

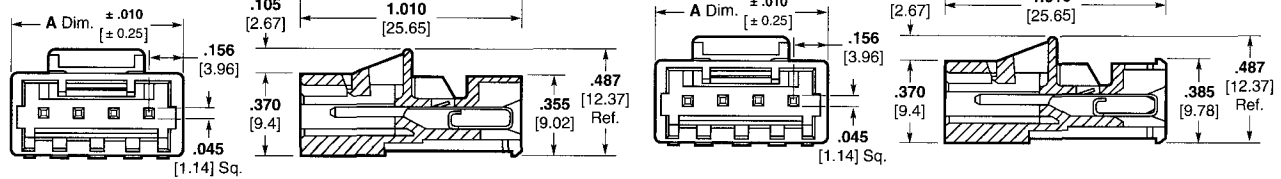
*Electronics*

**MTA-156 IDC Posted Connectors (Wire-to-Wire)—Closed End, Feed-Thru**

**Material and Finish**

**Housing** — UL 94V-2 rated, nylon,  
see chart for color

**Contacts** — Copper alloy, post tin or  
.000030 [.00076] gold plated over  
nickel



**Notes:**

1. Mating half visuals - pages 36 thru 39.
2. Strain relief & dust covers - pages 40 & 41.
3. Approved wire listing - page 70.

**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 12-position closed end connector for 18 AWG wire would be:

Base number **641435** plus prefix-and-suffix  
**1- -2**

The correct ordering number is  
**1-641435-2**

See page 15 for an explanation of RoHS lead free equivalents.

**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.

**Color Coding by Wire Size for UL 94V-2 Connectors**

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

**Performance Data**

**Voltage Rating** — 600 VAC

**Current Rating** — 7 amp max.

**Low-Level Resistance** —  
7 mΩ max. initial

**Dielectric Withstanding Voltage** —  
1500 VAC/1 min.

**Insulation Resistance** —  
5000 MΩ min. initial

**Operating Temperature** —  
-55° C to +105° C

**Closed End**

**Feed-Thru**

**Base Part Numbers**

Connector Type & Wire Size	Closed End Connector <sup>1</sup>		Feed-Thru Connector <sup>1</sup>	
	Part Nos.	No. of Circuits/ RoHS Equiv.	Part Nos.	No. of Circuits/ RoHS Equiv.
<b>Standard UL 94V-2, Tin Plated</b>				
18 AWG 0.8-0.9 mm <sup>2</sup>	641435	2, 3, 4, 6, 9, 12, 15, 24 32, 33, 34, 36, 39, 42, 45, 54	641522	2, 3, 4, 6, 9, 12, 15, 24 32, 33, 34, 36, 39, 42, 45, 54
20 AWG 0.5-0.6 mm <sup>2</sup>	641436	2, 3, 4, 6, 9, 12, 15, 24 32, 33, 34, 36, 39, 42, 45, 54	641523	2, 3, 4, 6, 9, 12, 15, 24 32, 33, 34, 36, 39, 42, 45, 54
22 AWG 0.3-0.4 mm <sup>2</sup>	641437	2, 3, 4, 6, 9, 12, 15, 24 32, 33, 34, 36, 39, 42, 45, 54	641524	2, 3, 4, 6, 9, 12, 15, 24 32, 33, 34, 36, 39, 42, 45, 54
24 AWG 0.2 mm <sup>2</sup>	641438	2, 3, 4, 6, 9, 12, 15, 24 32, 33, 34, 36, 39, 42, 45, 54	641525	2, 3, 4, 6, 9, 12, 15, 24 32, 33, 34, 36, 39, 42, 45, 54
26 AWG 0.12-0.15 mm <sup>2</sup>	641439	2, 3, 4, 6, 9, 12, 15, 24 32, 33, 34, 36, 39, 42, 45, 54	641526	2, 3, 4, 6, 9, 12, 15, 24 32, 33, 34, 36, 39, 42, 45, 54
<b>Standard UL 94V-2, .000030 [0.00076] Gold Plated</b>				
18 AWG 0.8-0.9 mm <sup>2</sup>	644807	2, 3, 4, 6, 9, 12, 15, 24 32, 33, 34, 36, 39, 42, 45, 54	644812	2, 3, 4, 6, 9, 12, 15, 24 32, 33, 34, 36, 39, 42, 45, 54
20 AWG 0.5-0.6 mm <sup>2</sup>	—	—	—	—
22 AWG 0.3-0.4 mm <sup>2</sup>	644809	2, 3, 4, 6, 9, 12, 15, 24 32, 33, 34, 36, 39, 42, 45, 54	644814	2, 3, 4, 6, 9, 12, 15, 24 32, 33, 34, 36, 39, 42, 45, 54
24 AWG 0.2 mm <sup>2</sup>	—	—	—	—
26 AWG 0.12-0.15 mm <sup>2</sup>	—	—	—	—
<b>Standard UL 94V-2, .000015 [0.00038] Gold Plated</b>				
18 AWG 0.8-0.9 mm <sup>2</sup>	647476	2, 3, 4, 6, 9, 12, 15, 24 32, 33, 34, 36, 39, 42, 45, 54	647481	2, 3, 4, 6, 9, 12, 15, 24 32, 33, 34, 36, 39, 42, 45, 54
22 AWG 0.3-0.4 mm <sup>2</sup>	643995	2, 3, 4, 6, 9, 12, 15, 24 32, 33, 34, 36, 39, 42, 45, 54	647497	2, 3, 4, 6, 9, 12, 15, 24 32, 33, 34, 36, 39, 42, 45, 54

<sup>1</sup> MTA-156 Posted Connectors (Closed End and Feed-Thru) will **Only mate** with MTA-156 connectors with locking ramp and without polarizing tabs. They **will NOT mate** with MTA-156 Quad Connectors.

<sup>2</sup> Parts can be made available upon request. Minimums may apply.

No. of Circuits	Dim.		Suffix	No. of Circuits	Dim.		Prefix/ Suffix
	A	B			A	B	
2	.468	.316	-2	9	1.560	1.408	-9
	11.89	8.03			39.62	35.76	
3	.624	.472	-3	12	2.028	1.876	1- -2
	15.85	11.99			51.51	47.65	
4	.780	.628	-4	15	2.496	2.344	1- -5
	19.81	15.95			63.40	59.54	
6	1.092	.940	-6	24	3.900	3.748	2- -4
	27.74	23.88			99.06	95.20	

**Technical Documents**

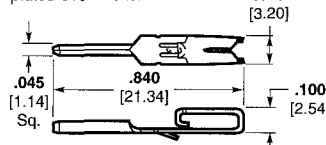
**Product Specification**  
108-1065 MTA-156 Posted Connector

**Application Specification**  
114-1020 MTA-156 Connectors, Posted Connectors and Card Edge Connectors

**Replacement IDC Contacts**

**Material and Finish**

**Contacts** — Copper alloy, post tin plated over nickel



AWG	Wire Size mm <sup>2</sup>	Part Numbers
18	0.8-0.9	3-641425-1
20	0.5-0.6	3-641426-1
22	0.3-0.4	3-641427-1
24	0.2	3-641428-1
26	0.12-0.15	3-641429-1