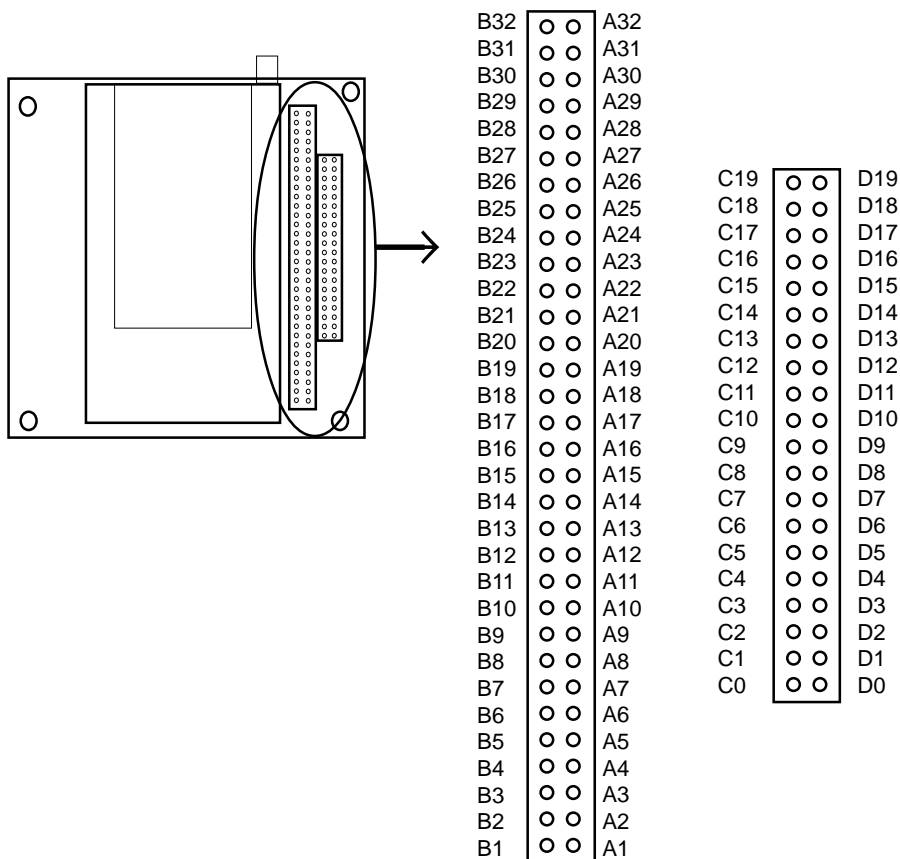


# Appendix A

## PC/104 PCMCIA Module Pin Assignments

### PC/104 Bus Connectors (PCM-3110, 3110B, 3111, 3115B)

The PC/104 PCMCIA Module PCM-3110, PCM-3111, PCM3115B and PCM-3110B all feature PC/104 bus connectors. These two connectors replace the “golden finger” edge connectors that are found on ISA or PCI-bus devices. The PC/104 connectors appear as follows:



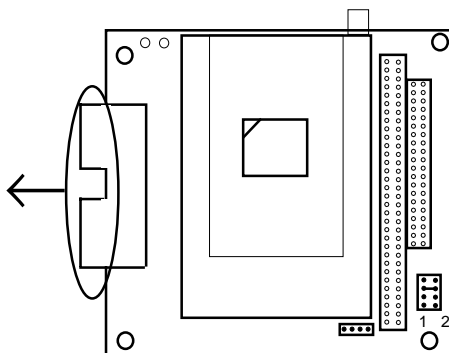
## PC/104 Connectors

Pin Number	Connector J1		Connector J2	
	RowA	RowB	RowC	RowD
0	—	—	GND	GND
1	IOCK#	GND	SBHE#	MEM16
2	SD7	RESETDRV	LA23	IO16#
3	SD6	+5V	LA22	IRQ10
4	SD5	IRQ9	LA21	IRQ11
5	SD4	-5V	LA20	IRQ12
6	SD3	DRQ2	LA19	IRQ15
7	SD2	-12V	LA18	IRQ14
8	SD1	OWS#	LA17	DACK0#
9	SD0	+12V	MEMR#	DRQ0
10	IOCHRDY	GND	MEMW#	DACK5#
11	AEN	SMEMW#	SD8	DRQ5
12	SA19	SMEMR#	SD9	DACK6#
13	SA18	IOW#	SD10	DRQ6
14	SA17	IOR#	SD11	DACK7#
15	SA16	DACK3#	SD12	DRQ7
16	SA15	DRQ3	SD13	+5V
17	SA14	DACK1#	SD14	MASTER#
18	SA13	DRQ1	SD15	GND
19	SA12	REFRESH#	—	GND
20	SA11	ATCLK#	—	—
21	SA10	IRQ7	—	—
22	SA9	IRQ6	—	—
23	SA8	IRQ5	—	—
24	SA7	IRQ4	—	—
25	SA6	IRQ3	—	—
26	SA5	DACK2#	—	—
27	SA4	T/C	—	—
28	SA3	BALE	—	—
29	SA2	+5V	—	—
30	SA1	OSC	—	—
31	SA0	GND	—	—
32	GND	GND	—	—

## 80-Pin Flat Cable (PCM-3110 and PCM-3111)

The PCM-3110 and PCM-3111 are connected together by using an 80-pin flat cable. When making the connection, make sure that pin 1 on PCM-3110 is connected to pin 1 on PCM-3111.

A40	○ ○	B40
A39	○ ○	B39
A38	○ ○	B38
A37	○ ○	B37
A36	○ ○	B36
A35	○ ○	B35
A34	○ ○	B34
A33	○ ○	B33
A32	○ ○	B32
A31	○ ○	B31
A30	○ ○	B30
A29	○ ○	B29
A28	○ ○	B28
A27	○ ○	B27
A26	○ ○	B26
A25	○ ○	B25
A24	○ ○	B24
A23	○ ○	B23
A22	○ ○	B22
A21	○ ○	B21
A20	○ ○	B20
A19	○ ○	B19
A18	○ ○	B18
A17	○ ○	B17
A16	○ ○	B16
A15	○ ○	B15
A14	○ ○	B14
A13	○ ○	B13
A12	○ ○	B12
A11	○ ○	B11
A10	○ ○	B10
A9	○ ○	B9
A8	○ ○	B8
A7	○ ○	B7
A6	○ ○	B6
A5	○ ○	B5
A4	○ ○	B4
A3	○ ○	B3
A2	○ ○	B2
A1	○ ○	B1

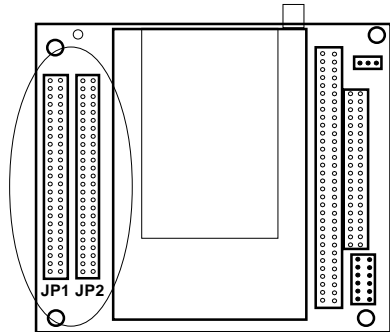
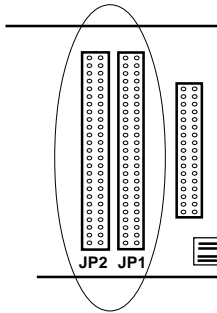


## 80-Pin Flat Cable Connectors

Pin No.	Function	Pin No.	Function
A1	VPPB	B1	VCC
A2	VPPB	B2	VCC
A3	VPPB	B3	VCC
A4	GND	B4	VCC
A5	B-CA12	B5	GND
A6	B-CA25	B6	SD0
A7	B-CA13	B7	SD15
A8	B-CA24	B8	SD1
A9	B-CA14	B9	SD14
A10	GND	B10	GND
A11	B-CA23	B11	SD2
A12	B-CA15	B12	SD13
A13	B-CA22	B13	SD3
A14	B-CA16	B14	SD12
A15	B-CA21	B15	GND
A16	GND	B16	SD4
A17	B-CA17	B17	SD11
A18	B-CA20	B18	SD5
A19	B-CA18	B19	SD10
A20	B-CA19	B20	GND
A21	GND	B21	SD6
A22	SA0	B22	SD9
A23	SA1	B23	SD7
A24	SA2	B24	SD8
A25	SA3	B25	GND
A26	GND	B26	B-*CE1
A27	SA4	B27	B-*OE
A28	SA5	B28	B-*IORD
A29	SA6	B29	B-*REG
A30	SA7	B30	GND
A31	GND	B31	B-*IOWR
A32	SA8	B32	B-*WE
A33	SA9	B33	B-*CE2
A34	SA10	B34	B-RESET
A25	SA11	B35	GND
A36	GED	B36	B-WP
A37	B-*ENABLE	B37	B-BVD2
A38	EXTDIR	B38	B-*CD2
A39	B-*CD1	B39	B-*WAIT
A40	B-BVD1	B40	B-RDY

## 2x50-Pin Connectors (PCM-3110B, PCM-3113, PCM-3114)

The PCM-3113 and PCM-3114 provides an additional PCMCIA drive with a 3.5" FDD form factor for customers that have purchased a PCM-3110B. The PCM-3114 also provides a 3.5" FDD drive. Connections with the PCM-3110B are made with 2 x 50-pin flat cables.



JP1		JP2			
50	○ ○	49	50	○ ○	49
48	○ ○	47	48	○ ○	47
46	○ ○	45	46	○ ○	45
44	○ ○	43	44	○ ○	43
42	○ ○	41	42	○ ○	41
40	○ ○	39	40	○ ○	39
38	○ ○	37	38	○ ○	37
36	○ ○	35	36	○ ○	35
34	○ ○	33	34	○ ○	33
32	○ ○	31	32	○ ○	31
30	○ ○	29	30	○ ○	29
28	○ ○	27	28	○ ○	27
26	○ ○	25	26	○ ○	25
24	○ ○	23	24	○ ○	23
22	○ ○	21	22	○ ○	21
20	○ ○	19	20	○ ○	19
18	○ ○	17	18	○ ○	17
16	○ ○	15	16	○ ○	15
14	○ ○	13	14	○ ○	13
12	○ ○	11	12	○ ○	11
10	○ ○	9	10	○ ○	9
8	○ ○	7	8	○ ○	7
6	○ ○	5	6	○ ○	5
4	○ ○	3	4	○ ○	3
2	○ ○	1	2	○ ○	1

## 2 x 50-Pin Flat Cable Connectors

### Connector JP1

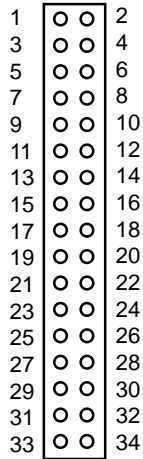
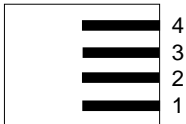
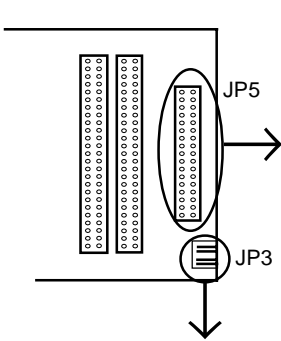
Pin No.	Function	Pin No.	Function
1	GND	2	A0
3	A1	4	A2
5	A3	6	GND
7	A4	8	A5
9	A6	10	A7
11	GND	12	A8
13	A9	14	A10
15	A11	16	GND
17	GND	18	B-CA12
19	B-CA13	20	B-CA14
21	B-CA15	22	GND
23	B-CA16	24	B-CA17
25	B-CA18	26	B-CA19
27	GND	28	B-CA20
29	B-CA21	30	B-CA22
31	B-CA23	32	GND
33	B-CA24	34	B-CA25
35	GND	36	GND
37	B-*ENABLE	38	EXTDIR
39	GND	40	GND
41	VCC	42	VCC
43	VCC	44	VCC
45	GND	46	GND
47	VPPB	48	VPPB
49	VPPB	50	VPPB

**Connector JP2**

<b>Pin No.</b>	<b>Function</b>	<b>Pin No.</b>	<b>Function</b>
1	GND	2	D0
3	D1	4	GND
5	D2	6	D3
7	GND	8	D4
9	D5	10	GND
11	D6	12	D7
13	GND	14	D8
15	D9	16	GND
17	D10	18	D11
19	GND	20	D12
21	D13	22	GND
23	D14	24	D15
25	GND	26	GND
27	B-*WAIT	28	B-*CD1
29	B-*CD2	30	B-BVD1
31	B-BVD2	32	B-WP
33	B-RDY/*BSY	34	GND
35	B-*IORD	36	B-*IOWR
37	B-*WE/PRGM	38	B-*OE
39	GND	40	B/*REG
41	B-*CE1	42	B-*CE2
43	B-RESET	44	LEDB
45	GND	46	GND
47	VCC	48	VCC
49	VCC	50	VCC

# FDD Cable and FDD Power connector (PCM-3114)

The PCM-3114 combination 3.5" FDD/PCMCIA drive includes a 34-pin FDD cable and a 4-pin mini power connector for the 3.5" FDD. Connect the FDD cable to your computer's main board and the power connector to your computer's power supply.





## Floppy drive connector

### Connector JP5

Pin	Signal	Pin	Signal
1	GND	2	DENSITY SELECT
3	GND	4	N/C
5	GND	6	N/C
7	GND	8	INDEX
9	GND	10	MOTOR 0
11	GND	12	DRIVE SELECT 1
13	GND	14	DRIVE SELECT 0
15	GND	16	MOTOR 1
17	GND	18	DIRECTION
19	GND	20	STEP
21	GND	22	WRITE DATA
23	GND	24	WRITE GATE
25	GND	26	TRACK 0
27	GND	28	WRITE PROTECT
29	GND	30	READ DATA
31	GND	32	HEAD SELECT
33	GND	34	DISK CHANGE

## Power Connector

### Connector JP3

Pin	Signal	Pin	Signal
1	12V	2	GND
3	GND	4	5V

