

PBP-14I 14 ISA Backplane

The PBP-14I backplane is fully ISA specification compliant. It is a member of PBP's ISA product family and is intended to support pure ISA compliant boards on the market.

The board's main features include:

Connector

Fourteen slot ISA for the CPU board

One AT standard power connector: 12 pins, 5A max. per pin for +5V, -5V, +12V, -12V voltages, Ground, and Power Good Signal.

Pairs of header for local connection of keyboards, and Power LED.

Power LED.

PCB

The Printed Circuit Board's (PCB) overall dimensions are 180.5mm x 318.9mm (7.11" x 12.56"), and total thickness is 1.6mm.

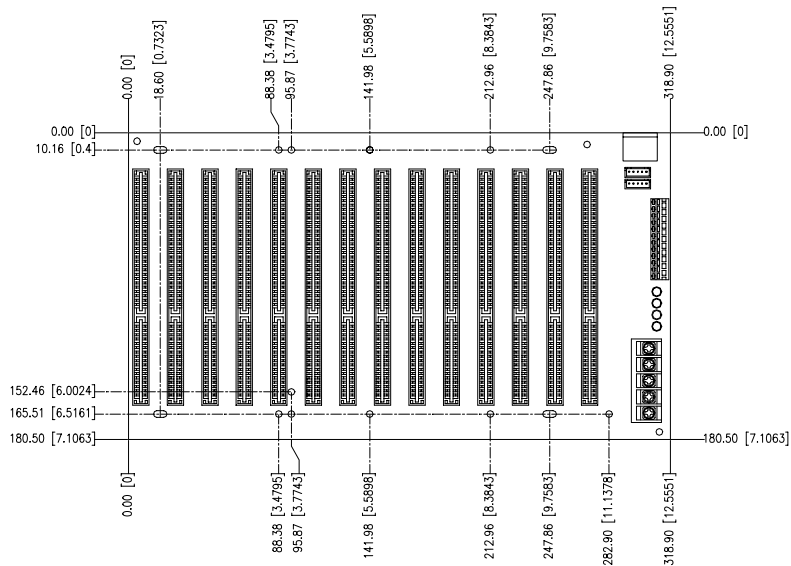
Mounting holes are provided and are located to conform to the baby AT form factor. Mounting holes are connected to Signal Ground internally.

Operating temperature : 0°C ~ 55°C

Storage temperature : -20°C ~ 75°C

Standard

ISA- conforms to IEEE P996 specification.



1. JUMPERS and CONNECTORS:

JUMPER/ CONNECTOR	DESCRIPTION
ISA 1~14	ISA connectors
CN1	P8/P9 power connector
CN2	Power extension terminal block
KB1, KB2, KB3	Keyboard connector

2 PIN ASSIGNMENT

CN1 - P8/P9	
PIN	NAME
1	NC
2	+5V
3	+12V
4	-12V
5	GND
6	GND
7	GND
8	GND
9	-5V
10	+5V
11	+5V
12	+5V

CN2	
PIN	NAME
1	+5V @ 5A
2	-5V @ 0.5A
3	-12V @ 0.5A
4	+12V @ 5A
5	GND

KB1, KB2, KB4	
PIN	NAME
1	CLK
2	DATA
3	NC
4	GND (Via SBC)
5	+5V (Via SBC)

*Note: this pin assignment may vary if a non-ROBO SBC is used with the backplane.