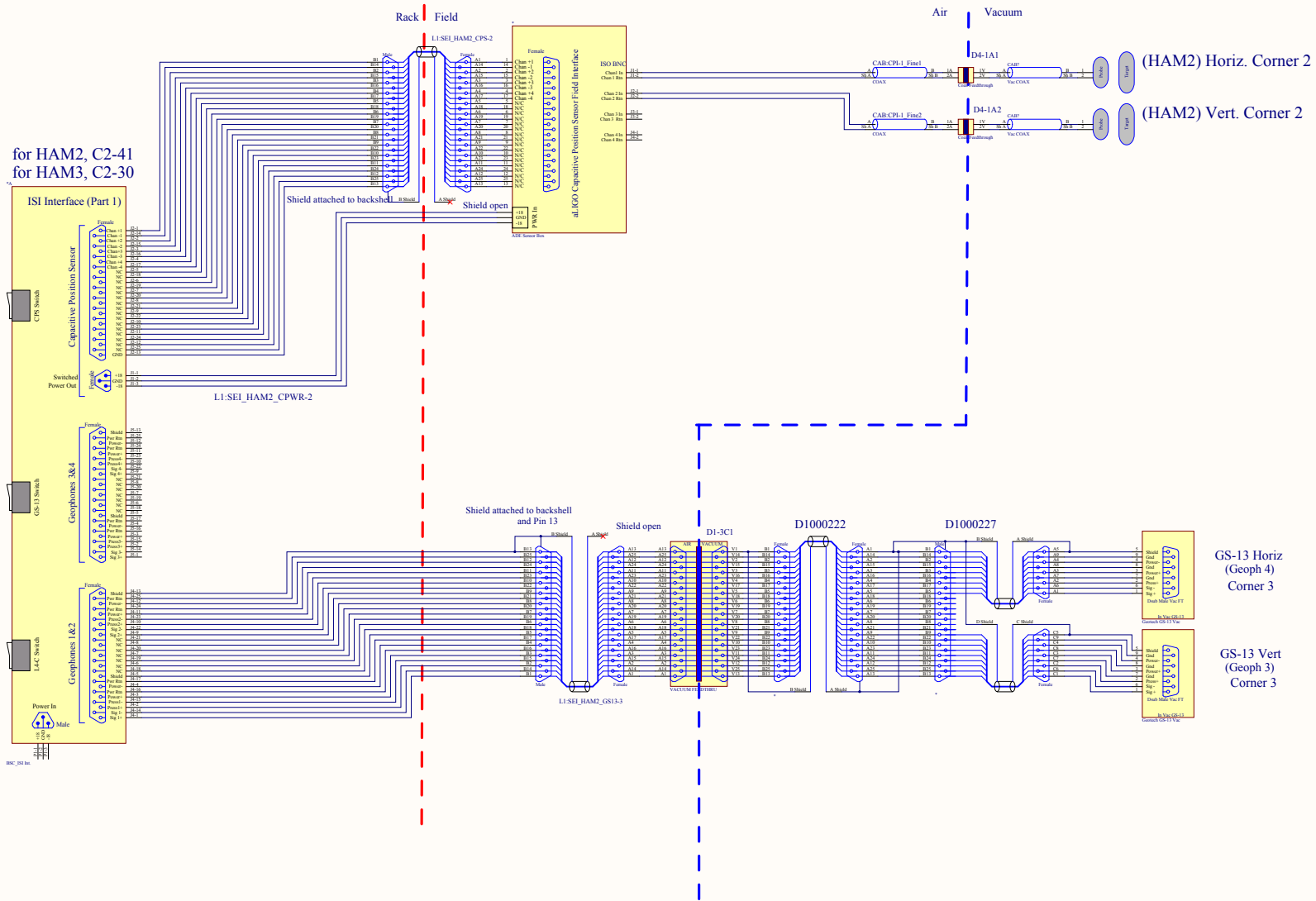
Geophones Corners 1&2 CPS Corners 1&3

for HAM2, C2-42
for HAM3, C2-31



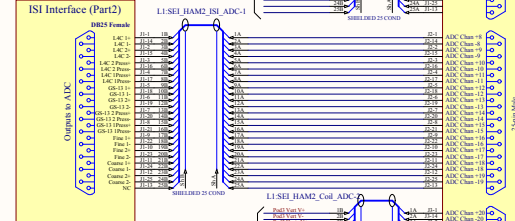
Geophones Corner 3 CPS Corner 2

for HAM2, C2-41
for HAM3, C2-30

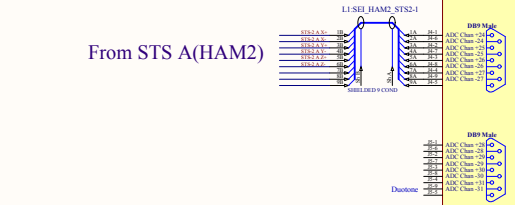
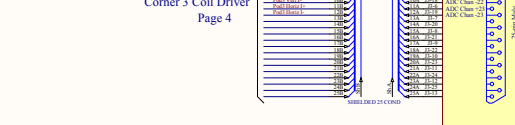


for HAM2, C2-39
for HAM3, C2-28

for HAM2, C2-42
for HAM3, C2-31



Corner 1&2 GS-13s
& 3 CPS Signals (Sheet 1)

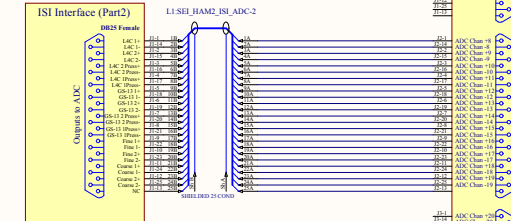


HAMs 2&3 ISI ADCs

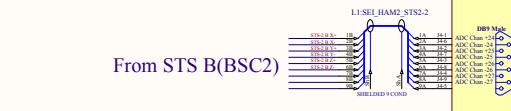
All shields on this page are tied to the Female Backshell only.

ADC Interface Card
for HAM2, ADC0
for HAM3, ADC2

for HAM2, C2-41
for HAM3, C2-30



Corner 3 Signals GS-13
2 CPS Signals (Sheet 1)



HAM 2

ADC 0 CH00	Post1 Vert V
ADC 0 CH01	Post1 Horiz V
ADC 0 CH02	Post2 Vert V
ADC 0 CH03	Post2 Horiz V
ADC 0 CH04	Post1 Vert I
ADC 0 CH05	Post1 Horiz I
ADC 0 CH06	Post2 Vert I
ADC 0 CH07	Post2 Horiz I
ADC 0 CH08	Can1 GS-13 V
ADC 0 CH09	Can1 GS-13 I
ADC 0 CH10	Can2 GS-13 V
ADC 0 CH11	Can2 GS-13 I
ADC 0 CH12	Can1 DMF GS13
ADC 0 CH13	Can1 Press GS13
ADC 0 CH14	Can1 DMF P GS13
ADC 0 CH15	Can2 Press GS13
ADC 0 CH16	Can1 CPS HI
ADC 0 CH17	Can1 CPS VI
ADC 0 CH18	Can2 CPS HI
ADC 0 CH19	Can2 CPS VI
ADC 0 CH20	Post3 Vert V
ADC 0 CH21	Post3 Horiz V
ADC 0 CH22	Post3 Vert I
ADC 0 CH23	Post3 Horiz I
ADC 0 CH24	STS-2 A X
ADC 0 CH25	STS-2 A Y
ADC 0 CH26	STS-2 A Z
ADC 0 CH27	STS-2 A X
ADC 0 CH28	STS-2 A Y
ADC 0 CH29	STS-2 A Z
ADC 0 CH30	Diablocs

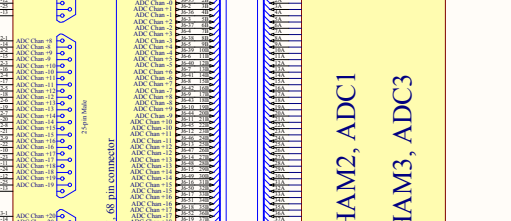
HAM 3

ADC 2 CH00	Post1 Vert V
ADC 2 CH01	Post1 Horiz V
ADC 2 CH02	Post2 Vert V
ADC 2 CH03	Post2 Horiz V
ADC 2 CH04	Post1 Vert I
ADC 2 CH05	Post1 Horiz I
ADC 2 CH06	Post2 Vert I
ADC 2 CH07	Post2 Horiz I
ADC 2 CH08	Can1 GS-13 V
ADC 2 CH09	Can1 GS-13 I
ADC 2 CH10	Can2 GS-13 V
ADC 2 CH11	Can2 GS-13 I
ADC 2 CH12	Can1 DMF GS13
ADC 2 CH13	Can1 Press GS13
ADC 2 CH14	Can1 DMF P GS13
ADC 2 CH15	Can2 Press GS13
ADC 2 CH16	Can1 CPS HI
ADC 2 CH17	Can1 CPS VI
ADC 2 CH18	Can2 CPS HI
ADC 2 CH19	Can2 CPS VI
ADC 2 CH20	Post3 Vert V
ADC 2 CH21	Post3 Horiz V
ADC 2 CH22	Post3 Vert I
ADC 2 CH23	Post3 Horiz I
ADC 2 CH24	STS-2 A X
ADC 2 CH25	STS-2 A Y
ADC 2 CH26	STS-2 A Z
ADC 2 CH27	STS-2 A X
ADC 2 CH28	STS-2 A Y
ADC 2 CH29	STS-2 A Z
ADC 2 CH30	Diablocs

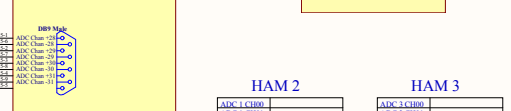
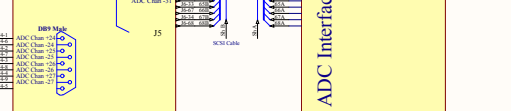
for HAM2, C2-38
for HAM3, C2-27



Corner 1&2 GS-13s
& 3 CPS Signals (Sheet 1)



Corner 3 Signals GS-13
2 CPS Signals (Sheet 1)

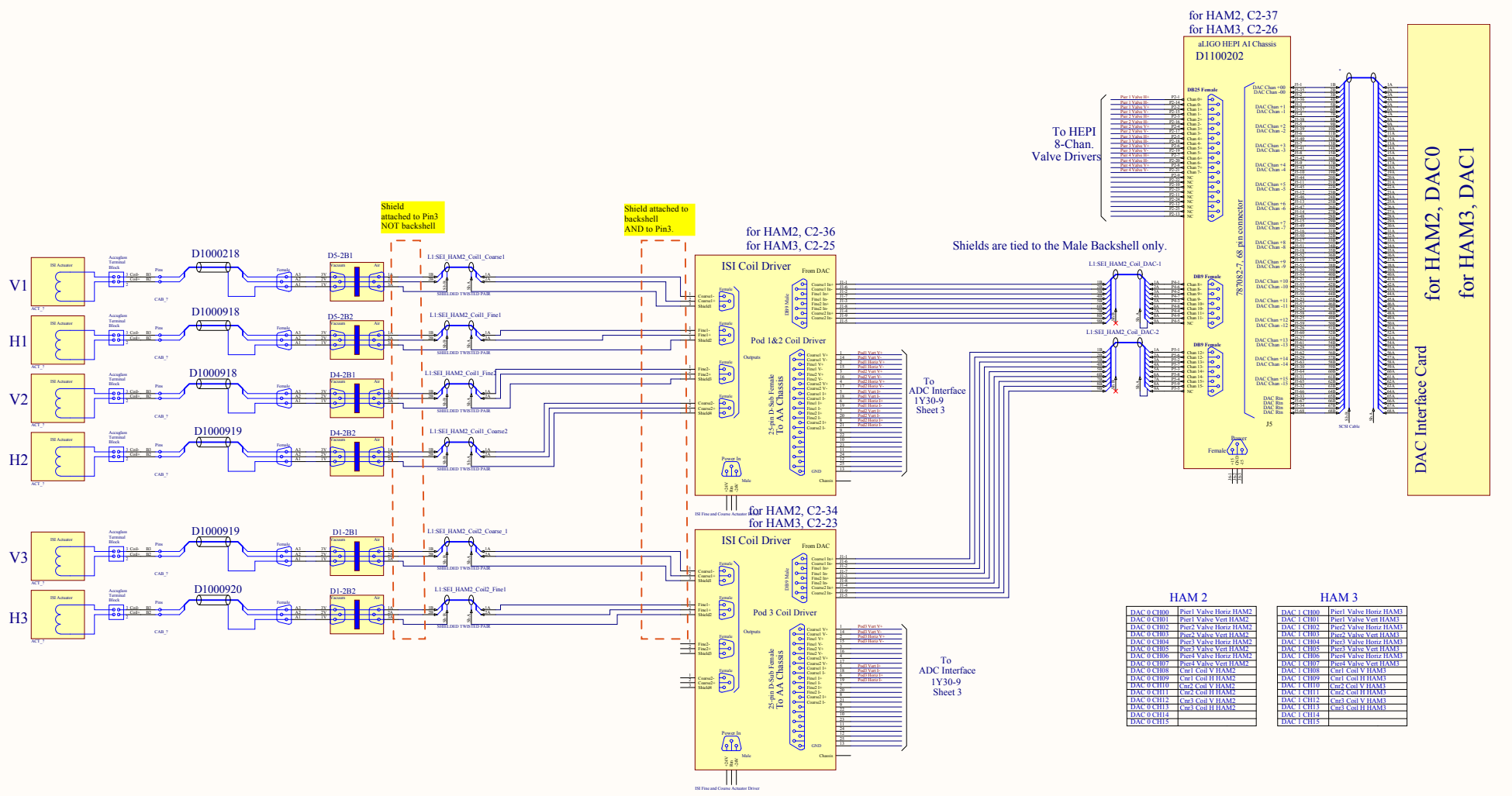


HAM 2

ADC 1 CH00	Post1 Vert V
ADC 1 CH01	Post1 Horiz V
ADC 1 CH02	Post2 Vert V
ADC 1 CH03	Post2 Horiz V
ADC 1 CH04	Post1 Vert I
ADC 1 CH05	Post1 Horiz I
ADC 1 CH06	Post2 Vert I
ADC 1 CH07	Post2 Horiz I
ADC 1 CH08	Can1 GS-13 V
ADC 1 CH09	Can1 GS-13 I
ADC 1 CH10	Can2 GS-13 V
ADC 1 CH11	Can2 GS-13 I
ADC 1 CH12	Can1 DMF GS13
ADC 1 CH13	Can1 Press GS13
ADC 1 CH14	Can1 DMF P GS13
ADC 1 CH15	Can2 Press GS13
ADC 1 CH16	Can1 CPS HI
ADC 1 CH17	Can1 CPS VI
ADC 1 CH18	Can2 CPS HI
ADC 1 CH19	Can2 CPS VI
ADC 1 CH20	Post3 Vert V
ADC 1 CH21	Post3 Horiz V
ADC 1 CH22	Post3 Vert I
ADC 1 CH23	Post3 Horiz I
ADC 1 CH24	STS-2 B X
ADC 1 CH25	STS-2 B Y
ADC 1 CH26	STS-2 B Z
ADC 1 CH27	STS-2 B X
ADC 1 CH28	STS-2 C X
ADC 1 CH29	STS-2 C Y
ADC 1 CH30	STS-2 C Z

HAM 3

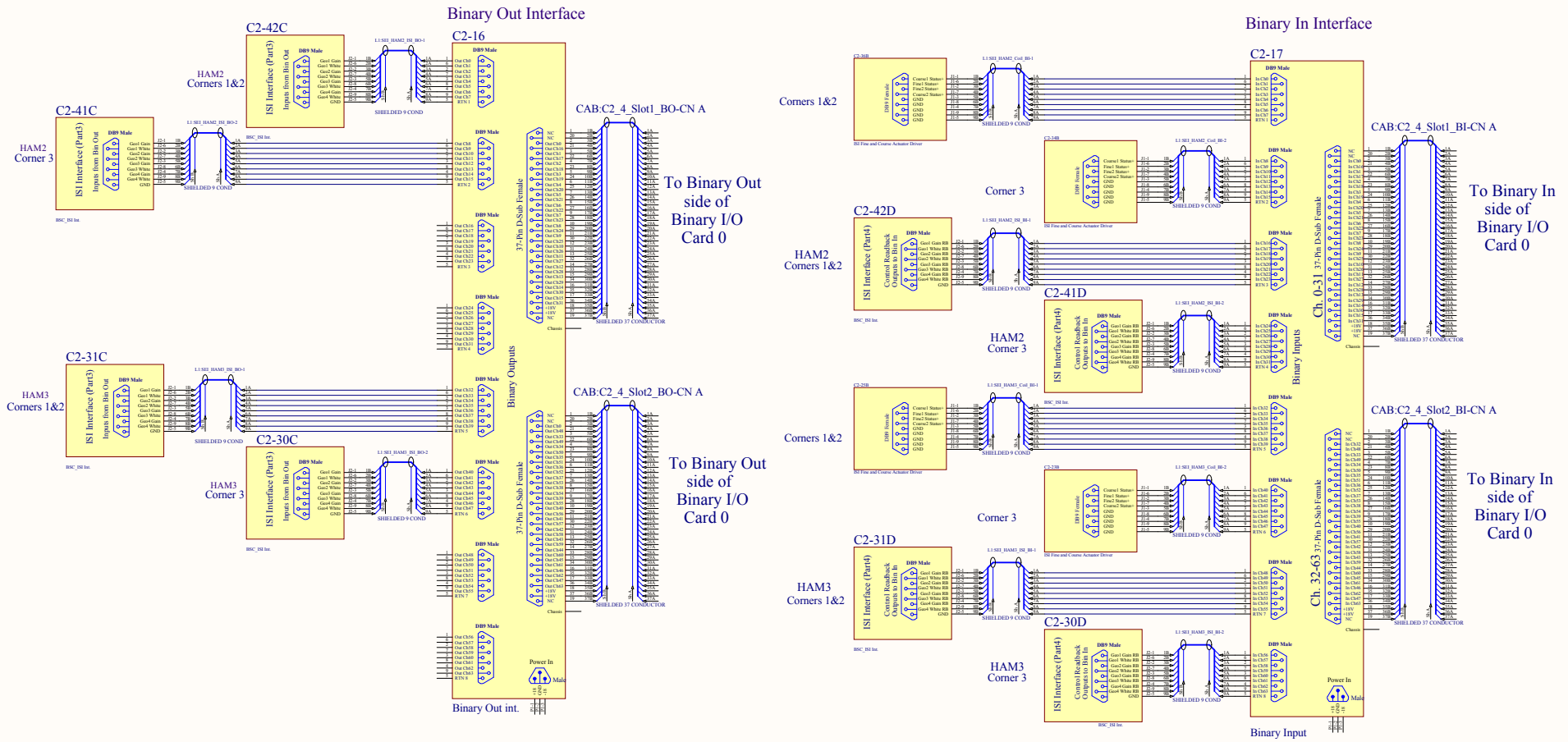
ADC 3 CH00	Post1 Vert V
ADC 3 CH01	Post1 Horiz V
ADC 3 CH02	Post2 Vert V
ADC 3 CH03	Post2 Horiz V
ADC 3 CH04	Post1 Vert I
ADC 3 CH05	Post1 Horiz I
ADC 3 CH06	Post2 Vert I
ADC 3 CH07	Post2 Horiz I
ADC 3 CH08	Can1 GS-13 V
ADC 3 CH09	Can1 GS-13 I
ADC 3 CH10	Can2 GS-13 V
ADC 3 CH11	Can2 GS-13 I
ADC 3 CH12	Can1 DMF GS13
ADC 3 CH13	Can1 Press GS13
ADC 3 CH14	Can1 DMF P GS13
ADC 3 CH15	Can2 Press GS13
ADC 3 CH16	Can1 CPS HI
ADC 3 CH17	Can1 CPS VI
ADC 3 CH18	Can2 CPS HI
ADC 3 CH19	Can2 CPS VI
ADC 3 CH20	Post3 Vert V
ADC 3 CH21	Post3 Horiz V
ADC 3 CH22	Post3 Vert I
ADC 3 CH23	Post3 Horiz I
ADC 3 CH24	STS-2 B X
ADC 3 CH25	STS-2 B Y
ADC 3 CH26	STS-2 B Z
ADC 3 CH27	STS-2 B X
ADC 3 CH28	STS-2 C X
ADC 3 CH29	STS-2 C Y
ADC 3 CH30	STS-2 C Z



DAC Interface Card
 for HAM2, DAC0
 for HAM3, DAC1

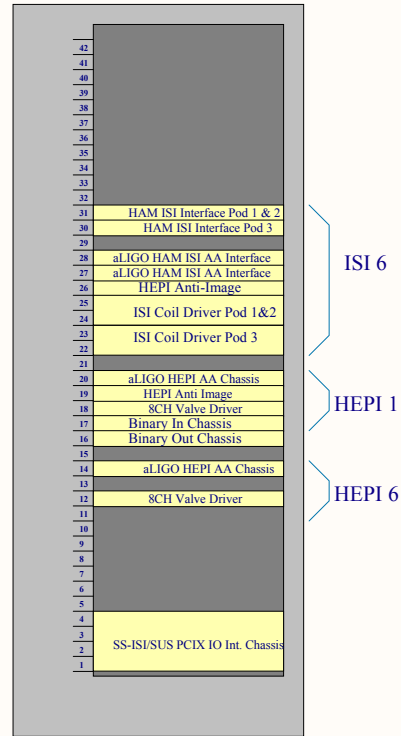
HAM 2		HAM 3	
DAC 0 CH00	Pier1 Valve Horiz HAM2	DAC 1 CH00	Pier1 Valve Horiz HAM3
DAC 0 CH01	Pier1 Valve Vert HAM2	DAC 1 CH01	Pier1 Valve Vert HAM3
DAC 0 CH02	Pier2 Valve Horiz HAM2	DAC 1 CH02	Pier2 Valve Horiz HAM3
DAC 0 CH03	Pier2 Valve Vert HAM2	DAC 1 CH03	Pier2 Valve Vert HAM3
DAC 0 CH04	Pier3 Valve Horiz HAM2	DAC 1 CH04	Pier3 Valve Horiz HAM3
DAC 0 CH05	Pier3 Valve Vert HAM2	DAC 1 CH05	Pier3 Valve Vert HAM3
DAC 0 CH06	Pier4 Valve Horiz HAM2	DAC 1 CH06	Pier4 Valve Horiz HAM3
DAC 0 CH07	Pier4 Valve Vert HAM2	DAC 1 CH07	Pier4 Valve Vert HAM3
DAC 0 CH08	Coil 1 V HAM2	DAC 1 CH08	Coil 1 V HAM3
DAC 0 CH09	Coil 1 H HAM2	DAC 1 CH09	Coil 1 H HAM3
DAC 0 CH10	Coil 2 V HAM2	DAC 1 CH10	Coil 2 V HAM3
DAC 0 CH11	Coil 2 H HAM2	DAC 1 CH11	Coil 2 H HAM3
DAC 0 CH12	Coil 3 V HAM2	DAC 1 CH12	Coil 3 V HAM3
DAC 0 CH13	Coil 3 H HAM2	DAC 1 CH13	Coil 3 H HAM3
DAC 0 CH14		DAC 1 CH14	
DAC 0 CH15		DAC 1 CH15	

All cables on this page are off-the-shelf L-COM cables

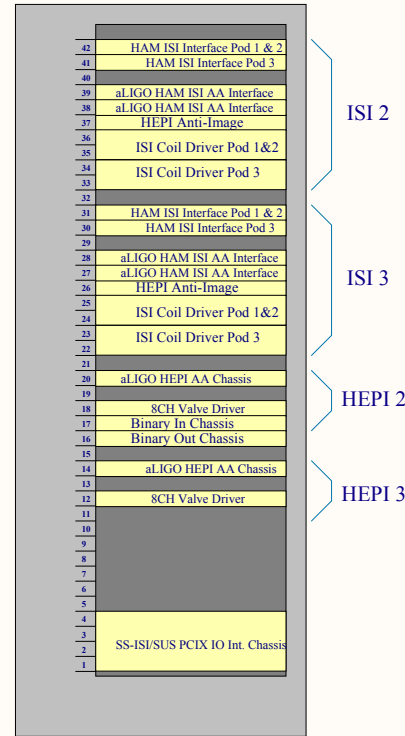


Per IFO	Per aLIGO x 3 IFOs + 1
HAM AA Chassis = 10	32
HEPI AA Chassis = 6	18
HEPI AI Chassis = 6	17
Filter Boards = 76	228
Binary In Chassis = 4	13
Binary Out Chassis = 3	10
BSC ISI Int. = 6	21
HAM ISI Int. = 6	20
8Ch. Valve = 6	19
Coil dvr. Chassis = 10	32

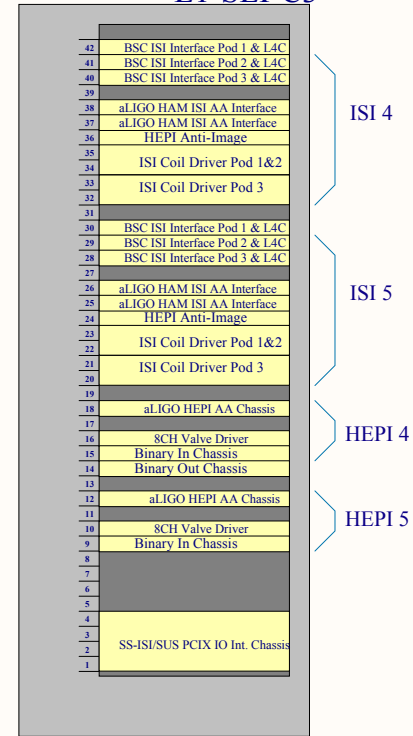
HAMs 1&6 L1-SEI-C1



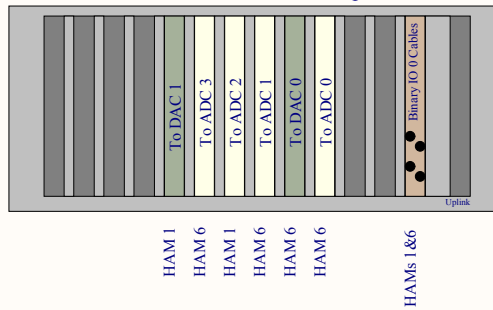
HAMs 2&3 L1-SEI-C2



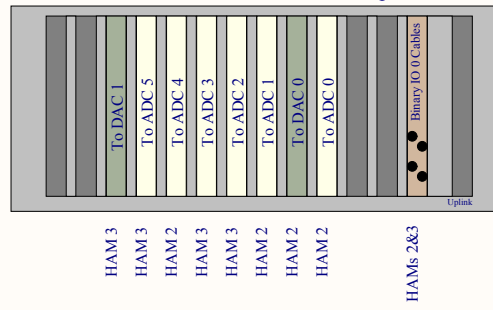
HAMs 4&5 L1-SEI-C3



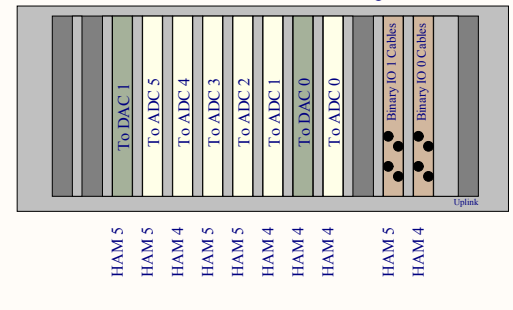
HAMs 1&6 IO Chassis Backplane

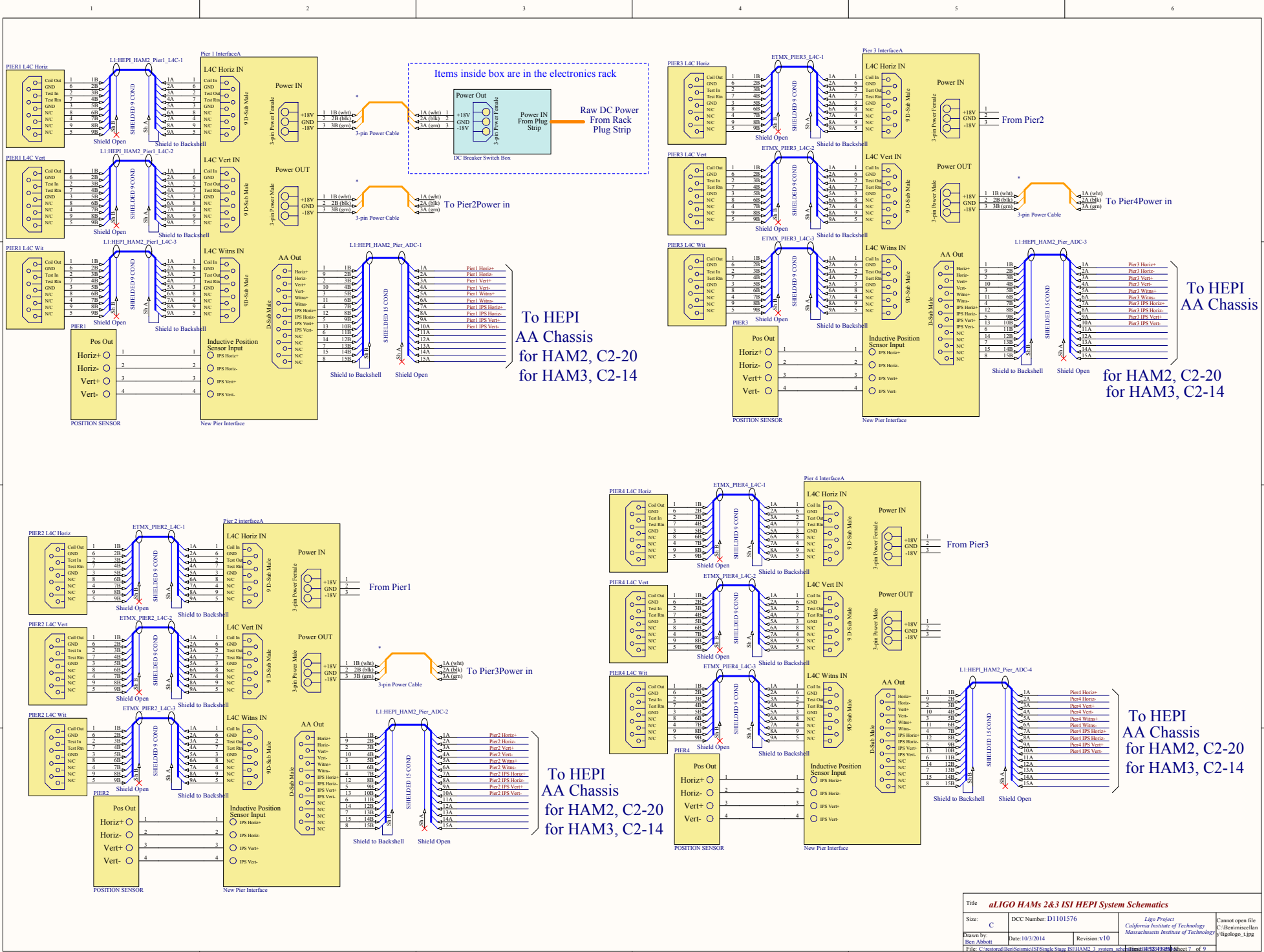


HAMs 2&3 IO Chassis Backplane



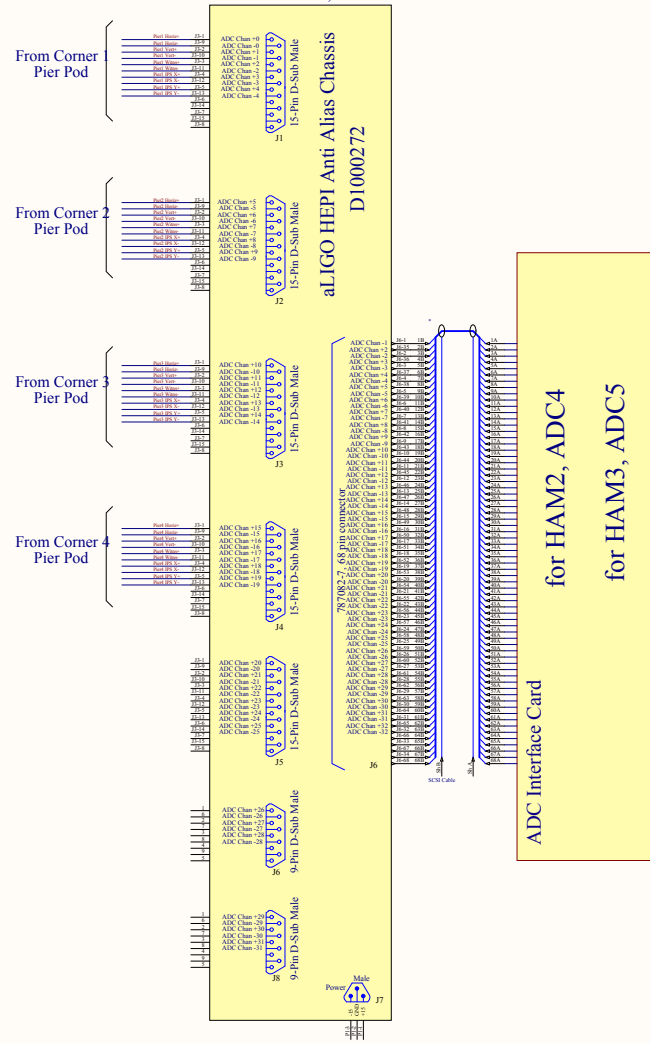
HAMs 4&5 IO Chassis Backplane





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for HAM2, C2-20
for HAM3, C2-14



HAM 2

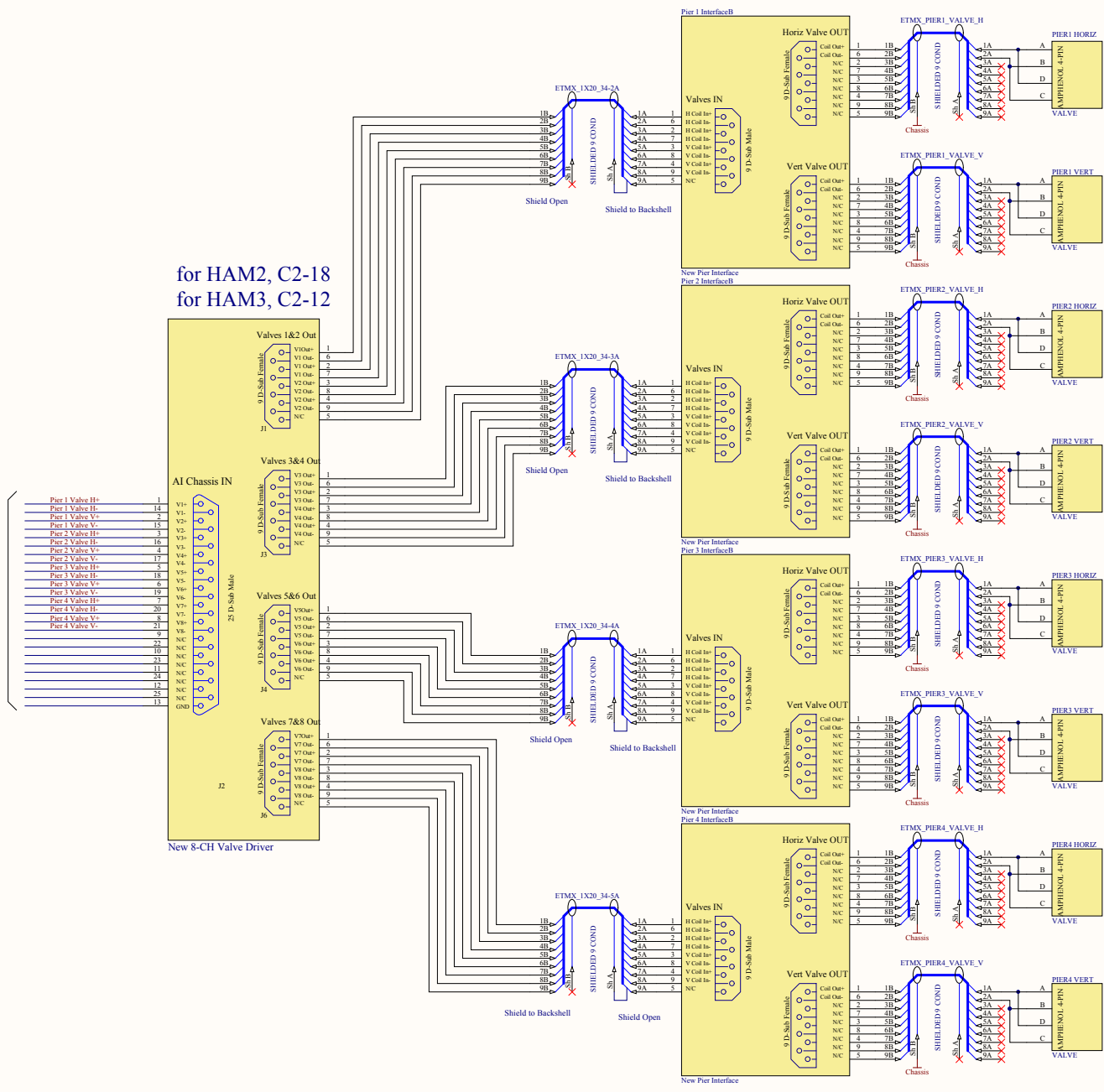
ADC 4 CH00	Pier1 Horiz
ADC 4 CH01	Pier1 Vert
ADC 4 CH02	Pier1 Wrt
ADC 4 CH03	Pier1 IPS Horiz
ADC 4 CH04	Pier1 IPS Vert
ADC 4 CH05	Pier2 Horiz
ADC 4 CH06	Pier2 Vert
ADC 4 CH07	Pier2 Wrt
ADC 4 CH08	Pier2 IPS Horiz
ADC 4 CH09	Pier2 IPS Vert
ADC 4 CH10	Pier3 Horiz
ADC 4 CH11	Pier3 Vert
ADC 4 CH12	Pier3 Wrt
ADC 4 CH13	Pier3 IPS Horiz
ADC 4 CH14	Pier3 IPS Vert
ADC 4 CH15	Pier4 Horiz
ADC 4 CH16	Pier4 Vert
ADC 4 CH17	Pier4 Wrt
ADC 4 CH18	Pier4 IPS Horiz
ADC 4 CH19	Pier4 IPS Vert
ADC 4 CH20	Pier4 Wrt
ADC 4 CH21	Pier4 IPS Horiz
ADC 4 CH22	Pier4 IPS Vert
ADC 4 CH23	Pier4 Wrt
ADC 4 CH24	Pier4 IPS Horiz
ADC 4 CH25	Pier4 IPS Vert
ADC 4 CH26	Pier4 Wrt
ADC 4 CH27	Pier4 IPS Horiz
ADC 4 CH28	Pier4 IPS Vert
ADC 4 CH29	Pier4 Wrt
ADC 4 CH30	Pier4 IPS Horiz
ADC 4 CH31	Pier4 IPS Vert

HAM 3

ADC 5 CH00	Pier1 Horiz
ADC 5 CH01	Pier1 Vert
ADC 5 CH02	Pier1 Wrt
ADC 5 CH03	Pier1 IPS Horiz
ADC 5 CH04	Pier1 IPS Vert
ADC 5 CH05	Pier2 Horiz
ADC 5 CH06	Pier2 Vert
ADC 5 CH07	Pier2 Wrt
ADC 5 CH08	Pier2 IPS Horiz
ADC 5 CH09	Pier2 IPS Vert
ADC 5 CH10	Pier3 Horiz
ADC 5 CH11	Pier3 Vert
ADC 5 CH12	Pier3 Wrt
ADC 5 CH13	Pier3 IPS Horiz
ADC 5 CH14	Pier3 IPS Vert
ADC 5 CH15	Pier4 Horiz
ADC 5 CH16	Pier4 Vert
ADC 5 CH17	Pier4 Wrt
ADC 5 CH18	Pier4 IPS Horiz
ADC 5 CH19	Pier4 IPS Vert
ADC 5 CH20	Pier4 Wrt
ADC 5 CH21	Pier4 IPS Horiz
ADC 5 CH22	Pier4 IPS Vert
ADC 5 CH23	Pier4 Wrt
ADC 5 CH24	Pier4 IPS Horiz
ADC 5 CH25	Pier4 IPS Vert
ADC 5 CH26	Pier4 Wrt
ADC 5 CH27	Pier4 IPS Horiz
ADC 5 CH28	Pier4 IPS Vert
ADC 5 CH29	Pier4 Wrt
ADC 5 CH30	Pier4 IPS Horiz
ADC 5 CH31	Pier4 IPS Vert

From AI Chassis
for HAM2, C2-37
for HAM3, C2-26
Page 4

for HAM2, C2-18
for HAM3, C2-12



Title ALIGO HAMS 2&3 ISI System Schematics			
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