

# PC 104 Signal Assignments

## Load Pin Solutions

Standard Models and Custom  
Versions Specification Worksheet  
Available  
[www.sentranllc.com](http://www.sentranllc.com)

## Free PC/104 Resource

Info on hardware, software, tools,  
services and valuable articles  
[www.EEcatalog.com](http://www.EEcatalog.com)

## Motorola VMEbus

Boosting the performance and  
capability of VMEbus technology.  
[www.motorola.com/computing](http://www.motorola.com/computing)

## Xycom Industria

Find the right comp  
industrial applicator  
[www.xycom.com](http://www.xycom.com)

Ads by Google

Adver

## PC 104 Connector Pin Out

Pin	J1/ P1	J1/ P1	J2/ P2	J2/ P2
Number	Row A	Row B	Row C1	Row D1
0	--	--	GND	GND
1	I OCHCHK*	GND	SBHE*	MEMCS16*
2	SD7	RESETDRV	LA23	I OCS16*
3	SD6	+5V	LA22	I RQ10
4	SD5	I RQ9	LA21	I RQ11
5	SD4	-5V	LA20	I RQ12
6	SD3	DRQ2	LA19	I RQ15
7	SD2	-12V	LA18	I RQ14
8	SD1	ENDXFR*	LA17	DACK0*
9	SD0	+12V	MEMR*	DRQ0
10	I OCHRDY	( KEY)	MEMW*	DACK5*
11	AEN	S MEMW*	SD8	DRQ5
12	SA19	S MEMR*	SD9	DACK6*
13	SA18	I OW*	SD10	DRQ6
14	SA17	I OR*	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*	( KEY)	GND
20	SA11	SYSCLK	--	--
21	SA10	I RQ7	--	--
22	SA9	I RQ6	--	--
23	SA8	I RQ5	--	--
24	SA7	I RQ4	--	--
25	SA6	I RQ3	--	--
26	SA5	DACK2*	--	--
27	SA4	TC	--	--
28	SA3	BALE	--	--

29	SA2	+5V	--	--
30	SA1	OSC	--	--
31	SA0	GND	--	--
32	GND	GND	--	--

**[USB to RS232 RS422 RS485](#)**

Commercial & Industrial USB  
Serial 1-16 Port models now from  
£10.50  
[www.easysync.co.uk](http://www.easysync.co.uk)

**[Tiny Industrial PDA board](#)**

Alchemy/Mips PDA module for  
OEM applications with CE .NET or  
Linux  
[www.dspdesign.com/](http://www.dspdesign.com/)

**[PC/104 Connectors](#)**

Industry's largest product line and  
quickest delivery  
[www.isipkg.com/pc104](http://www.isipkg.com/pc104)

**[PICMG 2.16](#)**

Elma offers a variety  
compliant backplane  
[www.elma.com](http://www.elma.com)

[Ads by Google](#)[Adver](#)

PC-104 uses the [PC/PCAT](#) card specification (IEEE P996), but changes the form factor. The specification defines the new mechanical foot print and card power requirements. This is a stacked bus with no backplane or interconnecting cable. The cards plug into each other. A PC-104 card may use an 8 bit interface (PC) or 16 bit interface (PCAT). The PC104 bus is AC terminated to reduce power. An additional enhancement termed PC/104-Plus allows the addition of the PCI bus onto the card.

The PC-104 Bus pinouts shown above use the same pinout described in the PC-AT bus. PC-104 is the PC-AT bus in a new form factor [Card size].

The XT bus used a 62 pin connector in the PC and also with the PC-104 bus. The XT bus is used on J1 in the PC-104 bus, shown above [Also J1 on the PC card].

The AT bus used a 38 pin connector in the PC and also with the PC-104 bus. The AT bus is used on J2 in the PC-104 bus, shown above [Also J2 on the PC card].

Both J1 and J2 Connector used with the PC104 bus have .100" spacing, and may be 'stack-through' (pins extend out the other side of the PWB), or 'non-stack-through' (normal PWB mounting).

PC-104Plus adds an additional connector; J3 which carries the PCI bus signals. Refer to the [PCI-104 pinout](#) page, or the [PCI Bus](#) page for a bus description and information.

Back to the main [PC104](#) bus page for a description, connector manufacturers, IC manufacturers and links.

**[PC/104 Connectors](#)**

Industry's largest product line and  
quickest delivery  
[www.isipkg.com/pc104](http://www.isipkg.com/pc104)

**[Li-Ion Battery Power](#)**

Easy to use OEM battery system  
hardware & monitoring software  
[www.ocean-server.com](http://www.ocean-server.com)

**[D-sub connectors](#)**

PC connector factory in Taiwan PC  
Cable, Adapter, Connector. Cover  
[www.pc-connector.com](http://www.pc-connector.com)

**[Sensoray Frame](#)**

MPEG1, 2 & 4; JPEG  
PC/104, PC/104+  
[www.sensoray.com](http://www.sensoray.com)

[Ads by Goooooooogle](#)[Adver](#)**[Ads by Google](#)**[PC104 Bus](#)[PC104 PCI](#)[PC104 Specification](#)[PC10](#)

Electronic Design Key words: PC/104 bus, PC-104 Pinouts, Pin Out, P1/J1 Pinout, P2/J2 Pin Out, Connector, Signal Names, Embedded Computer Bus, PCAT and PCXT pin-out, Signals, Pin Number, Assignment, Specification, Standard, Defined, Constraint, Properties, Lines, Data, Labels

[Home](#)



[Distributors](#) [Components](#) [Equipment](#) [Software](#) [Standards](#) [Buses](#) [Design](#) [Reference](#)

Last Modified 11/12/06

Copyright © 1998 - 2007 All rights reserved Leroy Davis