

PBP-20I 20 ISA Backplane

The PBP-20I 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

Twenty slot ISA for the CPU board

One AT standard power connector and one flush-mount 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, fan connectors and Power LED.

Power LED.

PCB

The Printed Circuit Board's (PCB) overall dimensions are 199.4mm x 416.7mm (78.5" x 164.1"), and total thickness is 1.6mm.

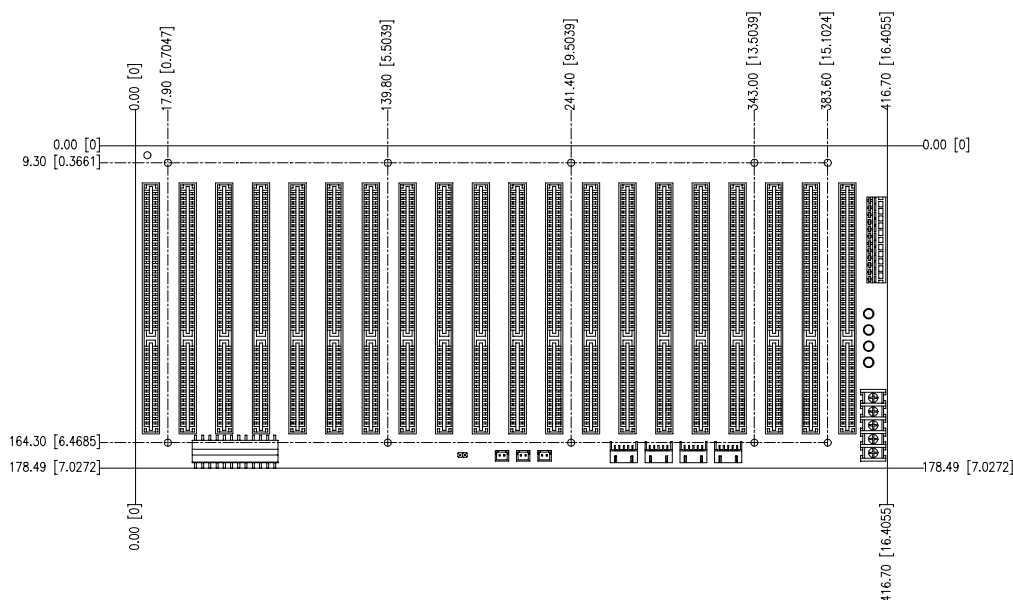
Mounting holes are provided and are located to conform to the baby AT form factor. Mounting holes are connected to Signal Ground internally.

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 1~20	ISA connectors
CN1	P8/P9 power connector
CN2	Power extension terminal block
CN3, CN4, CN5	Fan connectors
CN6	Power LED
CN7	Horizontal P8/P9 power connector
KB1, KB2, KB3	Keyboard connector

2 PIN ASSIGNMENT

CN1/CN7 - 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

CN 3, 4 and 5	
PIN	NAME
1	+12V
2	GND

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

KB1, KB2, KB3, 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.