



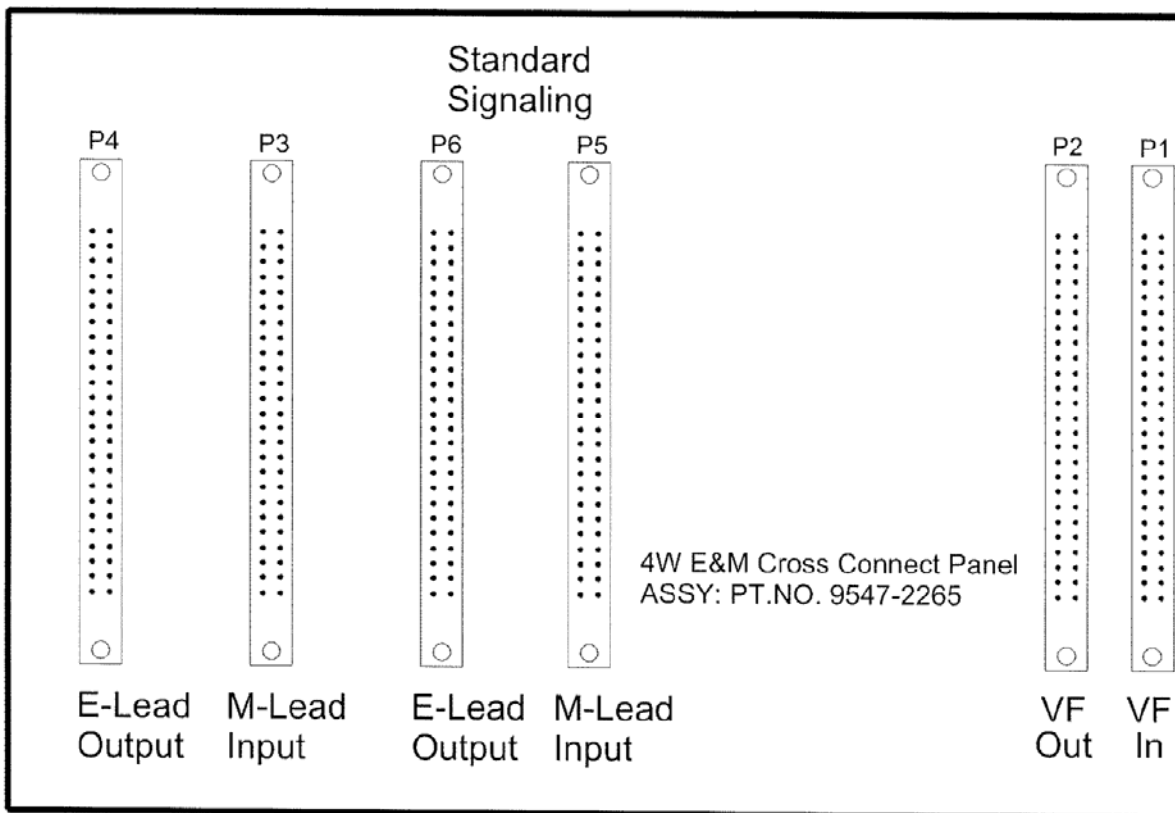
CC-2G Cross Connect Panel

Technical Note

The GatesAir Intraplex CC-2G cross connect panel is an optional feature available for our T1 multiplexers that provides a modification to our standard connectivity configuration for 4-wire voice installations.

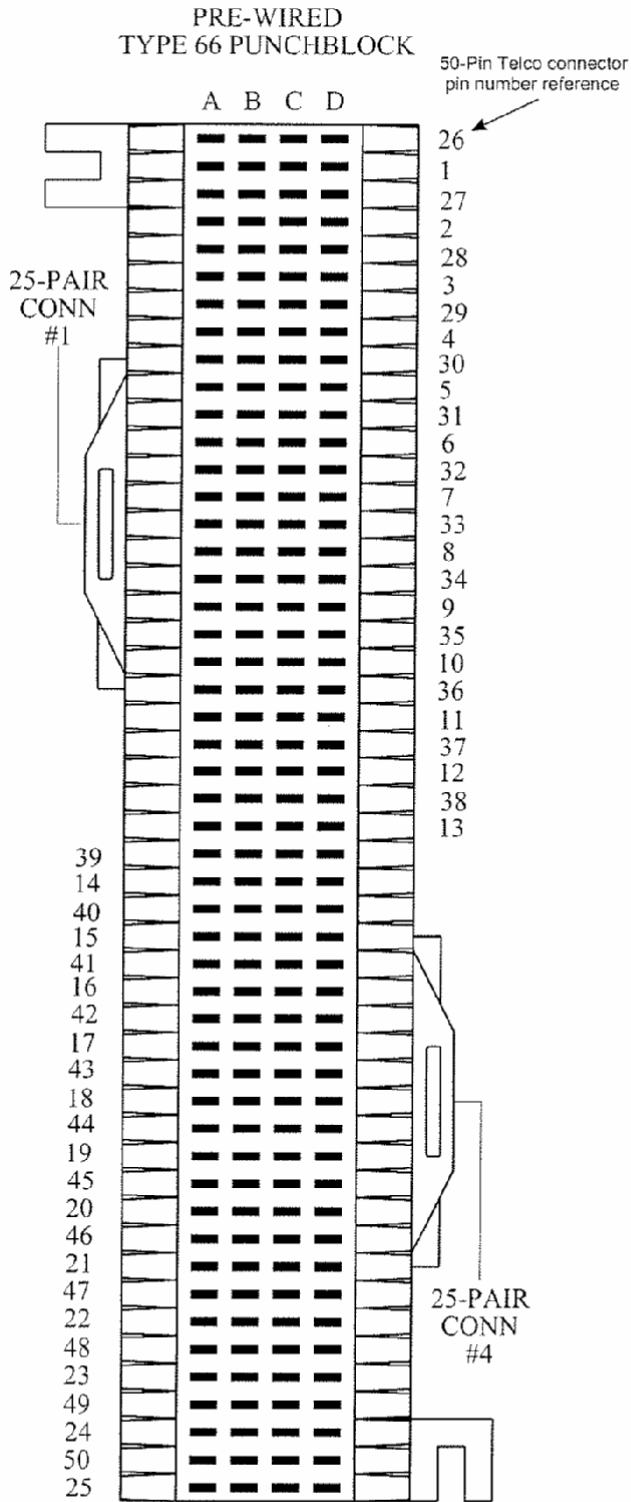
In a traditional configuration, the GatesAir VF-25 voice modules are paired with the MA-305 or MA-305B module adapters and each set provides four channels of 4-wire interfaces on a 50-pin Telco connector. The CC-2G reroutes the leads for the VF-25/MA-305 sets from a channel based distribution to groupings based on Transmit Pairs (T/R), Receive Pairs (T1/R1), E Leads and M Leads. This allows direct connection to some traditional channel bank connections.

Up to six VF-25/MA-305 sets may be used with each CC-2G. The CC-2G panel supports up to 24 voice circuits per chassis. Only one CC-2G may be mounted across the rear of each multiplexer.



CC-2G Cross Connect Panel

P1 on the CC-Panel

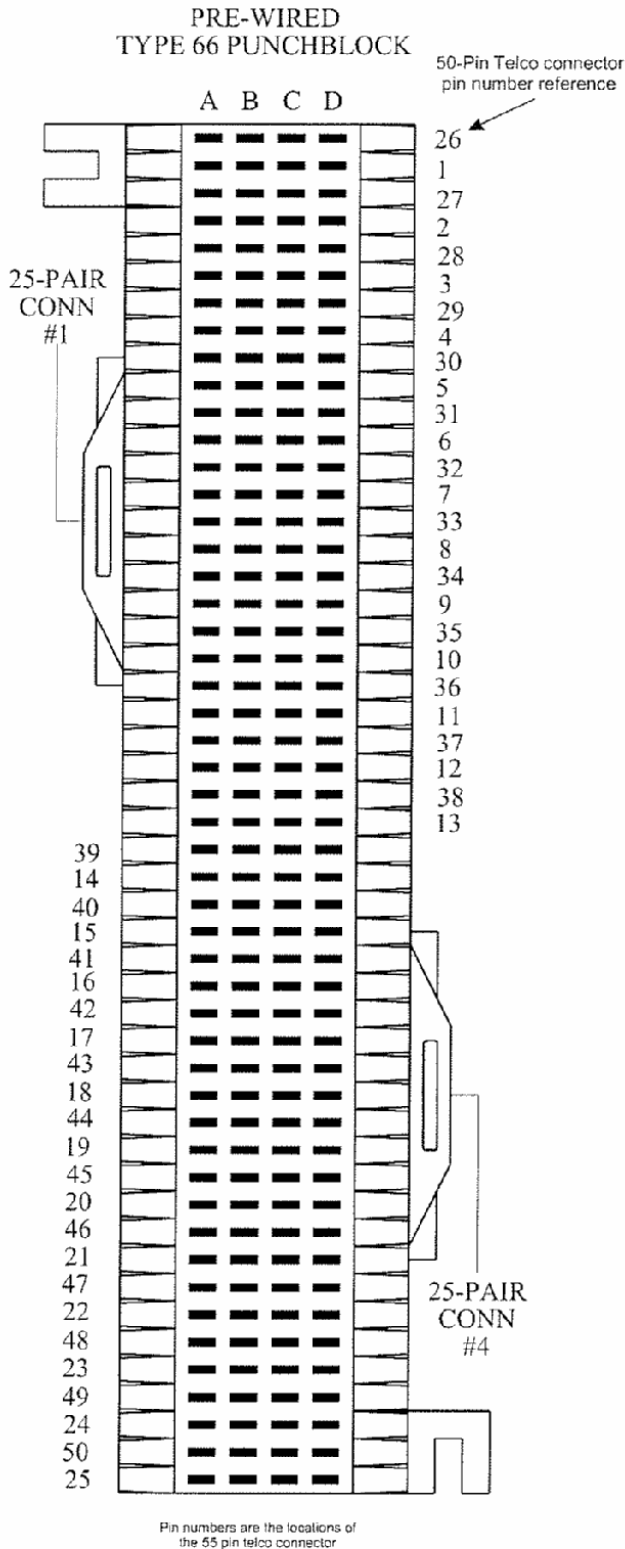


Pin numbers are the locations of
the 55 pin telco connector

X-conn header pins	50 pin Telco conn	Signal on the 50-pin Telco connector Marked " VF IN"
2	26	CH1 TX TIP
1	1	CH1 TX RING
4	27	CH2 TX TIP
3	2	CH2 TX RING
6	28	CH3 TX TIP
5	3	CH3 TX RING
8	29	CH4 TX TIP
7	4	CH4 TX RING
10	30	CH5 TX TIP
9	5	CH5 TX RING
12	31	CH6 TX TIP
11	6	CH6 TX RING
14	32	CH7 TX TIP
13	7	CH7 TX RING
16	33	CH8 TX TIP
15	8	CH8 TX RING
18	34	CH9 TX TIP
17	9	CH9 TX RING
20	35	CH10 TX TIP
19	10	CH10 TX RING
22	36	CH11 TX TIP
21	11	CH11 TX RING
24	37	CH12 TX TIP
23	12	CH12 TX RING
26	38	CH13 TX TIP
25	13	CH13 TX RING
28	39	CH14 TX TIP
27	14	CH14 TX RING
30	40	CH15 TX TIP
29	15	CH15 TX RING
32	41	CH16 TX TIP
31	16	CH16 TX RING
34	42	CH17 TX TIP
33	17	CH17 TX RING
36	43	CH18 TX TIP
35	18	CH18 TX RING
38	44	CH19 TX TIP
37	19	CH19 TX RING
40	45	CH20 TX TIP
39	20	CH20 TX RING
42	46	CH21 TX TIP
41	21	CH21 TX RING
44	47	CH22 TX TIP
43	22	CH26 TX RING
46	48	CH23 TX TIP
45	23	CH23 TX RING
48	49	CH24 TX TIP
47	24	CH24 TX RING
50	50	
49	25	

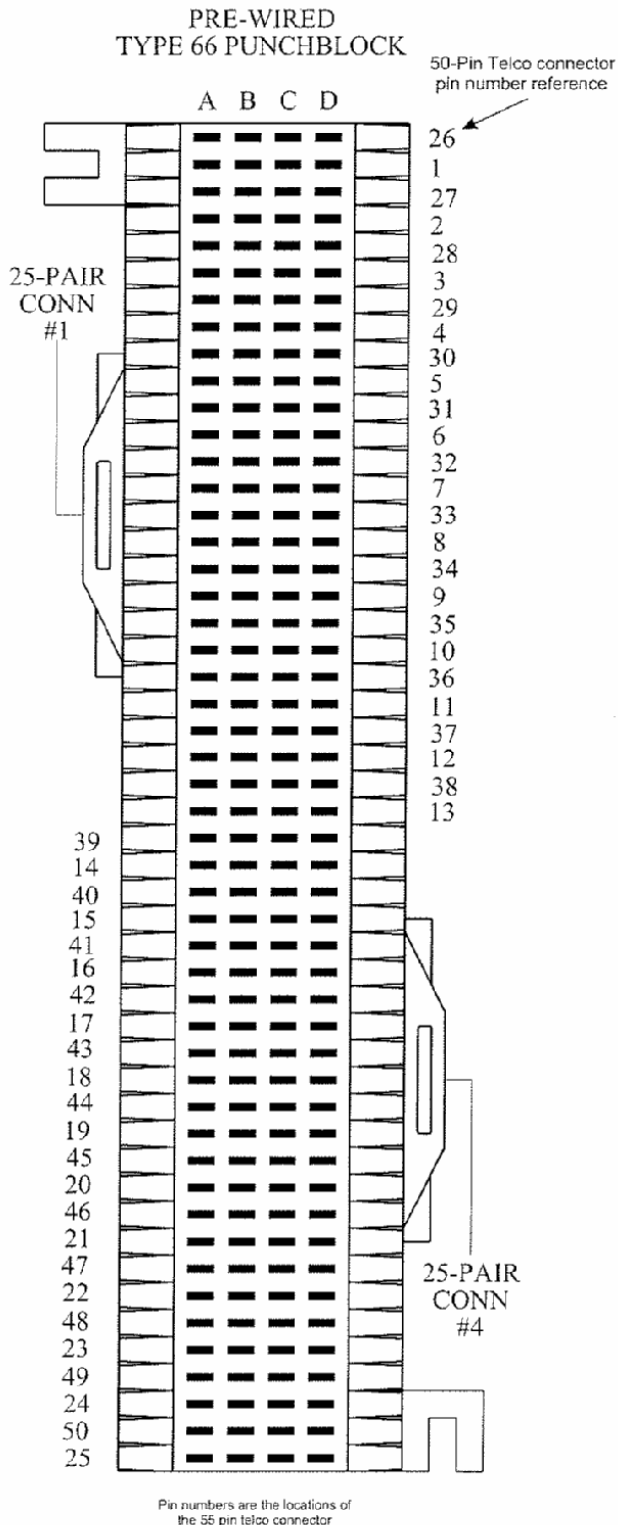
66 Punchblock to P1 (VF In)

P2 on the CC-Panel



X-conn header pins	50 pin Telco conn	Signal on the 50-pin Telco connector Marked " VF OUT"
2	26	CH1 RX TIP
1	1	CH1 RX RING
4	27	CH2 RX TIP
3	2	CH2 RX RING
6	28	CH3 RX TIP
5	3	CH3 RX RING
8	29	CH4 RX TIP
7	4	CH4 RX RING
10	30	CH5 RX TIP
9	5	CH5 RX RING
12	31	CH6 RX TIP
11	6	CH6 RX RING
14	32	CH7 RX TIP
13	7	CH7 RX RING
16	33	CH8 RX TIP
15	8	CH8 RX RING
18	34	CH9 RX TIP
17	9	CH9 RX RING
20	35	CH10 RX TIP
19	10	CH10 RX RING
22	36	CH11 RX TIP
21	11	CH11 RX RING
24	37	CH12 RX TIP
23	12	CH12 RX RING
26	38	CH13 RX TIP
25	13	CH13 RX RING
28	39	CH14 RX TIP
27	14	CH14 RX RING
30	40	CH15 RX TIP
29	15	CH15 RX RING
32	41	CH16 RX TIP
31	16	CH16 RX RING
34	42	CH17 RX TIP
33	17	CH17 RX RING
36	43	CH18 RX TIP
35	18	CH18 RX RING
38	44	CH19 RX TIP
37	19	CH19 RX RING
40	45	CH20 RX TIP
39	20	CH20 RX RING
42	46	CH21 RX TIP
41	21	CH21 RX RING
44	47	CH22 RX TIP
43	22	CH22 RX RING
46	48	CH23 RX TIP
45	23	CH23 RX RING
48	49	CH24 RX TIP
47	24	CH24 RX RING
50	50	
49	25	

66 Punchblock to P2 (VF Out)

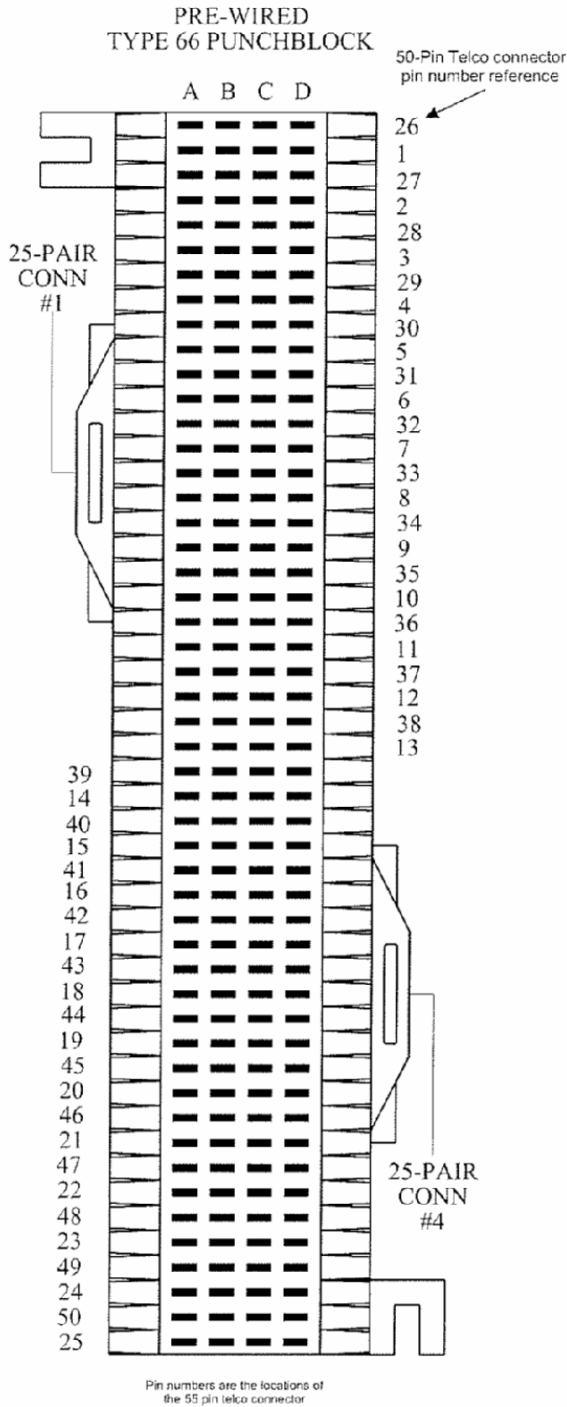


P6 on the CC-Panel

X-conn header pins	50 pin Telco conn	Signal on the 50-pin Telco connector Marked " E-Lead OUTPUT"
2	26	CH1 E-LEAD
1	1	CH1 SIGNAL GROUND
4	27	CH2 E-LEAD
3	2	CH2 SIGNAL GROUND
6	28	CH3 E-LEAD
5	3	CH3 SIGNAL GROUND
8	29	CH4 E-LEAD
7	4	CH4 SIGNAL GROUND
10	30	CH5 E-LEAD
9	5	CH5 SIGNAL GROUND
12	31	CH6 E-LEAD
11	6	CH6 SIGNAL GROUND
14	32	CH7 E-LEAD
13	7	CH7 SIGNAL GROUND
16	33	CH8 E-LEAD
15	8	CH8 SIGNAL GROUND
18	34	CH9 E-LEAD
17	9	CH9 SIGNAL GROUND
20	35	CH10 E-LEAD
19	10	CH10 SIGNAL GROUND
22	36	CH11 E-LEAD
21	11	CH11 SIGNAL GROUND
24	37	CH12 E-LEAD
23	12	CH12 SIGNAL GROUND
26	38	CH13 E-LEAD
25	13	CH13 SIGNAL GROUND
28	39	CH14 E-LEAD
27	14	CH14 SIGNAL GROUND
30	40	CH15 E-LEAD
29	15	CH15 SIGNAL GROUND
32	41	CH16 E-LEAD
31	16	CH16 SIGNAL GROUND
34	42	CH17 E-LEAD
33	17	CH17 SIGNAL GROUND
36	43	CH18 E-LEAD
35	18	CH18 SIGNAL GROUND
38	44	CH19 E-LEAD
37	19	CH19 SIGNAL GROUND
40	45	CH20 E-LEAD
39	20	CH20 SIGNAL GROUND
42	46	CH21 E-LEAD
41	21	CH21 SIGNAL GROUND
44	47	CH22 E-LEAD
43	22	CH22 SIGNAL GROUND
46	48	CH23 E-LEAD
45	23	CH23 SIGNAL GROUND
48	49	CH24 E-LEAD
47	24	CH24 SIGNAL GROUND
50	50	
49	25	

66 Punchblock to P6 (E-Lead Output)

P5 on the CC-Panel



X-conn header pins	50 pin Telco conn	Signal on the 50-pin Telco connector Marked "M-Lead INPUT"
2	26	CH1 M-LEAD
1	1	CH1 SIGNAL BATTERY
4	27	CH2 M-LEAD
3	2	CH2 SIGNAL BATTERY
6	28	CH3 M-LEAD
5	3	CH3 SIGNAL BATTERY
8	29	CH4 M-LEAD
7	4	CH4 SIGNAL BATTERY
10	30	CH5 M-LEAD
9	5	CH5 SIGNAL BATTERY
12	31	CH6 M-LEAD
11	6	CH6 SIGNAL BATTERY
14	32	CH7 M-LEAD
13	7	CH7 SIGNAL BATTERY
16	33	CH8 M-LEAD
15	8	CH8 SIGNAL BATTERY
18	34	CH9 M-LEAD
17	9	CH9 SIGNAL BATTERY
20	35	CH10 M-LEAD
19	10	CH10 SIGNAL BATTERY
22	36	CH11 M-LEAD
21	11	CH11 SIGNAL BATTERY
24	37	CH12 M-LEAD
23	12	CH12 SIGNAL BATTERY
26	38	CH13 M-LEAD
25	13	CH13 SIGNAL BATTERY
28	39	CH14 M-LEAD
27	14	CH14 SIGNAL BATTERY
30	40	CH15 M-LEAD
29	15	CH15 SIGNAL BATTERY
32	41	CH16 M-LEAD
31	16	CH16 SIGNAL BATTERY
34	42	CH17 M-LEAD
33	17	CH17 SIGNAL BATTERY
36	43	CH18 M-LEAD
35	18	CH18 SIGNAL BATTERY
38	44	CH19 M-LEAD
37	19	CH19 SIGNAL BATTERY
40	45	CH20 M-LEAD
39	20	CH20 SIGNAL BATTERY
42	46	CH21 M-LEAD
41	21	CH21 SIGNAL BATTERY
44	47	CH22 M-LEAD
43	22	CH22 SIGNAL BATTERY
46	48	CH23 M-LEAD
45	23	CH23 SIGNAL BATTERY
48	49	CH24 M-LEAD
47	24	CH24 SIGNAL BATTERY
50	50	
49	25	

66 Punchblock to P5 (M-Lead Input)

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