

MTA-156 IDC Connectors—Closed End

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 [0.00076] or .000015 [0.00038] post gold plated over nickel

Color Coding by Wire Size for UL94V-2 Connectors

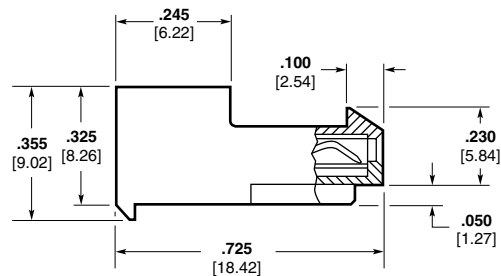
26 AWG—Blue
24 AWG—White
22 AWG—Red
20 AWG—Yellow
18 AWG—Orange

All Wire Sizes in UL94V-0—Black

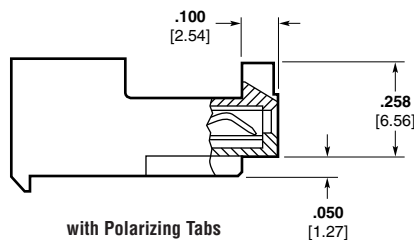
Notes:

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].

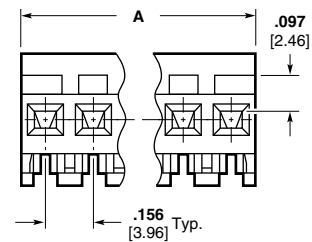
Closed End with Locking Ramp



without Polarizing Tabs



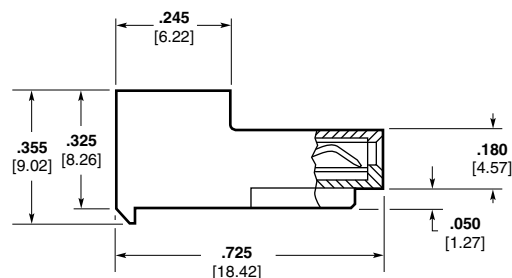
with Polarizing Tabs



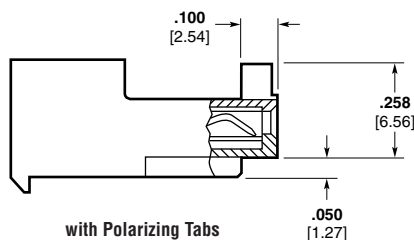
For mateability options, see matrix on pages 34 and 35.

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

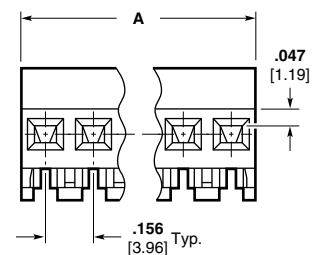
Closed End without Locking Ramp



without Polarizing Tabs



with Polarizing Tabs



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

Mating half visuals for Closed End Connectors without Locking Ramp, see pages 46 thru 53.

MTA-156 IDC Connectors—Closed End (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 closed end connector with locking ramp and without polarizing tabs for 18 AWG wire would be:

Base number **640426** plus prefix-and-suffix

4 — -0

The correct ordering number is

4-640426-0

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

No. of Pos.	Lead Free RoHS Prefix/Suffix
2	3-640426-2
3	3-640426-3
4	3-640426-4
5	3-640426-5
6	3-640426-6
7	3-640426-7
8	3-640426-8
9	3-640426-9
10	4-640426-0
11	4-640426-1
12	4-640426-2
13	4-640426-3
14	4-640426-4
15	4-640426-5
16	4-640426-6
17	4-640426-7
18	4-640426-8
19	4-640426-9
20	5-640426-0
21	5-640426-1
22	5-640426-2
23	5-640426-3
24	5-640426-4

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	Closed End with Locking Ramp				Closed End without Locking Ramp			
	Without Tabs		With Tabs		Without Tabs		With Tabs	
	Connector Part Nos.	Connector RoHS Equiv.	Connector Part Nos.	Connector RoHS Equiv.	Connector Part Nos.	RoHS Equiv.	Part Nos.	RoHS Equiv.
Standard UL94V-2, Tin Plated								
18 AWG 0.8–0.9 mm ²	640426	32–54	643817	32–54	640431	32–54	644461 ¹	32–44
20 AWG 0.5–0.6 mm ²	640427	32–54	643818	32–54	640432	32–54	644462 ¹	32–44
22 AWG 0.3–0.4 mm ²	640428	32–54	643819	32–54	640433	32–54	644463 ¹	32–44
24 AWG 0.2 mm ²	640429	32–54	643820	32–54	640434	32–54	644464 ¹	32–44
26 AWG 0.12–0.15 mm ²	640430	32–54	643821	32–54	640435	32–54	—	—
Tape Mounted on Reel UL94V-2, Tin Plated								
18 AWG 0.8–0.9 mm ²	640472	32–54	644878	32–54	640477	32–54	—	—
20 AWG 0.5–0.6 mm ²	640473	32–54	—	—	640478	32–54	—	—
22 AWG 0.3–0.4 mm ²	640474	32–54	644783	32–54	640479	32–54	644791 ¹	32–44
24 AWG 0.2 mm ²	640475	32–54	—	—	640480	32–54	—	—
26 AWG 0.12–0.15 mm ²	640476	32–54	—	—	640481	32–54	—	—
Standard UL94V-2, .000030 [0.00076] Gold Plated								
18 AWG 0.8–0.9 mm ²	641217	32–54	644460 ¹	32–42	641222	32–54	—	—
20 AWG 0.5–0.6 mm ²	641218	32–54	644663 ¹	32–42	641223	32–54	—	—
22 AWG 0.3–0.4 mm ²	641219	32–54	644662 ¹	32–42	641224	32–54	644687 ¹	32–44
24 AWG 0.2 mm ²	641220	32–54	—	—	641225	32–54	—	—
26 AWG 0.12–0.15 mm ²	641221	32–54	—	—	641226	32–54	—	—
Standard UL94V-2, .000015 [0.00038] Gold Plated								
18 AWG 0.8–0.9 mm ²	641148	32–54	644284 ¹	32–42	641153	32–54	—	—
20 AWG 0.5–0.6 mm ²	641149	32–54	—	—	641154	32–54	—	—
22 AWG 0.3–0.4 mm ²	641150	32–54	647478 ¹	32–42	641155	32–54	—	—
24 AWG 0.2 mm ²	641151	32–54	—	—	641156	32–54	—	—
26 AWG 0.12–0.15 mm ²	641152	32–54	—	—	641157	32–54	—	—
Standard UL94V-0, Tin Plated (Black in color)								
18 AWG 0.8–0.9 mm ²	644860 ¹	32–42	—	—	644502 ¹	32–42	644082 ¹	32–42
22 AWG 0.3–0.4 mm ²	—	—	—	—	644501 ¹	32–42	644566 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.