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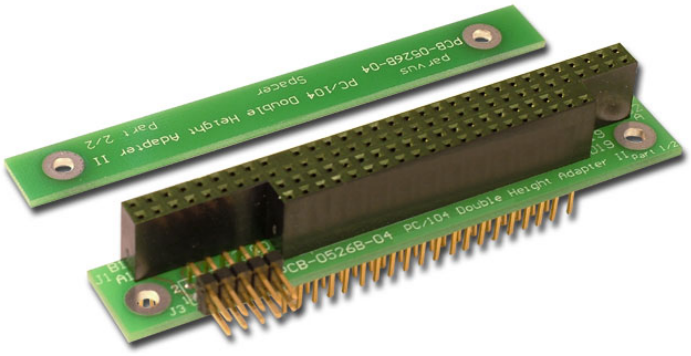
# PRV-0414

Datasheet

PC/104 Double Height Adapter (Adapter for Tall PCB Components)

## FEATURES & SPECIFICATIONS

MHeader:
10-Pin Power Header (Dual Row 0.100 inch)
Bus:
16-Bit PC/104 (ISA) bus
Exras:
Set of 8 Nylon Board Stand-offs (with Nuts and Screws)
Other Features:
Standard PC/104 Mounting Holes; Spacer PCB
Dimensions:
3.55" x 0.55" (part 1), 3.55" x 0.40" (part 2)
Operating Temperature:
-40°C to +85°C (-40°F to +185°F)
Power Input:
+5/+12vdc
Board Dimensions:
3.550" x 3.775"
Special Order Options:
Conformal Coating
Non-RoHS Compliant Version (PRV-0414-04)




## DESCRIPTION

The PC/104 Double Height Adapter is a low-cost interconnection board that gives embedded PC/104 computer systems a method for connecting circuit board modules taller than the prescribed PC/104 specification height. The adapter is especially useful for high-profile PC/104 CPU, power supply and hard drive modules that incorporate onboard fans or heatsinks for thermal management, as these types of boards commonly exceed the PC/104 form factor height of 0.60” and take up two card slots. Overcoming PC/104 height infringement can also be especially useful during prototype development when placing a prototype card at the end of a card stack becomes impractical.

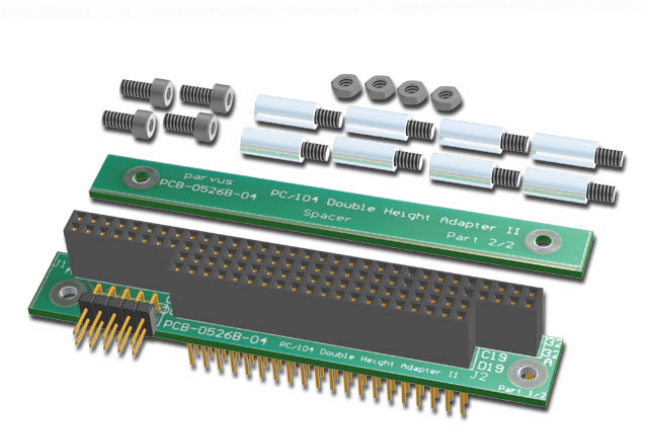
Measuring only 3.550" x 0.550" in size, the PC/104 Double Height Adapter provides clearance for tall board components in a card stack, while offering a 16-bit pass-through header for all standard PC/104 bus signals and a 10-pin power connector for power/grounding through the PC/104 bus. The adapter also has standard PC/104 board mounting holes and can be placed on top or bottom of any PC/104 module with its 104-pin and socket connector.

Included with the adapter is also a set of nylon stand-off spacers for board mounting and a second, smaller (3.550" x 0.40") circuit board used to maintain proper spacing on the other side of the PC/104 slot. Stand-offs can be inserted into mounting holes for the adapter and adjacent PC/104 modules, or alternatively, the PC/104 card stack can be securely mounted in a PC/104 railed card cage without any standoffs required.

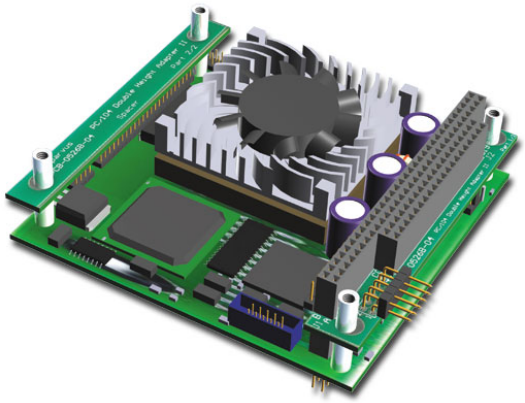
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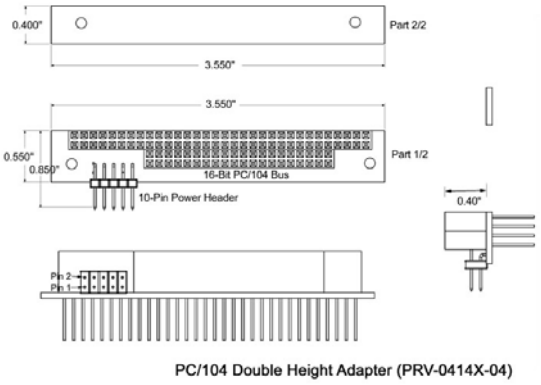
## Related Images



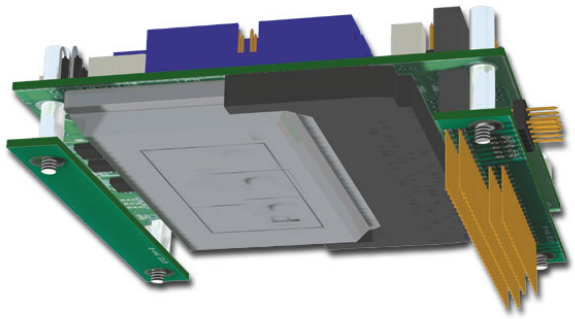

Place between PCBs, Squeeze & Separate



Sample Use - A




Dimensional Line Drawing



Sample Use - B

## ORDERING INFORMATION

| PART NUMBER | DESCRIPTION |
|---|---|
| PRV-0414-08 | PC/104 Double Height Adapter, RoHS |

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