AX10460 PC/104 Bread Board Module

FEATURES

- Permits addition of user-designed circuitry for PC/104 systems
- 8-bit and 16-bit versions
- Access to all PC/104 lines and power buses
- Wire-wrap or point-to-point wiring supported
- Large breadboard area on 2.54mm grid accepts standard DIP socket, connector and press-fit pins
- Plated-through holes

GENERAL DESCRIPTION

The AX10460 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 2.54mm grid is provided for the breadboard area that accepts standard DIP socket, connector, press-fit pins and discrete logic circuitry.

Full access is provided to the PC/104 connector including address bus, data bus, control and power. The AX10460 has both the CN1 64-pin and CN2 40-pin connectors for use with 16-bit PC/AT Bus. A 80.55 x 72.55mm prototyping breadboard area is available for application-specific prototype and experimental circuit design. It consists of a 2.54mm grid of 0.97mm plate through holes that will accept 0.64mm square posts, discrete components, standard 8-, 14-, 16-, 24-, 28- and 40-pin solder or wire wrap DIP sockets and connectors.

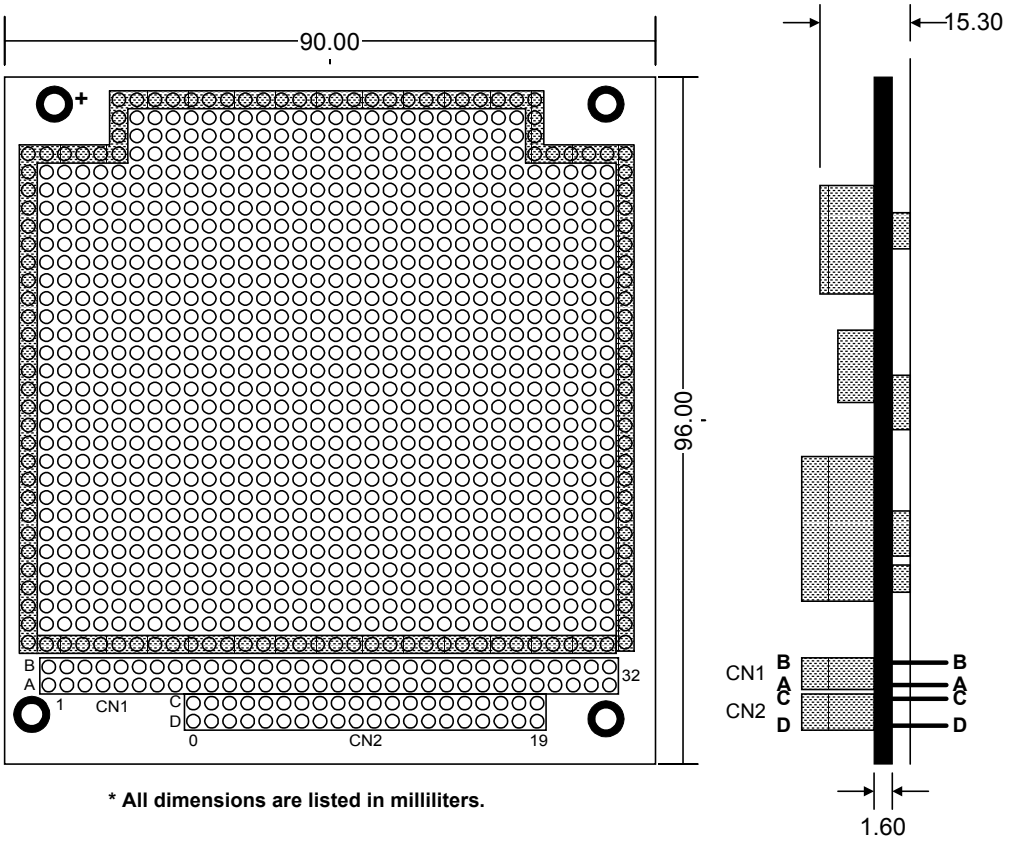
SPECIFICATIONS

Dimensions : Meets PC/104 mechanical specifications; 91.44 x 96.52 x 1.67mm

PC Board : AX8025H, AX8035H, AX8045

Assistance :

- 32-pin double row, 0.64mm square posts: 1
- 20-pin double row, 0.64mm square posts: 1
- 50-pin 90° male mating connector: 1
- 50-pin 180° male mating connector: 1
- Braze post : 4
- Nut : 4



*** All dimensions are listed in milliliters.**

PC/104 64-Pin Connector

Pin	Signal Name	Pin	Signal Name
B1	Ground	A1	IRCHCK
B2	RESETDRV	A2	SD7
B3	+5 Volts	A3	SD6
B4	IRQ2/9	A4	SD5
B5	-5 Volts	A5	SD4
B6	DRQ2	A6	SD3
B7	-12 Volts	A7	SD2
B8	ENOXFR	A8	SD1
B9	+12 Volts	A9	SD0
B10	(KEY)	A10	IOCHRDY
B11	SMEMW	A11	AEN
B12	SMEMR	A12	SA19
B13	IOW	A13	SA18
B14	IOR	A14	SA17
B15	DACK3	A15	SA16
B16	DRQ3	A16	SA15
B17	DACK1	A17	SA14
B18	DRQ1	A18	SA13
B19	REFRESH	A19	SA12
B20	SYSCLK	A20	SA11
B21	IRQ7	A21	SA10
B22	IRQ6	A22	SA9
B23	IRQ5	A23	SA8
B24	IRQ4	A24	SA7
B25	IRQ3	A25	SA6
B26	DACK2	A26	SA5
B27	T/C	A27	SA4
B28	BALE	A28	SA3
B29	+5 Volts	A29	SA2
B30	OSC	A30	SA1
B31	Ground	A31	SA0
B32	Ground	A32	Ground

PC/104 40-Pin Connector

Pin	Signal Name	Pin	Signal Name
D0	Ground	C0	Ground
D1	MEMCS16	C1	SBHE
D2	IOCS16	C2	LA23
D3	IRQ10	C3	LA22
D4	IRQ11	C4	LA21
D5	IRQ12	C5	LA20
D6	IRQ13	C6	LA19
D7	IRQ14	C7	LA18
D8	DACK0	C8	LA17
D9	DRQ0	C9	MEMR
D10	DACK5	C10	MEMW
D11	DRQ5	C11	SD8
D12	DACK6	C12	SD9
D13	DRQ6	C13	SD10
D14	DACK7	C14	SD11
D15	DRQ7	C15	SD12
D16	+5 Volts	C16	SD13
D17	MASTER	C17	SD14
D18	Ground	C18	SD15
D19	Ground	C19	(KEY)