

MTA-156 IDC Connectors—Feed-Thru

Material and Finish

Housing — UL94V-2 rated, nylon, see below for color; or UL94V-0 rated, nylon, black

Contacts — Phosphor bronze; post tin plated, .000030 [.00076] or .000015 [.00038] post gold plated over nickel

Color Coding by Wire Size for UL94V-2 Connectors

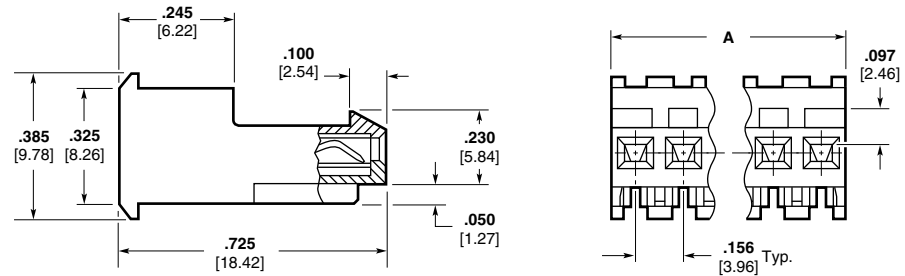
- 26 AWG — Blue
- 24 AWG — White
- 22 AWG — Red
- 20 AWG — Yellow
- 18 AWG — Orange

All Wire Sizes in UL94V-0 — Black

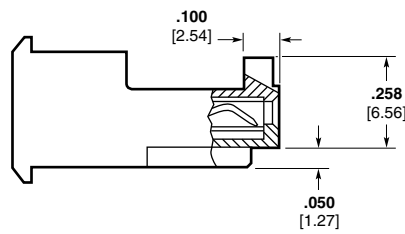
Notes:

1. Only connectors with locking ramp and without polarizing tabs mate with posted connectors on page 45.
2. Refer to pages 70 thru 74 for approved wire listing.
3. For strain reliefs and dust covers, see pages 40 and 41.
4. For keying plugs and panel mount end caps, see page 42.
5. Other circuit sizes are available upon request. Minimums may apply.
6. Connector circuits can be molded closed for keying purposes. Minimums may apply.
7. Where no part numbers appear in the chart, parts can be made available upon request. Minimums may apply.
8. To determine connector overall length (Dim. A), multiply .156 x the number of circuits. Example: .156 x 10 circuits equals 1.560 inches [39.62 mm].

Feed-Thru with Locking Ramp



without Polarizing Tabs

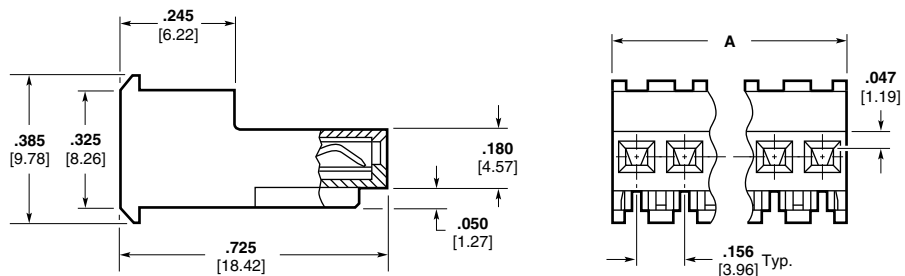


with Polarizing Tabs

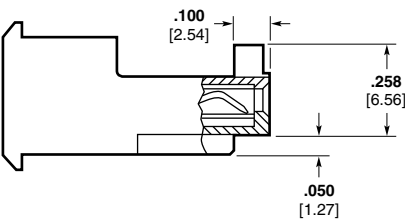
For mateability options, see matrix on pages 34 and 35.

Mating half visuals for Feed-Thru Connectors with Locking Ramp, see pages 45 thru 48, 50, 52, and 53, (49 and 51 Front Bend Headers Only).

Feed-Thru without Locking Ramp



without Polarizing Tabs



with Polarizing Tabs

For mateability options, see matrix on pages 34 and 35.

Mating half visuals for Feed-Thru Connectors without Locking Ramp, see pages 46 thru 53.

MTA-156
.156 [3.96]

MTA-156 IDC Connectors—Feed-Thru (Continued)

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 feed-thru connector with locking ramp and without polarizing tabs for 18 AWG wire would be:

Base number **640599** plus
prefix-and-suffix
4- -0

The correct ordering number is

4-640599-0

The part numbers in **bold face** are the RoHS equivalent version. Example:

No. of Pos.	Lead Free RoHS Prefix/Suffix
2	3-640599-2
3	3-640599-3
4	3-640599-4
5	3-640599-5
6	3-640599-6
7	3-640599-7
8	3-640599-8
9	3-640599-9
10	4-640599-0
11	4-640599-1
12	4-640599-2
13	4-640599-3
14	4-640599-4
15	4-640599-5
16	4-640599-6
17	4-640599-7
18	4-640599-8
19	4-640599-9
20	5-640599-0
21	5-640599-1
22	5-640599-2
23	5-640599-3
24	5-640599-4

Note: All RoHS equivalent part numbers may not be available upon catalog release. If the number you need is not available, please contact Product Engineering to expedite your request.

Base Part Numbers

Connector Type & Wire Size	Feed-Thru with Locking Ramp				Feed-Thru without Locking Ramp			
	Without Tabs		With Tabs		Without Tabs		With Tabs	
	Connector Part Nos.	Connector RoHS Equiv.	Connector Part Nos.	RoHS Equiv.	Connector Part Nos.	RoHS Equiv.	Part Nos.	RoHS Equiv.
Standard UL94V-2, Tin Plated								
18 AWG 0.8–0.9 mm ²	640599	32-54	644465 ¹	32-44	640604	32-54	644469 ¹	32-44
20 AWG 0.5–0.6 mm ²	640600	32-54	644466 ¹	32-44	640605	32-54	644470 ¹	32-44
22 AWG 0.3–0.4 mm ²	640601	32-54	644467 ¹	32-44	640606	32-54	644471 ¹	32-44
24 AWG 0.2 mm ²	640602	32-54	644468 ¹	32-44	640607	32-54	644472 ¹	32-44
26 AWG 0.12–0.15 mm ²	640595	32-54	—	—	640608	32-54	—	—
Tape Mounted on Reel UL94V-2, Tin Plated								
18 AWG 0.8–0.9 mm ²	641302	32-54	—	—	641306	32-54	—	—
20 AWG 0.5–0.6 mm ²	641303	32-54	—	—	641307	32-54	—	—
22 AWG 0.3–0.4 mm ²	641304	32-54	—	—	641308	32-54	—	—
24 AWG 0.2 mm ²	641305	32-54	—	—	641309	32-54	—	—
26 AWG 0.12–0.15 mm ²	641301	32-54	—	—	641310	32-54	—	—
Standard UL94V-2, .00003 [.00076] Gold Plated								
18 AWG 0.8–0.9 mm ²	641227	32-54	644718 ¹	32-44	641232	32-54	—	—
20 AWG 0.5–0.6 mm ²	641228	32-54	—	—	641233	32-54	—	—
22 AWG 0.3–0.4 mm ²	641229	32-54	644720 ¹	32-44	641234	32-54	—	—
24 AWG 0.2 mm ²	641230	32-54	—	—	641235	32-54	—	—
26 AWG 0.12–0.15 mm ²	641231	32-54	—	—	641236	32-54	—	—
Standard UL94V-2, .000015 [.00038] Gold Plated								
18 AWG 0.8–0.9 mm ²	641168	32-54	647479 ¹	32-42	641173	32-54	—	—
20 AWG 0.5–0.6 mm ²	641169	32-54	—	—	641174	32-54	—	—
22 AWG 0.3–0.4 mm ²	641170	32-54	647496 ¹	32-42	641175	32-54	—	—
24 AWG 0.2 mm ²	641171	32-54	—	—	641176	32-54	—	—
26 AWG 0.12–0.15 mm ²	641172	32-54	—	—	641177	32-54	—	—
Standard UL94V-0, Tin Plated								
18 AWG 0.8–0.9 mm ²	—	—	—	—	644567 ¹	32-42	644570 ¹	32-42
22 AWG 0.3–0.4 mm ²	—	—	—	—	644569 ¹	32-42	644572 ¹	32-42

¹ Other circuit sizes are available upon request. Minimums may apply.

Note: Blocked circuit configurations are available upon request. Contact product engineer or product manager for details. Minimums may apply.