

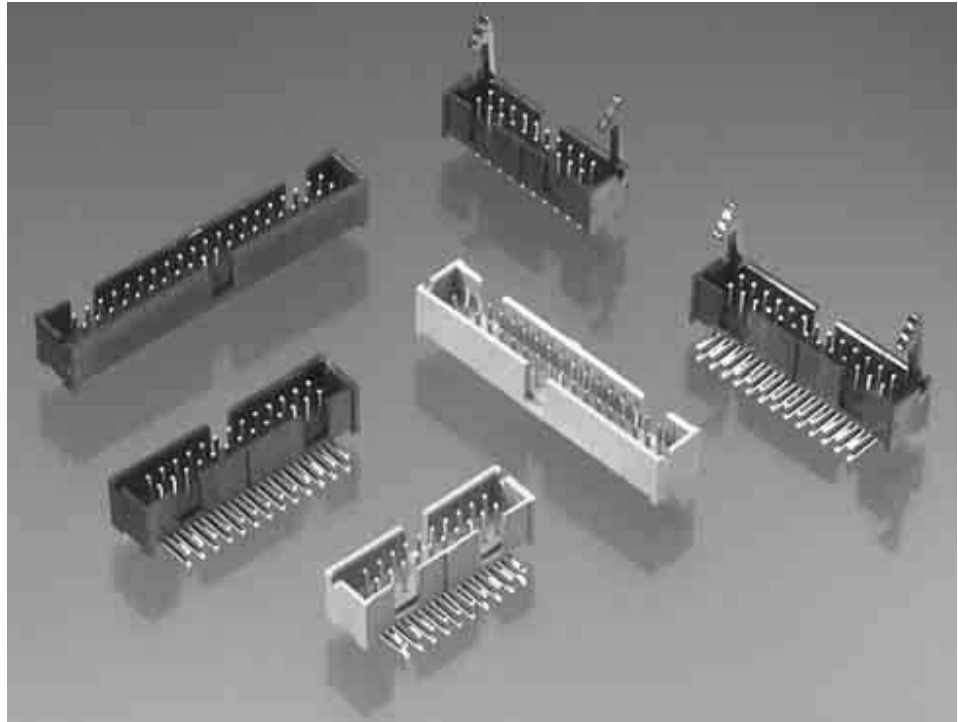


**AMP-LATCH Low Profile Headers—Shrouded**

**Product Facts**

- 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
- Mates with AMP-LATCH Ribbon Cable Connectors
- Available with and without eject latches
- Available with and without kinked soldertails for PCB retention
- Recognized under the Component Program of Underwriters Laboratories Inc.  File No. E28476
- Certified by Canadian Standards Association,  File No. LR 7189



**Performance Characteristics**

**Electrical**

**Insulation Resistance** — 5,000 megohms minimum initial

**Dielectric Withstanding Voltage** — 1,000 V rms at sea level

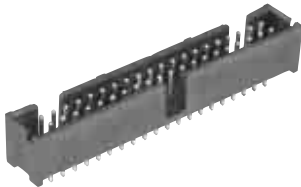
**Environmental**

**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**



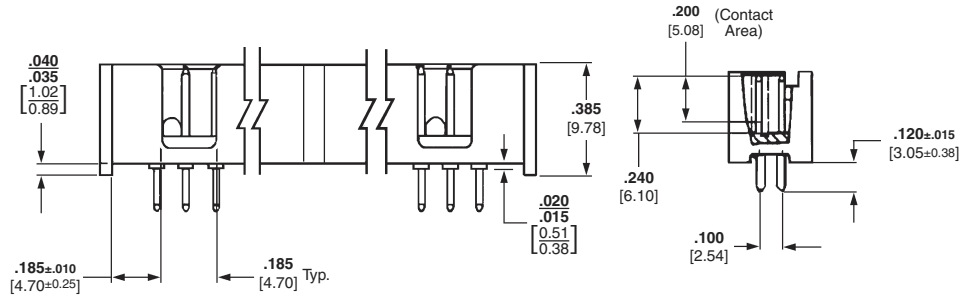
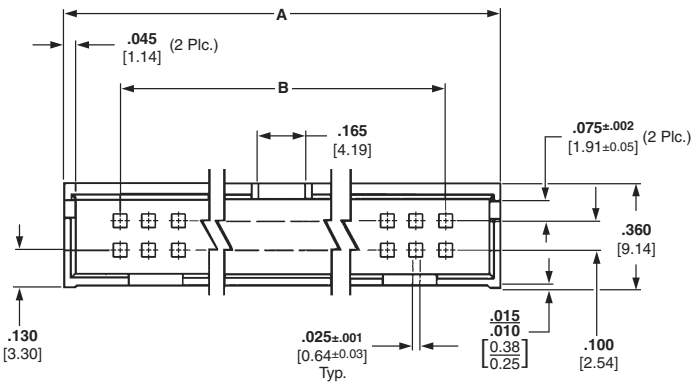
**Material and Finish**

**Housing** — Glass-filled nylon, black, 94V-0 rated

**Posts** — Copper alloy, plated as follows:

**Plating A** — Gold flash over .000030 [0.00076] min. palladium-nickel plate on the mating surfaces, .000100 [0.00254] min. tin plate on soldertails, with entire post underplated .000050 [0.00127] min. nickel

**Plating B** — Gold flash over .000015 [0.00038] min. palladium-nickel plate on the mating surfaces, .000100 [0.00254] min. tin plate on soldertails, with entire post underplated .000050 [0.00127] min. nickel



**Related Product Data**

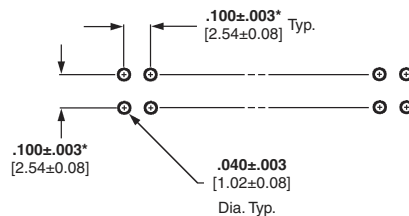
**Electrical Characteristics** — page 134

**Mateable Connectors** —

**AMPMODU Wire-Applied Receptacles** — page 220

**AMPMODU Board Mount Receptacles** — pages 179, 180

**Short Point Wire-Applied Connectors** — page 224



**Recommended PC Board 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]	5103309-1	5103308-1
14	1.000 [25.40]	.600 [15.24]	5103309-2	5103308-2
16	1.100 [27.94]	.700 [17.78]	5103309-3	5103308-3
20	1.300 [33.02]	.900 [22.86]	5103309-5	5103308-5
24	1.400 [35.56]	1.100 [27.94]	—	1-5103308-3
26	1.600 [40.64]	1.200 [30.48]	5103309-6	5103308-6
34	2.000 [50.80]	1.600 [40.64]	5103309-7	5103308-7
40	2.300 [58.42]	1.900 [48.26]	5103309-8	5103308-8
50	2.800 [71.12]	2.400 [60.96]	1-5103309-0	1-5103308-0
60	3.300 [83.82]	2.900 [73.66]	—	1-5103308-2

**Note:** All part numbers are RoHS compliant.