

IDC Connectors — Closed End

Material and Finish:

Housing — UL94V-2 rated, type 6/6 or 6/12 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:

- Only connectors with locking ramp and without polarizing tabs mate with posted connectors on page 2206.
- Refer to page 2219 for approved wire listing.
- For strain reliefs and dust covers, see page 2204.
- For keying plugs and panel mount end caps, see page 2205.
- Other circuit sizes are available upon request. Minimums may apply.
- Connector circuits can be molded closed for keying purposes. Minimums may apply.
- Where no part numbers appear in the chart, parts can be made available upon request. Minimums may apply.
- 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].

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 **xxxxxx** plus prefix-and-suffix

1- -0

The correct ordering number is

1-xxxxxx-0

Base Part Numbers

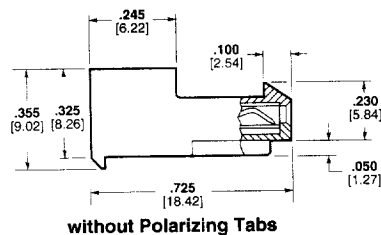
Connector Type & Wire Size	Closed End with Locking Ramp				Closed End without Locking Ramp			
	Without Tabs		With Tabs		Without Tabs		With Tabs	
	Connector Part Numbers	No. of Circuits	Connector Part Numbers	No. of Circuits	Connector Part Numbers	No. of Circuits	Connector Part Numbers	No. of Circuits
Standard UL94V-2, Tin Plated								
18 AWG 0.8-0.9 mm ²	640426	2-24	643817	2-24	640431	2-24	644461 ⁵	2-14
20 AWG 0.5-0.6 mm ²	640427	2-24	643818	2-24	640432	2-24	644462 ⁵	2-14
22 AWG 0.3-0.4 mm ²	640428	2-24	643819	2-24	640433	2-24	644463 ⁵	2-14
Standard UL94V-2, .000030 [0.00076] Gold Plated								
18 AWG 0.8-0.9 mm ²	641217	2-24	644460 ⁵	2-12	641222	2-24	—	—
20 AWG 0.5-0.6 mm ²	641218	2-24	644463 ⁵	2-12	641223	2-24	—	—
22 AWG 0.3-0.4 mm ²	641219	2-24	644462 ⁵	2-12	641224	2-24	644467 ⁵	2-14
24 AWG 0.2 mm ²	641220	2-24	—	—	641225	2-24	—	—
26 AWG 0.12-0.15 mm ²	641221	2-24	—	—	641226	2-24	—	—
Standard UL94V-2, .000015 [0.00038] Gold Plated								
18 AWG 0.8-0.9 mm ²	641148	2-24	644284 ⁵	2-12	641153	2-24	—	—
22 AWG 0.3-0.4 mm ²	641150	2-24	—	—	641155	2-24	—	—

⁵ Other circuit sizes are available upon request. Minimums may apply.

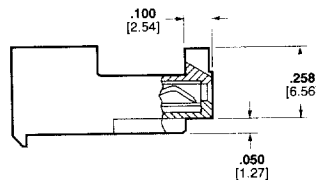
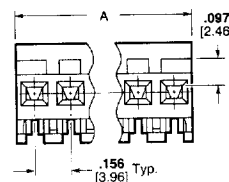
⁶ With High Force contacts

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

Closed End with Locking Ramp

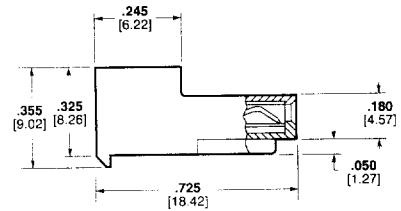


without Polarizing Tabs

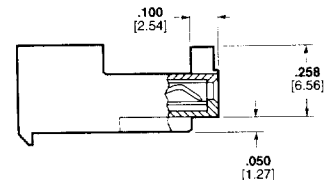
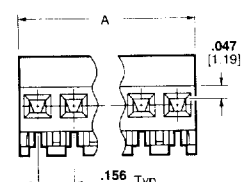


with Polarizing Tabs

Closed End without Locking Ramp



without Polarizing Tabs



with Polarizing Tabs

Mating half visuals for Closed End Connectors with Locking Ramp, see pages 2206 thru 2211 (2208 and 2209 Front Bend Headers Only).

Mating half visuals for Closed End Connectors without Locking Ramp, see pages 2207 thru 2211.

For mateability options, see matrix on pages 2200 and 2201.

For complete product information, order Catalog 82056