

MTA-156 Polarized Lock Headers — Right Angle

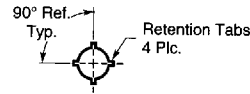
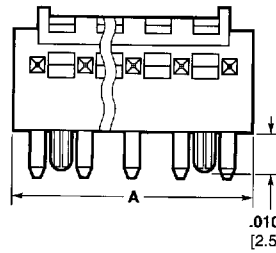
Material and Finish

Housing — UL94V-0 rated, polyester, white

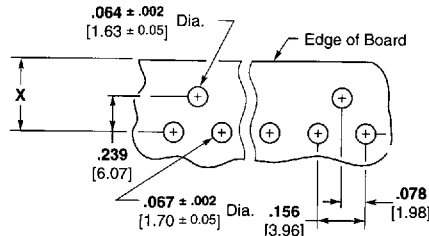
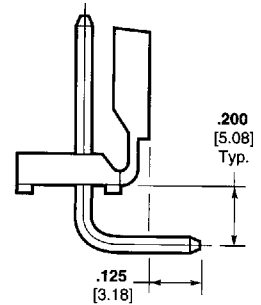
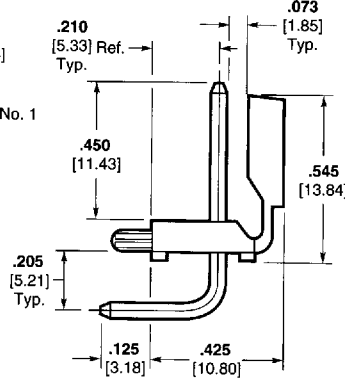
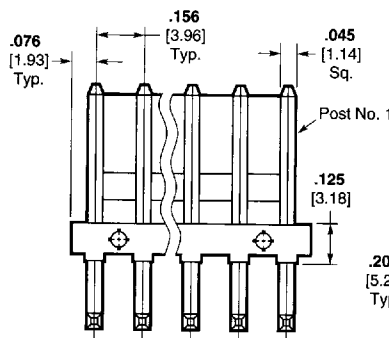
Posts — Copper alloy, tin plated or .000030 [0.00076] gold over nickel

Notes:

1. Post(s) can be omitted for keying purposes. Specify the desired post(s) to be omitted using the figure to identify Post No. 1.
2. Peg holes are not required in PC Boards when headers without pegs are used.
3. One peg only on a 2 position header, other position sizes have two pegs.
4. Headers with .00015 [0.00038] gold plated post are available upon request. Minimums may apply.



Polarized Retention Peg



Front Bend

X = .350 [8.89] Min., .825 [20.96] Max., when mated with MTA Connector.
X = .350 [8.89] Min. when mated with SL-156 Connector.

Rear Bend

X = .500 [12.7] Min., .700 [17.78] Max., when mated with MTA Connector.
X = .500 [12.7] Min., when mated with SL-156 Connector.

For mateability options, see matrix on pages 18, 19, 34 and 38.

When using Front Bend Headers—for mating half visuals use connectors with a locking ramp for polarization/retention purposes.

When using Rear Bend Headers—for mating half visuals use connectors without a locking ramp for polarization purposes only. See pages 20 thru 23, 35 and 40.

Header Ordering Information

The "Base Part Numbers" Chart at right shows the base part number and number of posts available for the described headers.

Prefixes and suffixes are determined by the number of post positions in the header. For example, the complete part number for a 10-position header with front bend and with pegs would be:

Base number **644617** plus prefix-and-suffix

1- -0

The correct ordering number is

1-644617-0

Base Part Numbers



Front Bend				Rear Bend			
With Pegs		Without Pegs		With Pegs		Without Pegs	
Header Part Nos.	No. of Posts	Header Part Nos.	No. of Posts	Header Part Nos.	No. of Posts	Header Part Nos.	No. of Posts
Standard UL94V-0, Tin Plated							
644617	2-18	644613	2-18	—	—	644614	2-18
Standard UL94V-0, .000030 [0.00076] Gold Plated							
644633	2-18	644629	2-18	—	—	644630	2-18

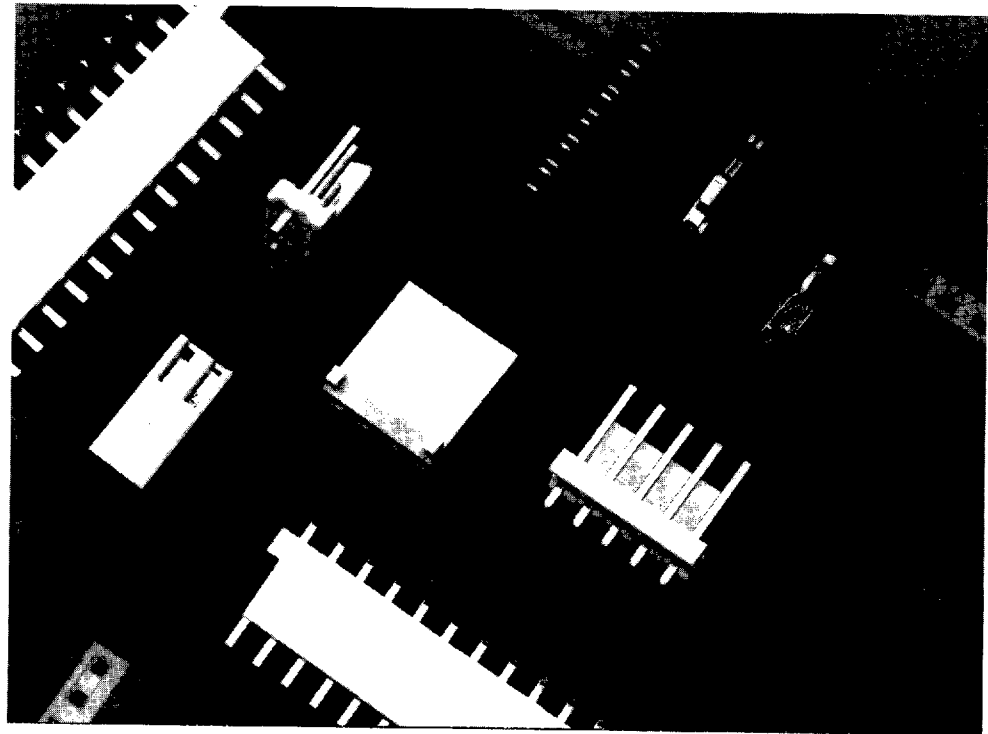
Header Length

No. of Posts	Dim. A	Prefix/Suffix	No. of Posts	Dim. A	Prefix/Suffix	No. of Posts	Dim. A	Prefix/Suffix
2	.307 7.80	-2	8	1.243 31.57	-8	14	2.179 55.35	1- -4
3	.463 11.76	-3	9	1.399 35.53	-9	15	2.335 59.31	1- -5
4	.619 15.72	-4	10	1.555 39.50	1- -0	16	2.491 63.27	1- -6
5	.775 19.69	-5	11	1.711 43.46	1- -1	17	2.647 67.23	1- -7
6	.931 23.65	-6	12	1.867 47.42	1- -2	18	2.803 71.20	1- -8
7	1.087 27.61	-7	13	2.023 51.38	1- -3			

.156 [3.96] Centerline MTA-156 IDC Connectors and Headers

Product Facts

- Connectors and headers for 2 through 24 positions; wire sizes of 18, 20, 22, 24 and 26 AWG [0.9–0.12 mm²]
- Wire-to-post connectors preloaded with dual beam contacts
- Connectors and headers are end-to-end stackable
- QUAD Connectors for higher current rating
- Posted connectors for 2, 3, 4, 6, 9, 12, 15 and 24 positions
- Card edge connectors for 3, 6, 9, 12, 15, 18 and 20 through 24 positions
- Connectors preloaded with IDC contacts
- All contacts are slotted for insulation displacement (IDC) termination technique
- Connector styles include both closed end and feed-thru, with and without locking ramps and polarizing tabs
- Contacts are lubricated to prevent fretting corrosion
- Benefits derived from the MTA-156 system include increases quality and ease of handling such as —
 - One step assembly
 - No wire stripping
 - No contact damage
 - Reduced wiring errors
 - Simpler tooling
 - Simple maintenance and repair
- Meets the material requirements of Table 23.1 of UL 1410 Standards for Television Receiver and Video Products (wire-to-post connectors only)
- Recognized under the Component Program of Underwriters Laboratories Inc., File No. E28476 
- Certified by Canadian Standards Association File No. LR7189 



MTA-156 connectors accept discrete and ribbon cable wire sizes ranging from 18–26 AWG [0.9–0.12 mm²] with maximum insulation outside diameter .095 [2.41] for single wire and .070 [1.78] for mass termination of wires. Tin plated solid, fused stranded or stranded (7, 16, and 19 strands) wire with PVC insulation can be used on 18 AWG [0.8–0.9 mm²] MTA-156 connectors; 7, 10, and 19 stranded wire on 20 AWG [0.5–0.6 mm²] MTA-156 connectors; and 7 and 19 stranded wire on 22–26 AWG [0.4–0.12 mm²] MTA-156 connectors.

Only one wire to be terminated into an IDC contact slot.

Mass termination of wire provides the lowest applied cost because it drastically reduces the labor content of virtually any cable or harness assembly required.

The wire-to-post connector housing material is flame retardant thermoplastic, either UL94V-2 or UL94V-0 rated.

A full line of .156 [3.96] centerline headers completes the system. Headers are available with straight or right angle posts, in flat or friction lock styles. Headers are available in 2 through 24 positions.

Note: Refer to pages 42 thru 46 for approved wire listings.

Performance Data*

Voltage Rating — 250 vac

Current Rating — 5 amp max. for MTA-156 Connector

Low-Level Resistance — 3.0 mΩ max. initial

Dielectric Withstanding Voltage — 1250 vac/1 min.

Insulation Resistance — 5000 MΩ min. initial

Operating Temperature — –55° C to +105° C

*Refer to the Product Specification for additional electrical, mechanical and environmental performance tests and requirements.

Technical Documents

Product Specification

108-1051 MTA-156 Connectors

Application Specifications

114-1020 MTA-156 Connectors, Posted Connectors and Card Edge Connectors

114-1032 MTA-156 Ribbon Cable Assembly