

### FEATURES

- Permits addition of user-designed circuitry for PC/104 systems
- 8-bit or 16-bit versions
- Access to all PC/104 lines and power buses
- Wire-wrap or point-to-point wiring supported
- Large breadboard area on 0.100" grid accepts standard DIP sockets, connectors and press-fit pins
- Plated-through holes
- Provisions for bypass capacitors
- Non-stackthrough connector

The PCM-WW is designed as a universal prototyping card for user application-specific circuitry. It allows PC/104 users to construct experimental and custom I/O interfaces with a minimum of effort. A 0.100 inch grid is provided for the breadboard area that accepts standard DIP sockets, connectors, press-fit pins and discrete logic circuitry.

### FUNCTIONAL CAPABILITY

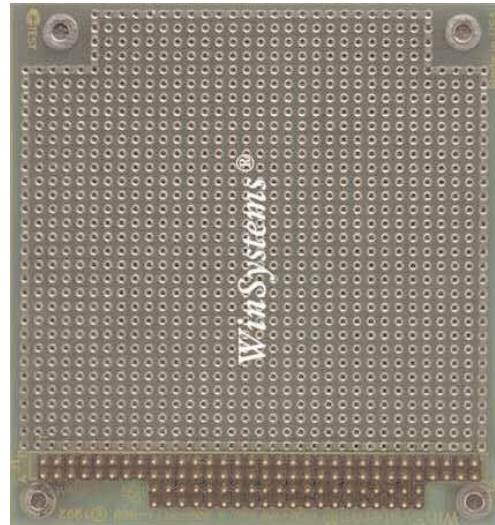
**Bus Interface** - Full access is provided to the PC/104 connector including address bus, data bus, control, and power. A ground bus rings the board edge. Connection points are provided from the bus to the prototyping circuit area.

The board is designed to be placed at the top of the PC/104 module stack and will plug directly into the socket of an adjacent card.

Both 8-bit and 16-bit prototyping modules are available which are designated as PCM-WW8 and PCM-WW16 respectively. The PCM-WW8 contains J1, a single 64-pin connector for use with 8-bit systems. The PCM-WW16 has both the J1 64-pin and J2 40-pin connectors for use with 16-bit PC/AT Bus implementations.

**Configuration** - A 3.125 x 3.25 inch prototyping breadboard area is available for application-specific prototype and experimental circuit design. It consists of a 0.100 inch grid of 0.038 inch plated through holes that will accept 0.025 inch square posts, discrete components, standard 8-, 14-, 16-, 24-, 28- and 40-pin solder or wirewrap DIP sockets and connectors. The card permits installation of one or several 0.100" right angle connectors or headers at the edge.

Two 0.6 inch spacers and its corresponding screws are shipped with each module.



### SPECIFICATIONS

Dimensions 3.6" x 3.8" (90mm x 96mm)

Connectors (non-stackthrough)

PCM-WW8: 32-pin double row, 0.025" square posts

PCM-WW16: 32-pin double row, 0.025" square posts  
20-pin double row, 0.025" square posts

PC Board: FR4 epoxy glass with plated through holes on 0.100" grid

### ORDERING INFORMATION

PCM-WW8 8-bit, PC/104 prototyping module

PCM-WW16 16-bit, PC/104 prototyping module

**PC/104 64-Pin Connector**

Pin	Signal Name	Pin	Signal Name
A1	IOCHCHK*	B1	0 Volts
A2	SD7	B2	RESETDRV
A3	SD6	B3	+5 Volts
A4	SD5	B4	IRQ9
A5	SD4	B5	-5 Volts
A6	SD3	B6	DRQ2
A7	SD2	B7	-12 Volts
A8	SD1	B8	ENQXFR*
A9	SD0	B9	+12 Volts
A10	IOCHRDY	B10	(Key) <sup>2</sup>
A11	AEN	B11	SMEMW*
A12	SA19	B12	SMEMR*
A13	SA18	B13	IOW*
A14	SA17	B14	IOR*
A15	SA16	B15	DACK3*
A16	SA15	B16	DRQ3
A17	SA14	B17	DACK1*
A18	SA13	B18	DRQ1
A19	SA12	B19	REFRESH*
A20	SA11	B20	SYSCLK
A21	SA10	B21	IRQ7
A22	SA9	B22	IRQ6
A23	SA8	B23	IRQ5
A24	SA7	B24	IRQ4
A25	SA6	B25	IRQ3
A26	SA5	B26	DACK2*
A27	SA4	B27	T/C
A28	SA3	B28	BALE
A29	SA2	B29	+5 Volts
A30	SA1	B30	OSC
A31	SA0	B31	0 Volts
A32	0 Volts	B32	0 Volts

**PC/104 40-Pin Connector**

Pin	Signal Name	Pin	Signal Name
C0	0 Volts	D0	0 Volts
C1	SBHE*	D1	MEMCS16*
C2	LA23	D2	IOCS16
C3	LA22	D3	IRQ10
C4	LA21	D4	IRQ11
C5	LA20	D5	IRQ12
C6	LA19	D6	IRQ15
C7	LA18	D7	IRQ14
C8	LA17	D8	DACK0*
C9	MEMR*	D9	DRQ0
C10	MEMW*	D10	DACK5*
C11	SD8	D11	DRQ5
C12	SD9	D12	DACK6*
C13	SD10	D13	DRQ6
C14	SD11	D14	DACK7*
C15	SD12	D15	DRQ7
C16	SD13	D16	+5 Volts
C17	SD14	D17	MASTER*
C18	SD15	D18	0 Volts
C19	(Key) <sup>2</sup>	D19	0 Volts

**NOTES:**

1. Rows C and D are not required on 8-bit modules.
2. B10 and C19 are key locations.
3. Signal timing and function are as specified in P996.
4. Signal source/sink current differ from P996 values.

