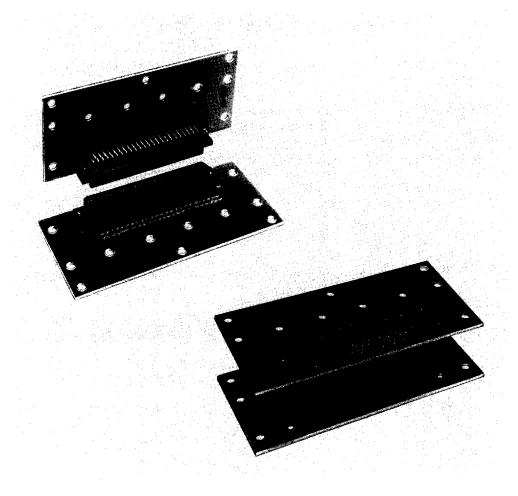


AMPLIMITE .050 Series

AMPLIMITE .050 Series Connectors (.050 x .100 [1.27 x 2.54] Centerline) All-Plastic Board-to-Board Headers, Series I

Product Facts

- **■** High-density D type interface
- Flame retardant thermoplastic housings, material 94V-0 rated
- Right-angle and vertical configurations available
- Right-angle headers-30-96 contact positions
- Vertical headers—20-96 contact positions
- Recognized under the Component Program of Underwriters Laboratories. Inc... File No. E28476
- Certified by Canadian **Standards** Association. File No. LR7189



All-Plastic Board-to-Board **Headers**

These board-mount, plug and receptacle headers offer a high-density D type interface and feature a .050 x .100 [1.27 x 2.54] contact centerline spacing. They are ideally suited for applications where EMI/RFI protection is not necessary. Headers are available in two configurations, rightangle and vertical mount, with a choice of screw down, retention lea or solder post board retention. This versatility in mounting configurations makes possible a variety of boardto-board interconnections, such as horizontal, parallel and right-angle. Right-angle headers are available in 30 through 96 positions and vertical mount headers are available in 20 through 96 positions.

Performance Specifications

Voltage/Current rating: 100 VDC, 1 ampere, max.

Dielectric withstanding voltage:

500 VAC, 1 min.

Insulation resistance: 1,000

Megohms, min.

Operating temperature range:

-55° to +105°C

Insertions/Extractions: 100 cycles

Technical Documents

Product Specification: 108-5203 Instruction Sheet: 408-292J

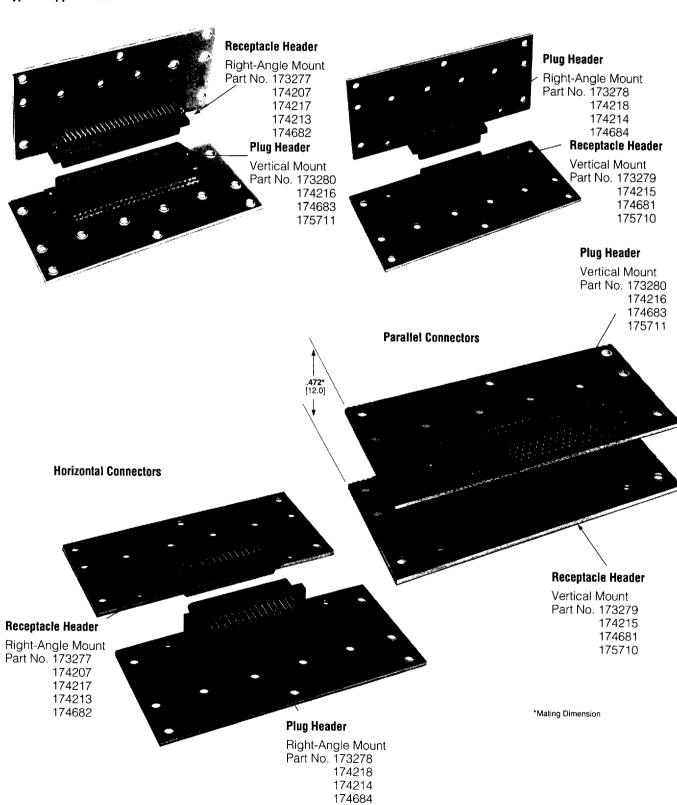
298



AMPLIMITE .050 Series Connectors All-Plastic Board-to-Board Headers, Series I

Board-to-Board Headers Typical Application

Right-Angle Connectors



AMPLIMITE .050 Series Connectors All-Plastic Board-to-Board Headers, Series I (Continued)

Receptacle Headers Vertical Mount With Thru-Holes for Board Mounting

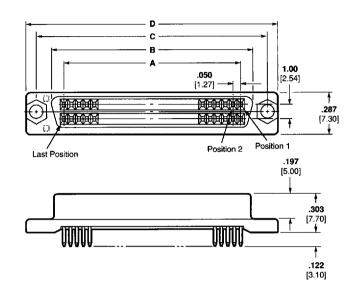
Material and Finish:

Housing—Thermoplastic, 94V-0 rated, black

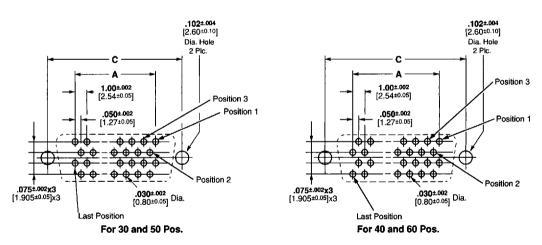
Contacts—Phosphor bronze, duplex plated .000008 [0.0002] min. or .000030 [0.00076] min. gold on contact area. .0254 [0.001] min. tin-lead on soldering area, with entire contact underplated .000050 [0.00127] min. nickel

Technical Documents:

Product Specification—108-5203 Instruction Sheet—408-292J



Pc Board Mounting Dimensions



Notes: 1. Connector side of pc board layout shown.

Pc board layouts and connector dimensions illustrated above serve as a guide only; they are not to be used for actual design or construction of customer equipment. Consult AMP customer drawings for detailed pc board layout and connector dimensions requirements.

No. of Pos.	Dimensions				Part Numbers	
	A	В	С	D	.000008 [0.0002]	.000030 [0.00076]
30	. 700 17.78	.866 22.00	1.090 27.75	1.250 31.80	173279-1	6-173279-1
40	.950 24.13	1.110 28.30	1.340 34.10	1.500 38.10	173279-2	6-173279-2
50	1.200 30.48	1 .370 34.70	1.590 40.45	1.750 44.50	173279-3	6-173279-3
60	1.450 36.83	1.610 41.00	1.840 46.80	2.000 50.80	173279-4	6-173279-4

Note: To mount connector to pc board, use M2 screws and nuts (not supplied).