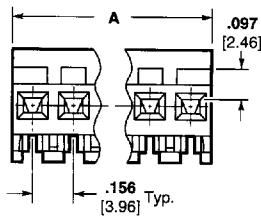
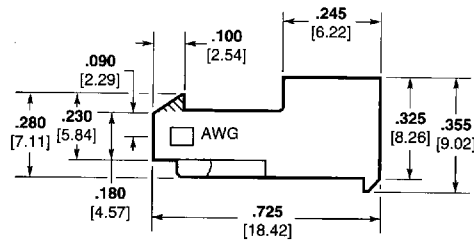
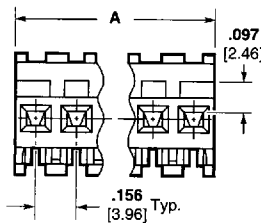


MTA-156 IDC Quad Connectors — Closed End and Feed-Thru

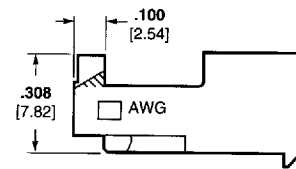
Closed End with Locking Ramp



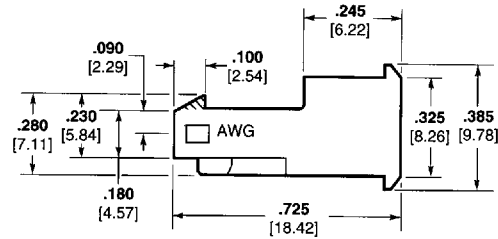
Feed-Thru with Locking Ramp



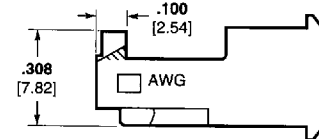
without Polarizing Tabs



with Polarizing Tabs



without Polarizing Tabs



with Polarizing Tabs

Material and Finish

Housing — UL94V-0 rated, 6/6 nylon, black

Contacts — High conductivity copper alloy, post tin plated

For strain relief and dust covers, see page 24 and 25.

For mating half visuals, see pages 28, 29, 30 and 32 (31 and 33 Front Bend Headers only). Mates with tin-plated square posts only.

Connector Ordering Information

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

Prefixes and suffixes are determined by the number of circuit positions in the connector. For example, the complete part number for a 10-position closed end connector with locking ramp and without polarizing tabs for 18 AWG wire would be:

Base number **644329** plus prefix-and-suffix

1- -0

The correct ordering number is **1-644329-0**

Replacement IDC Contacts

Material and Finish

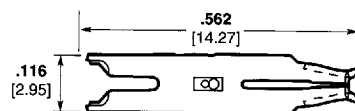
Contacts — High conductivity copper alloy post tin plated

Base Part Numbers

Connector Type & Wire Size	Closed End with Locking Ramp				Feed-Thru with Locking Ramp			
	Without Tabs		With Tabs		Without Tabs		With Tabs	
	Connector Part Nos.	No. of Circuits	Connector Part Nos.	No. of Circuits	Connector Part Nos.	No. of Circuits	Connector Part Nos.	No. of Circuits
Standard UL94V-0, Tin Plated								
18 AWG 0.8-0.9 mm ²	644329	2-12	644381	2-12	644375	2-12	644387	2-12
20 AWG 0.5-0.6 mm ²	644370	2-12	644382	2-12	644376	2-12	644388	2-12
22 AWG 0.3-0.4 mm ²	644371	2-12	644383	2-12	644377	2-12	644389	2-12

Connector Length

No. of Circuits	Dim. A	Prefix/Suffix	No. of Circuits	Dim. A	Prefix/Suffix
2	.312 7.92	-2	8	1.248 31.7	-8
3	.468 11.89	-3	9	1.404 35.66	-9
4	.624 15.85	-4	10	1.560 39.62	1- -0
5	.780 19.81	-5	11	1.716 43.59	1- -1
6	.936 23.77	-6	12	1.872 47.55	1- -2





Wire Size	Part Numbers
AWG	
18	644508-1
20	644509-1
22	644510-1

Note: AMP Incorporated does not recommend terminating an MTA contact more than one time. Use replacement contacts when required for field repairs or wire gage changes.

MTA-156
.156 [3.96]

MTA-156 IDC Quad Connectors

Product Facts

- Provides four points of contact
- Greater current carrying capability
- Connector styles include both closed end and feed-thru with locking ramp, with and without polarizing tabs in 2 through 12 positions
- Available for wire ranges of 18-22 AWG [0.9-0.3 mm²]
- Contacts are lubricated to prevent fretting corrosion
- Complies with AMP Specification 109-151, "Current Rating Verification"
- Uses existing MTA application tooling for termination
- Quad connectors preloaded with contacts
- All contacts are slotted for insulation displacement (IDC) termination technique
- Connectors and headers are end to end stackable
- Recognized under the Component Program of Underwriters Laboratories Inc., File No. E28476 
- Certified by Canadian Standards Association File No. LR 7189 
- Satisfies the VDE requirements according to VDE 110, Insulation Group B, 250 vac for air and creepage paths



The MTA-156 Quad Connector provides a connection with four points of contact. The UL94V-0 rated connector with multi-point contacts provides greater current carrying capability. These connectors comply with AMP Specification 109-151* and satisfy the VDE requirements according to VDE 110.

The connectors are available for wire ranges of 18-22 AWG [0.9-0.3 mm²] and in a variety of styles including closed end and feed-thru with locking ramp, with and without polarizing tabs.

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

*The 109-151 Test Specification is the new AMP Current Rating Verification Procedure. Its purpose is to provide a means for verifying the maximum current carrying capacity of the device.

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

The MTA-156 Quad Connectors only mate with standard MTA-156 square post headers and use existing MTA application tooling for termination.

Performance Data

- Voltage Rating** — 250 vac
- Current Rating** — 12.5 amp max. Refer to Product Specification for current rating chart.
- Low-Level Resistance** — 3.0 mΩ max. initial
- Dielectric Withstanding Voltage** — 1500 vac/1 min.
- Insulation Resistance** — 5000 MΩ min. initial
- Operating Temperature** — -55° C to +105° C

This matrix has been prepared to assist you, our customer, in defining the correct mating halves for the MTA-156 header and connector combination. Where a "Y" is indicated the combination is a valid mating pair. Where an "N" is indicated the combination is not acceptable for mating.

Headers

	640383	640385	640389	640445	644611	644613	644615	644617	644749	644751	644752	644754
644329	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
644370	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
644371	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
644375	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
644376	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
644377	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
644381	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
644382	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
644383	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
644387	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
644388	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
644389	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

Technical Documents

- Product Specifications**
108-1219 Connector System, MTA-156, Quad
- Application Specifications**
114-1048 MTA-156 Quad Connector

For drawings, technical data or samples, contact your AMP sales engineer or call the AMP Product Information Center 1-800-522-6752. Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents. Specifications subject to change. Consult AMP for latest specifications.

MTA-156
.156 [3.96]