



December 16, 2018

AES-FLEXIBLE-ADAPTER

There are many applications for the flexible adapter module. See photos for some possible examples. Just because we have 50-pin connectors, does not mean that we only solve for 50 pin connectors!

Note: we build this at time of order. If you require different connectors or want something special drop us an email and will help. Just because we have 50-pin connectors, does not mean that we only solve for 50 pin connectors! Since we build to order or provide a kit we can supply a variety of header and connector solutions to fit your application, or you can order the kit and stuff it exactly how you wish.

Overview

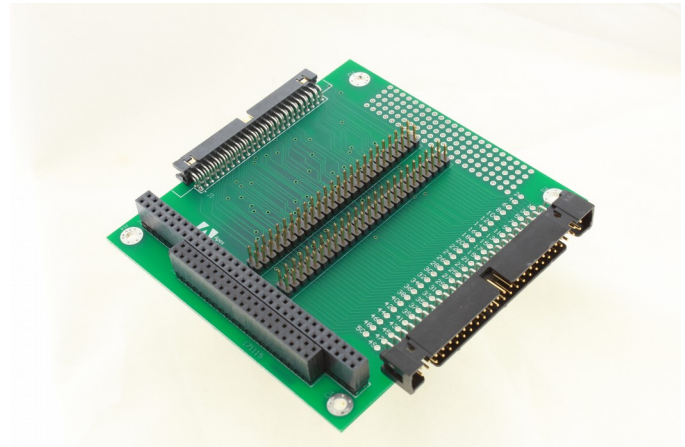
- J1 is a 2 mm (0.079 inch) lead-pitch that will accept any connector/header up to 50 pins.
- J4 is a 2.54 mm (0.1 inch) lead-pitch that will accept any connector/header up to 50 pins.
- J2 and J3 are used as the flexible interface between the 2 mm and 2.54 mm connectors.
- J2 and J3 are used as the flexible interface between the 2 mm and 2.54 mm connectors.
- Applying a jumper shunt across each pair of pins will make this a 1-to-1 adapter (i.e. pin 1 of J1 connects to pin 1 of J4 and so on).
- J2 connects J1 and J4 odd pins together (i.e. jumper shunt across J2.1 and J2.2 would connect J1.1 and J4.1 together).
- J3 connects J1 and J4 even pins together (i.e. jumper shunt across J3.1 and J3.2 would connect J1.2 and J4.2 together).
- Instead of jumper shunts, you can use jumper wires to connect/map any pin of J1 to any pin of J4.

Featured Capabilities

- Ribbon cable to wire interface
- Signal breakout and probing
- Prototyping region
- Optional PC/104 stackable connectors
- Cable conversion and cable signal remapping
- Serial breakout and loop-back
- Translate 0.1 inch header to 2mm header

Detailed Features

- **Mechanical Mounting Options:** PC/104 Stack or stand alone via four spacers.
- **Prototyping Region:** Flexible area for adding circuitry to your custom situations. All holes are plated through holes (PTHs) with finished hole size of 0.040 inches.
- **Signal probe points:** Additional signal access is available by 0.040 inch PTHs clearly labeled on the board near J4. These holes are sufficiently large to accept scope probes, wires or component leads for use within the prototyping region.



General

- **Environmental:** Wide operating temperature from -40°C to $+85^{\circ}\text{C}$.
- **Out-gassing and fire avoidance:** We do not use any tantalum or electrolytic capacitors in any products.
- **Reliability:** MTBF of ? hours per MIL-HDBK-217F ground benign at 25°C .
- **Polarized Connectors** prevent incorrect cable installations.

Support

- **Long Term Commitment:** We are committed to delivering long product life and dedicated to ongoing product updates and improvements to enhance long product life.
- **Customer Service:** We are committed to serving our customers. We offer 24/7 online ordering with a variety of payment and shipping options for quick and hassle free ordering.
- **Production:** Designed and Manufactured in Wisconsin, USA, utilizing an ISO 9001 manufacturing facility.
- **Individual Customer Assistance:** We will do whatever we can to assist you in designing in our products.

Part Numbers

- AES-FLEXIBLE-ADAPTER-PC104-50-ASSY
- AES-FLEXIBLE-ADAPTER-PC104-50-KIT
- AES-FLEXIBLE-ADAPTER-50-ASSY
- AES-FLEXIBLE-ADAPTER-50-KIT
- AES-FLEXIBLE-ADAPTER-PC104-QSER-ASSY
- AES-FLEXIBLE-ADAPTER-PC104-QSER-KIT
- AES-FLEXIBLE-ADAPTER-QSER-ASSY
- AES-FLEXIBLE-ADAPTER-QSER-KIT

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