

AMP-LATCH Low Profile Headers—Shrouded
Product Facts

- Available in .000015 [0.00038] and .000030 [0.00076] gold duplex plated posts
- Available in selected positions 10 thru 60
- Flame retardant, thermoplastic housings, 94V-0 rated
- Vertical and right-angle versions available in double row configurations
- Available in .025 [0.64] square drawn wire posts
- Wash out clearance for flux removal
- Accepts center and double bar polarization housings
- Mates with AMP-LATCH Ribbon Cable Connectors
- Available with and without eject latches
- Available with and without high temperature compatible material
- Recognized under the Component Program of Underwriters Laboratories Inc. File No. E28476
- Certified by Canadian Standards Association, File No. LR 7189

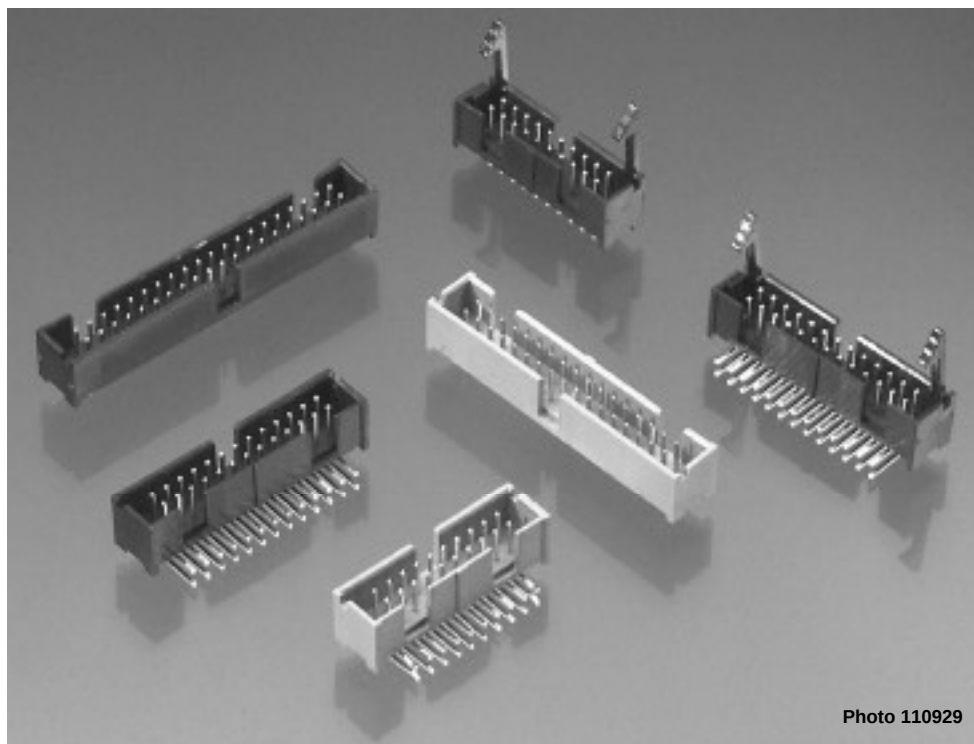


Photo 110929

Performance Characteristics
Electrical:

Insulation Resistance—5,000 megohms minimum initial

Dielectric Withstanding Voltage—750 V rms at sea level

Environmental:

Operating Temperature—-65°C to +105°C

Current—1 ampere maximum per contact

AMP-LATCH Low Profile Headers—Shrouded, with .150 [3.81] End Dimension, Double-Row, .100 x .100 [2.54 x 2.54] Centerline

.025 [0.64] Square Straight Post

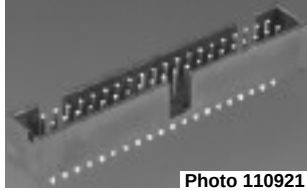


Photo 110921

Material and Finish:

Housing—Black thermoplastic, 94V-0 rated

Posts—Copper alloy, plated as follows:

Plating A—Duplex plated .000030 [0.00076] gold on contact area, .000100-.000200 [0.00254-0.00508] tin-lead on solder area, with entire post underplated .000050 [0.00127] nickel

Plating B—Duplex plated .000015 [0.00038] gold on contact area, .000100-.000200 [0.00254-0.00508] tin-lead on solder area, with entire post underplated .000050 [0.00127] nickel

Related Product Data:

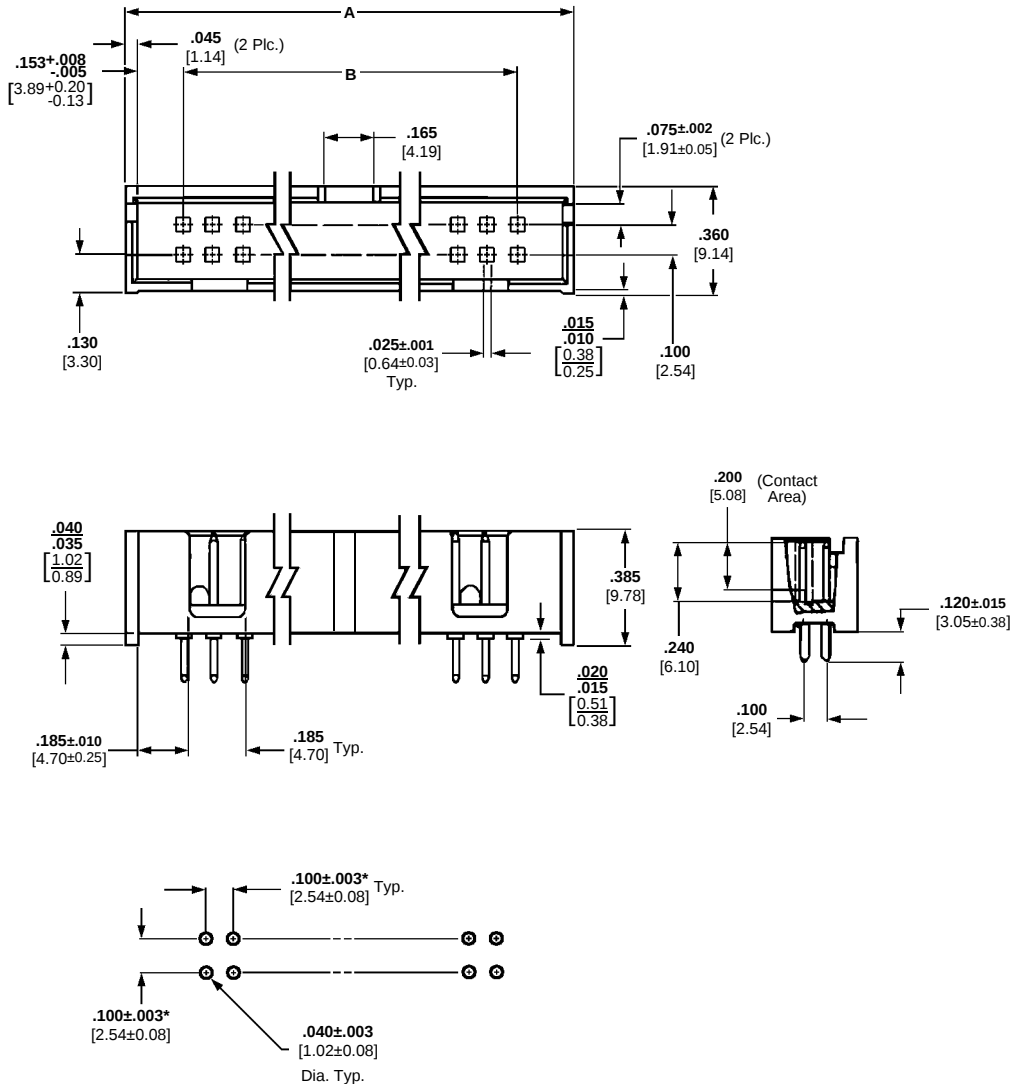
Electrical Characteristics—page 151

Mateable Connectors:

AMPMODU Wire-Applied Receptacles—page 237

AMPMODU Board Mount Receptacles—pages 196, 197

Short Point Wire-Applied Connectors—page 241



Recommended PCBoard Hole Layout For Manual Insertion

*±.003 [±0.08] tolerances not to accumulate within one connector pattern.

No. of Pos.	Dimensions		Post Plating/Part Nos.	
	A	B	Plating A	Plating B
10	.800 [20.32]	.400 [10.16]	103309-1	103308-1
14	1.000 [25.40]	.600 [15.24]	103309-2	103308-2
16	1.100 [27.94]	.700 [17.78]	103309-3	103308-3
20	1.300 [33.02]	.900 [22.86]	103309-5	103308-5
26	1.600 [40.64]	1.200 [30.48]	103309-6	103308-6
34	2.000 [50.80]	1.600 [40.64]	103309-7	103308-7
40	2.300 [58.42]	1.900 [48.26]	103309-8	103308-8
44	2.500 [63.50]	2.100 [53.34]	—	103308-9
50	2.800 [71.12]	2.400 [60.96]	1-103309-0	1-103308-0
60	3.300 [83.82]	2.900 [73.66]	1-103309-2	1-103308-2

AMP-LATCH Low Profile Headers—Shrouded, with .150 [3.81] End Dimension, Double-Row, .100 x .100 [2.54 x 2.54] Centerline (Continued)

.025 [0.64] Square Right-Angle Post

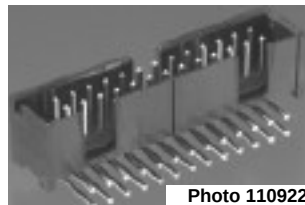
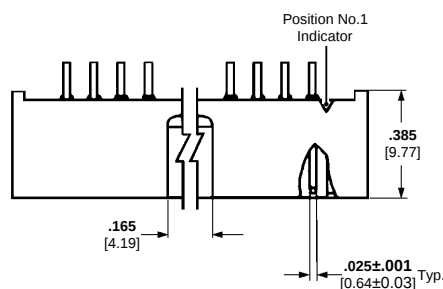


Photo 110922



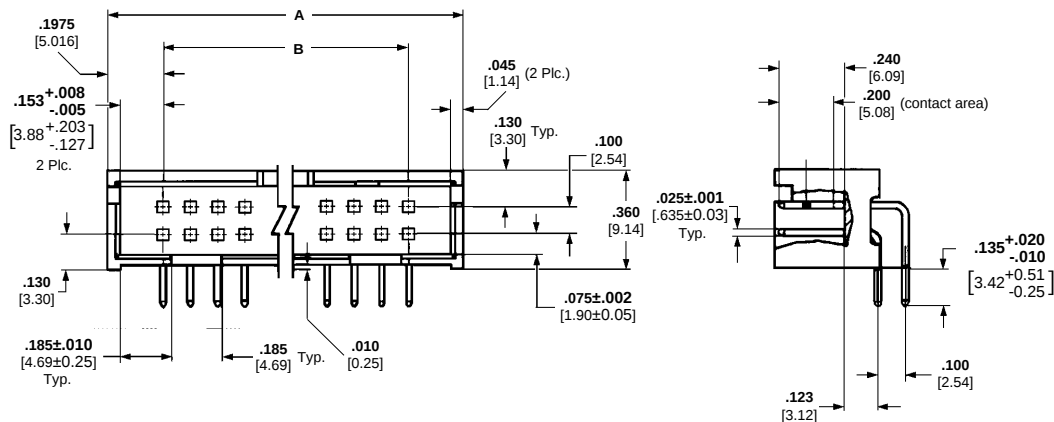
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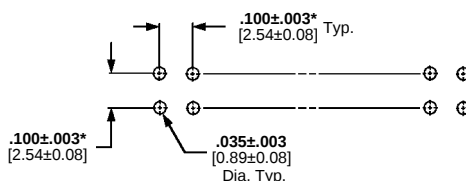
**Related Product Data:**

Electrical Characteristics—
page 151

Mateable Connectors:

**Mateable Connectors:
AMPMODU Wire-Applied
Receptacles**—page 237

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