GENERAL PHYSICAL LAYOUT:

- There are a total of 16 slots, designated 1 through 16, from left to right.
- Each slot is associated with a 96 pin Class 2 DIN (VME type) connector.
- Odd numbered slots are left handed (Connectors to the left of the card). These slots utilize inverse DIN connectors.
- Even numbered slots are right handed (Connectors to the right of the card). These slots utilize standard DIN connectors.
- The slots are logically grouped into 4 groups of 4 slots.
- The groups are designated A through D.
- Each group has 1 master slot, located at the left most slot of the group.
- Each group has 3 slave slots to right of the group's master slot.
- 5 layers (comp, gnd, pwr, gnd, sold)
- .125" thick.
- Mechanical layout presented in drawing number 3823.113-MD-330044.

VLPC POWER:

- Each group is supplied with dedicated VLPC bias power, designated VLPC[A..D] BIAS and VLPC[A..D] GND.
- The VLPC bias power for each group originates from a BNC PC Mount Recepticle, Amphenol Part # 31-5329 of equivilent, located on the rear of the backplane, designated VLPC[A..D] BIAS.

1553 SIGNAL:

- The +1553/-1553 signal pair is bussed across the backplane to each slot, entering/leaving via a Female Traix PC Board Recepticle, Trompeter Electronics Part # CBJ157 or equivilent, located at the right/left side of the rear of the backplane.
- The Triax connector on the right is designated 1553R.
- The Triax connector on the left is designated 1553L.
- The Triax shield shall be routed from 1553R to 1553L such that shielding of the +1553/-1553 signal pairs is maintained to the greatest extent possible. The shield is not connected to any DIN connectors.

SVX SIGNAL LINES:

- Each group has a total of 48 SVX signal lines, designated SVX[A..D][0..47].
- The signals SVX[A..D][0..47] originate from the master slot of a given group, connecting 16 signals to each slave in a given group.
- These conductors shall be implemented as 100 ohm microstip above ground plane.
- These conductors are NOT terminated on the backplane.

UTILITY SIGNAL LINES:

- Each group has a total 48 utility signal lines, designated UTILITY[A..D][0..47].
- The signals SVX[A..D][0..47] are bussed across the 4 slots of a given group.
- The signals SVX[A..D] are terminated at the right most slot in the group with the circuit shown in figure 1.
- These conductors shall be implemented as 100 ohm microstip above ground plane.

DC POWER:

- Each slot is supplied with +5 and -5.2 volts.

- +5V, -5.2V and GND originates at rear of the backplane via press-in power terminals. Their locations are shown in drawing number 3823.113-MD-330044 .
- Power shall be bypassed at 3 locations with a 10uF tantalum capacitor in parallel with a .01uF 100V ceramic capacitor. The locations are shown in drawing number 3823.113-MD-330044.
- Ampacity per slot = 4.8 amps (5 volt supply), 2.4 amps (-5.2 volt supply).
- Ampacity required for backplane = 76.8 amps (5 volt supply), 38.4 amps (-5.2 volt supply).

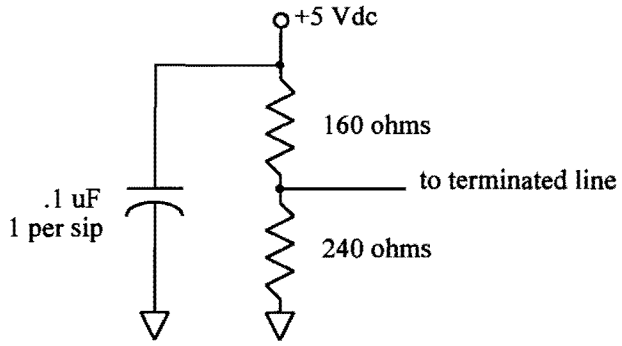

figure 1 - backplane termination network

DIN CONNECTOR CONFIGURATIONS:

	SLOT 1				SLOT 2		
		J1				J3	
		GROUP A				GROUP A	
		Master				Slave	
	A	B	C		A	B	C
1	SVXA32	SVXA16	SVXA0	1	SVXA0		
2	SVXA33	SVXA17	SVXA1	2	SVXA1		
3	SVXA34	SVXA18	SVXA2	3	SVXA2		
4	SVXA35	SVXA19	SVXA3	4	SVXA3		
5	SVXA36	SVXA20	SVXA4	5	SVXA4		
6	SVXA37	SVXA21	SVXA5	6	SVXA5		
7	SVXA38	SVXA22	SVXA6	7	SVXA6		
8	SVXA39	SVXA23	SVXA7	8	SVXA7		
9	SVXA40	SVXA24	SVXA8	9	SVXA8		
10	SVXA41	SVXA25	SVXA9	10	SVXA9		
11	SVXA42	SVXA26	SVXA10	11	SVXA10		
12	SVXA43	SVXA27	SVXA11	12	SVXA11		
13	SVXA44	SVXA28	SVXA12	13	SVXA12		
14	SVXA45	SVXA29	SVXA13	14	SVXA13		
15	SVXA46	SVXA30	SVXA14	15	SVXA14		
16	SVXA47	SVXA31	SVXA15	16	SVXA15		
17	UTILITYA22	UTILITYA11	UTILITYA0	17	UTILITYA22	UTILITYA11	UTILITYA0
18	UTILITYA23	UTILITYA12	UTILITYA1	18	UTILITYA23	UTILITYA12	UTILITYA1
19	UTILITYA24	UTILITYA13	UTILITYA2	19	UTILITYA24	UTILITYA13	UTILITYA2
20	UTILITYA25	UTILITYA14	UTILITYA3	20	UTILITYA25	UTILITYA14	UTILITYA3
21	UTILITYA26	UTILITYA15	UTILITYA4	21	UTILITYA26	UTILITYA15	UTILITYA4
22	UTILITYA27	UTILITYA16	UTILITYA5	22	UTILITYA27	UTILITYA16	UTILITYA5
23	UTILITYA28	UTILITYA17	UTILITYA6	23	UTILITYA28	UTILITYA17	UTILITYA6
24	UTILITYA29	UTILITYA18	UTILITYA7	24	UTILITYA29	UTILITYA18	UTILITYA7
25	UTILITYA30	UTILITYA19	UTILITYA8	25	UTILITYA30	UTILITYA19	UTILITYA8
26	UTILITYA31	UTILITYA20	UTILITYA9	26	UTILITYA31	UTILITYA20	UTILITYA9
27	-5.2V	UTILITYA21	UTILITYA10	27	-5.2V	UTILITYA21	UTILITYA10
28	-5.2V	GND	+1553	28	-5.2V	GND	+1553
29	+5V	GND	-1553	29	+5V	GND	-1553
30	+5V	GND	GND	30	+5V	GND	GND
31	+5V	GND	VLPCA BIAS	31	+5V	GND	VLPCA BIAS
32	+5V	GND	VLPCA GND	32	+5V	GND	VLPCA GND

	SLOT 3				SLOT 4		
		J2				J4	
		GROUP A				GROUP A	
		Slave				Slave	
	A	B	C		A	B	C
1	SVXA16			1	SVXA32		
2	SVXA17			2	SVXA33		
3	SVXA18			3	SVXA34		
4	SVXA19			4	SVXA35		
5	SVXA20			5	SVXA36		
6	SVXA21			6	SVXA37		
7	SVXA22			7	SVXA38		
8	SVXA23			8	SVXA39		
9	SVXA24			9	SVXA40		
10	SVXA25			10	SVXA41		
11	SVXA26			11	SVXA42		
12	SVXA27			12	SVXA43		
13	SVXA28			13	SVXA44		
14	SVXA29			14	SVXA45		
15	SVXA30			15	SVXA46		
16	SVXA31			16	SVXA47		
17	UTILITYA22	UTILITYA11	UTILITYA0	17	UTILITYA22 (1)	UTILITYA11 (1)	UTILITYA0 (1)
18	UTILITYA23	UTILITYA12	UTILITYA1	18	UTILITYA23 (1)	UTILITYA12 (1)	UTILITYA1 (1)
19	UTILITYA24	UTILITYA13	UTILITYA2	19	UTILITYA24 (1)	UTILITYA13 (1)	UTILITYA2 (1)
20	UTILITYA25	UTILITYA14	UTILITYA3	20	UTILITYA25 (1)	UTILITYA14 (1)	UTILITYA3 (1)
21	UTILITYA26	UTILITYA15	UTILITYA4	21	UTILITYA26 (1)	UTILITYA15 (1)	UTILITYA4 (1)
22	UTILITYA27	UTILITYA16	UTILITYA5	22	UTILITYA27 (1)	UTILITYA16 (1)	UTILITYA5 (1)
23	UTILITYA28	UTILITYA17	UTILITYA6	23	UTILITYA28 (1)	UTILITYA17 (1)	UTILITYA6 (1)
24	UTILITYA29	UTILITYA18	UTILITYA7	24	UTILITYA29 (1)	UTILITYA18 (1)	UTILITYA7 (1)
25	UTILITYA30	UTILITYA19	UTILITYA8	25	UTILITYA30 (1)	UTILITYA19 (1)	UTILITYA8 (1)
26	UTILITYA31	UTILITYA20	UTILITYA9	26	UTILITYA31 (1)	UTILITYA20 (1)	UTILITYA9 (1)
27	-5.2V	UTILITYA21	UTILITYA10	27	-5.2V	UTILITYA21	UTILITYA10
28	-5.2V	GND	+1553	28	-5.2V	GND	+1553
29	+5V	GND	-1553	29	+5V	GND	-1553
30	+5V	GND	GND	30	+5V	GND	GND
31	+5V	GND	VLPCA BIAS	31	+5V	GND	VLPCA BIAS
32	+5V	GND	VLPCA GND	32	+5V	GND	VLPCA GND

SLOT 5
J8
GROUP B
Master

	A	B	C
1	SVXB32	SVXB16	SVXB0
2	SVXB33	SVXB17	SVXB1
3	SVXB34	SVXB18	SVXB2
4	SVXB35	SVXB19	SVXB3
5	SVXB36	SVXB20	SVXB4
6	SVXB37	SVXB21	SVXB5
7	SVXB38	SVXB22	SVXB6
8	SVXB39	SVXB23	SVXB7
9	SVXB40	SVXB24	SVXB8
10	SVXB41	SVXB25	SVXB9
11	SVXB42	SVXB26	SVXB10
12	SVXB43	SVXB27	SVXB11
13	SVXB44	SVXB28	SVXB12
14	SVXB45	SVXB29	SVXB13
15	SVXB46	SVXB30	SVXB14
16	SVXB47	SVXB31	SVXB15
17	UTILITYB22	UTILITYB11	UTILITYB0
18	UTILITYB23	UTILITYB12	UTILITYB1
19	UTILITYB24	UTILITYB13	UTILITYB2
20	UTILITYB25	UTILITYB114	UTILITYB3
21	UTILITYB26	UTILITYB15	UTILITYB4
22	UTILITYB27	UTILITYB16	UTILITYB5
23	UTILITYB28	UTILITYB17	UTILITYB6
24	UTILITYB29	UTILITYB18	UTILITYB7
25	UTILITYB30	UTILITYB19	UTILITYB8
26	UTILITYB31	UTILITYB20	UTILITYB9
27	-5.2V	UTILITYA21	UTILITYA10
28	-5.2V	GND	+1553
29	+5V	GND	-1553
30	+5V	GND	GND
31	+5V	GND	VLPCB BIAS
32	+5V	GND	VLPCB GND

SLOT 6
J9
GROUP B
Slave

	A	B	C
1	SVXB0		
2	SVXB1		
3	SVXB2		
4	SVXB3		
5	SVXB4		
6	SVXB5		
7	SVXB6		
8	SVXB7		
9	SVXB8		
10	SVXB9		
11	SVXB10		
12	SVXB11		
13	SVXB12		
14	SVXB13		
15	SVXB14		
16	SVXB15		
17	UTILITYB22	UTILITYB11	UTILITYB0
18	UTILITYB23	UTILITYB12	UTILITYB1
19	UTILITYB24	UTILITYB13	UTILITYB2
20	UTILITYB25	UTILITYB114	UTILITYB3
21	UTILITYB26	UTILITYB15	UTILITYB4
22	UTILITYB27	UTILITYB16	UTILITYB5
23	UTILITYB28	UTILITYB17	UTILITYB6
24	UTILITYB29	UTILITYB18	UTILITYB7
25	UTILITYB30	UTILITYB19	UTILITYB8
26	UTILITYB31	UTILITYB20	UTILITYB9
27	-5.2V	UTILITYA21	UTILITYA10
28	-5.2V	GND	+1553
29	+5V	GND	-1553
30	+5V	GND	GND
31	+5V	GND	VLPCB BIAS
32	+5V	GND	VLPCB GND

SLOT 7
J7
GROUP B
Slave

	A	B	C
1	SVXB16		
2	SVXB17		
3	SVXB18		
4	SVXB19		
5	SVXB20		
6	SVXB21		
7	SVXB22		
8	SVXB23		
9	SVXB24		
10	SVXB25		
11	SVXB26		
12	SVXB27		
13	SVXB28		
14	SVXB29		
15	SVXB30		
16	SVXB31		
17	UTILITYB22	UTILITYB11	UTILITYB0
18	UTILITYB23	UTILITYB12	UTILITYB1
19	UTILITYB24	UTILITYB13	UTILITYB2
20	UTILITYB25	UTILITYB114	UTILITYB3
21	UTILITYB26	UTILITYB15	UTILITYB4
22	UTILITYB27	UTILITYB16	UTILITYB5
23	UTILITYB28	UTILITYB17	UTILITYB6
24	UTILITYB29	UTILITYB18	UTILITYB7
25	UTILITYB30	UTILITYB19	UTILITYB8
26	UTILITYB31	UTILITYB20	UTILITYB9
27	-5.2V	UTILITYA21	UTILITYA10
28	-5.2V	GND	+1553
29	+5V	GND	-1553
30	+5V	GND	GND
31	+5V	GND	VLPCB BIAS
32	+5V	GND	VLPCB GND

SLOT 8
J6
GROUP B
Slave

	A	B	C
1	SVXB32		
2	SVXB33		
3	SVXB34		
4	SVXB35		
5	SVXB36		
6	SVXB37		
7	SVXB38		
8	SVXB39		
9	SVXB40		
10	SVXB41		
11	SVXB42		
12	SVXB43		
13	SVXB44		
14	SVXB45		
15	SVXB46		
16	SVXB47		
17	UTILITYB22 (1)	UTILITYB11 (1)	UTILITYB0 (1)
18	UTILITYB23 (1)	UTILITYB12 (1)	UTILITYB1 (1)
19	UTILITYB24 (1)	UTILITYB13 (1)	UTILITYB2 (1)
20	UTILITYB25 (1)	UTILITYB14 (1)	UTILITYB3 (1)
21	UTILITYB26 (1)	UTILITYB15 (1)	UTILITYB4 (1)
22	UTILITYB27 (1)	UTILITYB16 (1)	UTILITYB5 (1)
23	UTILITYB28 (1)	UTILITYB17 (1)	UTILITYB6 (1)
24	UTILITYB29 (1)	UTILITYB18 (1)	UTILITYB7 (1)
25	UTILITYB30 (1)	UTILITYB19 (1)	UTILITYB8 (1)
26	UTILITYB31 (1)	UTILITYB20 (1)	UTILITYB9 (1)
27	-5.2V	UTILITYA21	UTILITYA10
28	-5.2V	GND	+1553
29	+5V	GND	-1553
30	+5V	GND	GND
31	+5V	GND	VLPCB BIAS
32	+5V	GND	VLPCB GND

SLOT 9
J9
GROUP C
Master

	A	B	C
1	SVXC32	SVXC16	SVXC0
2	SVXC33	SVXC17	SVXC1
3	SVXC34	SVXC18	SVXC2
4	SVXC35	SVXC19	SVXC3
5	SVXC36	SVXC20	SVXC4
6	SVXC37	SVXC21	SVXC5
7	SVXC38	SVXC22	SVXC6
8	SVXC39	SVXC23	SVXC7
9	SVXC40	SVXC24	SVXC8
10	SVXC41	SVXC25	SVXC9
11	SVXC42	SVXC26	SVXC10
12	SVXC43	SVXC27	SVXC11
13	SVXC44	SVXC28	SVXC12
14	SVXC45	SVXC29	SVXC13
15	SVXC46	SVXC30	SVXC14
16	SVXC47	SVXC31	SVXC15
17	UTILITYC22	UTILITYC11	UTILITYC0
18	UTILITYC23	UTILITYC12	UTILITYC1
19	UTILITYC24	UTILITYC13	UTILITYC2
20	UTILITYC25	UTILITYC14	UTILITYC3
21	UTILITYC26	UTILITYC15	UTILITYC4
22	UTILITYC27	UTILITYC16	UTILITYC5
23	UTILITYC28	UTILITYC17	UTILITYC6
24	UTILITYC29	UTILITYC18	UTILITYC7
25	UTILITYC30	UTILITYC19	UTILITYC8
26	UTILITYC31	UTILITYC20	UTILITYC9
27	-5.2V	UTILITYA21	UTILITYA10
28	-5.2V	GND	+1553
29	+5V	GND	-1553
30	+5V	GND	GND
31	+5V	GND	VLPCC BIAS
32	+5V	GND	VLPCC GND

SLOT 10
J10
GROUP C
Slave

	A	B	C
1	SVXC0		
2	SVXC1		
3	SVXC2		
4	SVXC3		
5	SVXC4		
6	SVXC5		
7	SVXC6		
8	SVXC7		
9	SVXC8		
10	SVXC9		
11	SVXC10		
12	SVXC11		
13	SVXC12		
14	SVXC13		
15	SVXC14		
16	SVXC15		
17	UTILITYC22	UTILITYC11	UTILITYC0
18	UTILITYC23	UTILITYC12	UTILITYC1
19	UTILITYC24	UTILITYC13	UTILITYC2
20	UTILITYC25	UTILITYC14	UTILITYC3
21	UTILITYC26	UTILITYC15	UTILITYC4
22	UTILITYC27	UTILITYC16	UTILITYC5
23	UTILITYC28	UTILITYC17	UTILITYC6
24	UTILITYC29	UTILITYC18	UTILITYC7
25	UTILITYC30	UTILITYC19	UTILITYC8
26	UTILITYC31	UTILITYC20	UTILITYC9
27	-5.2V	UTILITYA21	UTILITYA10
28	-5.2V	GND	+1553
29	+5V	GND	-1553
30	+5V	GND	GND
31	+5V	GND	VLPCC BIAS
32	+5V	GND	VLPCC GND

SLOT 11
J11
GROUP C
Slave

	A	B	C
1	SVXC16		
2	SVXC17		
3	SVXC18		
4	SVXC19		
5	SVXC20		
6	SVXC21		
7	SVXC22		
8	SVXC23		
9	SVXC24		
10	SVXC25		
11	SVXC26		
12	SVXC27		
13	SVXC28		
14	SVXC29		
15	SVXC30		
16	SVXC31		
17	UTILITYC22	UTILITYC11	UTILITYC0
18	UTILITYC23	UTILITYC12	UTILITYC1
19	UTILITYC24	UTILITYC13	UTILITYC2
20	UTILITYC25	UTILITYC14	UTILITYC3
21	UTILITYC26	UTILITYC15	UTILITYC4
22	UTILITYC27	UTILITYC16	UTILITYC5
23	UTILITYC28	UTILITYC17	UTILITYC6
24	UTILITYC29	UTILITYC18	UTILITYC7
25	UTILITYC30	UTILITYC19	UTILITYC8
26	UTILITYC31	UTILITYC20	UTILITYC9
27	-5.2V	UTILITYA21	UTILITYA10
28	-5.2V	GND	+1553
29	+5V	GND	-1553
30	+5V	GND	GND
31	+5V	GND	VLPCC BIAS
32	+5V	GND	VLPCC GND

SLOT 12
J12
GROUP C
Slave

	A	B	C
1	SVXC32		
2	SVXC33		
3	SVXC34		
4	SVXC35		
5	SVXC36		
6	SVXC37		
7	SVXC38		
8	SVXC39		
9	SVXC40		
10	SVXC41		
11	SVXC42		
12	SVXC43		
13	SVXC44		
14	SVXC45		
15	SVXC46		
16	SVXC47		
17	UTILITYC22 (1)	UTILITYC11 (1)	UTILITYC0 (1)
18	UTILITYC23 (1)	UTILITYC12 (1)	UTILITYC1 (1)
19	UTILITYC24 (1)	UTILITYC13 (1)	UTILITYC2 (1)
20	UTILITYC25 (1)	UTILITYC14 (1)	UTILITYC3 (1)
21	UTILITYC26 (1)	UTILITYC15 (1)	UTILITYC4 (1)
22	UTILITYC27 (1)	UTILITYC16 (1)	UTILITYC5 (1)
23	UTILITYC28 (1)	UTILITYC17 (1)	UTILITYC6 (1)
24	UTILITYC29 (1)	UTILITYC18 (1)	UTILITYC7 (1)
25	UTILITYC30 (1)	UTILITYC19 (1)	UTILITYC8 (1)
26	UTILITYC31 (1)	UTILITYC20 (1)	UTILITYC9 (1)
27	-5.2V	UTILITYA21	UTILITYA10
28	-5.2V	GND	+1553
29	+5V	GND	-1553
30	+5V	GND	GND
31	+5V	GND	VLPCC BIAS
32	+5V	GND	VLPCC GND

SLOT 13
J13
GROUP D
Master

	A	B	C
1	SVXD32	SVXD16	SVXD0
2	SVXD33	SVXD17	SVXD1
3	SVXD34	SVXD18	SVXD2
4	SVXD35	SVXD19	SVXD3
5	SVXD36	SVXD20	SVXD4
6	SVXD37	SVXD21	SVXD5
7	SVXD38	SVXD22	SVXD6
8	SVXD39	SVXD23	SVXD7
9	SVXD40	SVXD24	SVXD8
10	SVXD41	SVXD25	SVXD9
11	SVXD42	SVXD26	SVXD10
12	SVXD43	SVXD27	SVXD11
13	SVXD44	SVXD28	SVXD12
14	SVXD45	SVXD29	SVXD13
15	SVXD46	SVXD30	SVXD14
16	SVXD47	SVXD31	SVXD15
17	UTILITYD22	UTILITYD11	UTILITYD0
18	UTILITYD23	UTILITYD12	UTILITYD1
19	UTILITYD24	UTILITYD13	UTILITYD2
20	UTILITYD25	UTILITYD14	UTILITYD3
21	UTILITYD26	UTILITYD15	UTILITYD4
22	UTILITYD27	UTILITYD16	UTILITYD5
23	UTILITYD28	UTILITYD17	UTILITYD6
24	UTILITYD29	UTILITYD18	UTILITYD7
25	UTILITYD30	UTILITYD19	UTILITYD8
26	UTILITYD31	UTILITYD20	UTILITYD9
27	-5.2V	UTILITYA21	UTILITYA10
28	-5.2V	GND	+1553
29	+5V	GND	-1553
30	+5V	GND	GND
31	+5V	GND	VLPCD BIAS
32	+5V	GND	VLPCD GND

SLOT 14
J14
GROUP D
Slave

	A	B	C
1	SVXD0		
2	SVXD1		
3	SVXD2		
4	SVXD3		
5	SVXD4		
6	SVXD5		
7	SVXD6		
8	SVXD7		
9	SVXD8		
10	SVXD9		
11	SVXD10		
12	SVXD11		
13	SVXD12		
14	SVXD13		
15	SVXD14		
16	SVXD15		
17	UTILITYD22	UTILITYD11	UTILITYD0
18	UTILITYD23	UTILITYD12	UTILITYD1
19	UTILITYD24	UTILITYD13	UTILITYD2
20	UTILITYD25	UTILITYD14	UTILITYD3
21	UTILITYD26	UTILITYD15	UTILITYD4
22	UTILITYD27	UTILITYD16	UTILITYD5
23	UTILITYD28	UTILITYD17	UTILITYD6
24	UTILITYD29	UTILITYD18	UTILITYD7
25	UTILITYD30	UTILITYD19	UTILITYD8
26	UTILITYD31	UTILITYD20	UTILITYD9
27	-5.2V	UTILITYA21	UTILITYA10
28	-5.2V	GND	+1553
29	+5V	GND	-1553
30	+5V	GND	GND
31	+5V	GND	VLPCD BIAS
32	+5V	GND	VLPCD GND

SLOT 15
J15
GROUP D
Slave

	A	B	C
1	SVXD16		
2	SVXD17		
3	SVXD18		
4	SVXD19		
5	SVXD20		
6	SVXD21		
7	SVXD22		
8	SVXD23		
9	SVXD24		
10	SVXD25		
11	SVXD26		
12	SVXD27		
13	SVXD28		
14	SVXD29		
15	SVXD30		
16	SVXD31		
17	UTILITYD22	UTILITYD11	UTILITYD0
18	UTILITYD23	UTILITYD12	UTILITYD1
19	UTILITYD24	UTILITYD13	UTILITYD2
20	UTILITYD25	UTILITYD14	UTILITYD3
21	UTILITYD26	UTILITYD15	UTILITYD4
22	UTILITYD27	UTILITYD16	UTILITYD5
23	UTILITYD28	UTILITYD17	UTILITYD6
24	UTILITYD29	UTILITYD18	UTILITYD7
25	UTILITYD30	UTILITYD19	UTILITYD8
26	UTILITYD31	UTILITYD20	UTILITYD9
27	-5.2V	UTILITYA21	UTILITYA10
28	-5.2V	GND	+1553
29	+5V	GND	-1553
30	+5V	GND	GND
31	+5V	GND	VLPCD BIAS
32	+5V	GND	VLPCD GND

SLOT 16
J16
GROUP D
Slave

	A	B	C
1	SVXD32		
2	SVXD33		
3	SVXD34		
4	SVXD35		
5	SVXD36		
6	SVXD37		
7	SVXD38		
8	SVXD39		
9	SVXD40		
10	SVXD41		
11	SVXD42		
12	SVXD43		
13	SVXD44		
14	SVXD45		
15	SVXD46		
16	SVXD47		
17	UTILITYD22 (1)	UTILITYD11 (1)	UTILITYD0 (1)
18	UTILITYD23 (1)	UTILITYD12 (1)	UTILITYD1 (1)
19	UTILITYD24 (1)	UTILITYD13 (1)	UTILITYD2 (1)
20	UTILITYD25 (1)	UTILITYD14 (1)	UTILITYD3 (1)
21	UTILITYD26 (1)	UTILITYD15 (1)	UTILITYD4 (1)
22	UTILITYD27 (1)	UTILITYD16 (1)	UTILITYD5 (1)
23	UTILITYD28 (1)	UTILITYD17 (1)	UTILITYD6 (1)
24	UTILITYD29 (1)	UTILITYD18 (1)	UTILITYD7 (1)
25	UTILITYD30 (1)	UTILITYD19 (1)	UTILITYD8 (1)
26	UTILITYD31 (1)	UTILITYD20 (1)	UTILITYD9 (1)
27	-5.2V	UTILITYA21	UTILITYA10
28	-5.2V	GND	+1553
29	+5V	GND	-1553
30	+5V	GND	GND
31	+5V	GND	VLPCD BIAS
32	+5V	GND	VLPCD GND