

MTA-156 Connector Accessories

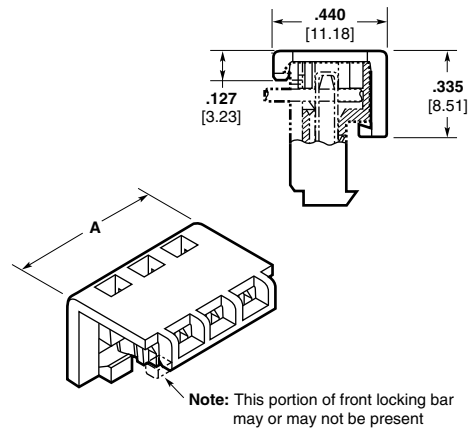
Closed End Covers

Material (RoHS Compliant)

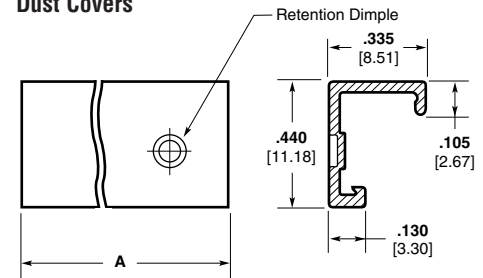
Strain Relief Covers—UL94V-2 rated, nylon, white

Dust Covers—UL94V-0 rated, polyester, white

Strain Relief Covers



Dust Covers



Base Part Numbers

Closed End			
Strain Relief Covers		Dust Covers	
Cover Part Nos.	No. of Circuits	Cover Part Nos.	No. of Circuits
643067	2-24	640551	2-24

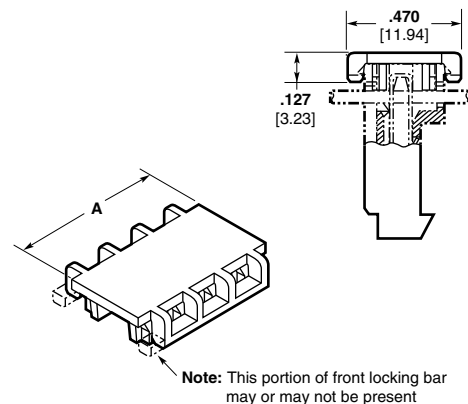
Feed-Thru Covers

Material (RoHS Compliant)

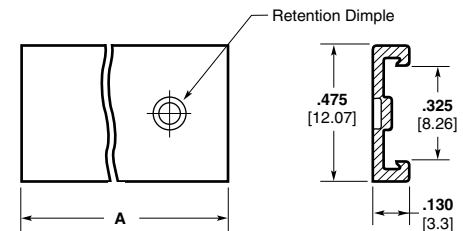
Strain Relief Covers—UL94V-2 rated, nylon, white

Dust Covers—UL94V-0 rated, polyester, white

Strain Relief Covers



Dust Covers



Base Part Numbers

Feed-Thru			
Strain Relief Covers		Dust Covers	
Cover Part Nos.	No. of Circuits	Cover Part Nos.	No. of Circuits
643071	2-24	640643	2-24

Cover Ordering Information

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

Prefixes and suffixes are determined by the number of circuit positions in the cover. For example, the complete part number for a 10-position closed-end strain relief cover would be:

Base number **643067** plus prefix-and-suffix

1- -0

The correct ordering number is

1-643067-0

Cover Length

No. of Circuits	Dim. A	Prefix/Suffix
2	.312 7.92	-2
3	.468 11.89	-3
4	.624 15.85	-4
5	.780 19.81	-5
6	.936 23.77	-6
7	1.092 27.74	-7
8	1.248 31.7	-8
9	1.404 35.66	-9

No. of Circuits	Dim. A	Prefix/Suffix
10	1.560 39.62	1- -0
11	1.716 43.59	1- -1
12	1.872 47.55	1- -2
13	2.028 51.51	1- -3
14	2.184 55.47	1- -4
15	2.340 59.44	1- -5
16	2.496 63.4	1- -6
17	2.652 67.36	1- -7

No. of Circuits	Dim. A	Prefix/Suffix
18	2.808 71.32	1- -8
19	2.964 75.29	1- -9
20	3.120 79.25	2- -0
21	3.276 83.21	2- -1
22	3.432 87.17	2- -2
23	3.588 91.14	2- -3
24	3.744 95.1	2- -4

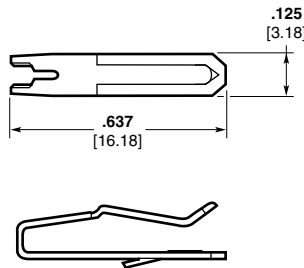
MTA-156 Connector Accessories (Continued)

Replacement IDC Contacts

Material and Finish

Contacts — Phosphor bronze, post tin plated; .000030 [0.00076] or .000015 [0.00038] post gold plated over nickel

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

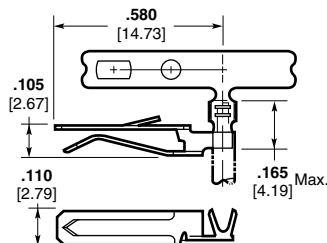


Wire Size		Part Numbers		
AWG	mm ²	Tin Plated	.000030 [0.00076] Gold Plated	.000015 [0.00038] Gold Plated
18	0.8–0.9	640631-3	641143-4	641143-3
20	0.5–0.6	640632-3	641144-4	641144-3
22	0.3–0.4	640633-3	641145-4	641145-3
24	0.2	640634-3	641146-4	641146-3
26	0.12–0.15	640635-3	641147-4	641147-3

Crimp Snap-in Contacts

Material and Finish

Contacts — Phosphor bronze, tin plated



Wire Size		Part Nos.	
AWG	mm ²	Loose Piece*	Strip**
26–22	.12–0.3	640557-3	640556-3
22–18	0.3–0.9	640559-3	640558-3

*Hand Tool No. 59837-1 (408-6528)

**AMP-O-ELECTRIC Model "G" Termination Machine (Request Catalog 65828)

Note: Requires applicator. For part number, call Technical Support.

Special applications for crimp snap-in contacts are:

1. Double wire per contact
2. Coax or shielded wire
3. Mixed wire size in same connector

Note: Only one crimp snap-in contact per connector.

MTA-156 Connector Accessories (Continued)

Keying Plugs

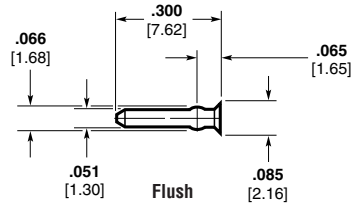
Material (RoHS Compliant)

UL94V-2 rated, nylon, natural color

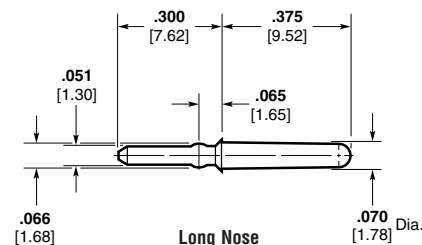
Note: Removal of contact is not necessary when using keying plug.

Loose Piece

Part No. 640629-1 (Flush)
Used with keyed headers

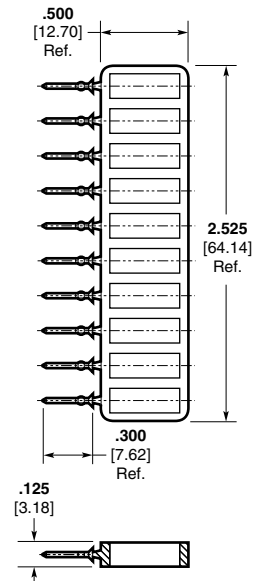


Part No. 640630-1 (Long Nose)
Used with staked post



On Carrier Strip

Part No. 641623-1 (Flush)
(10 per strip)



Panel Mount End Caps

Part No. 641440-1

Part No. 641533-1

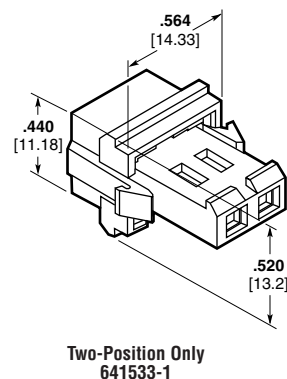
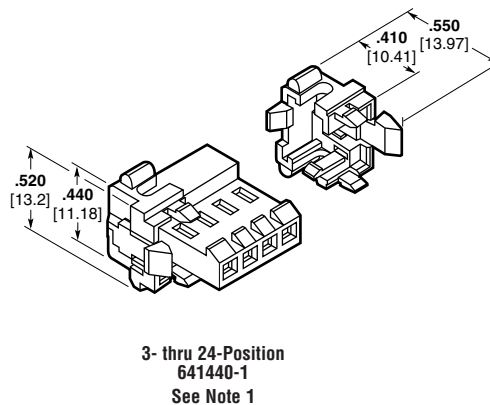
(2-position only)

Material (RoHS Compliant)

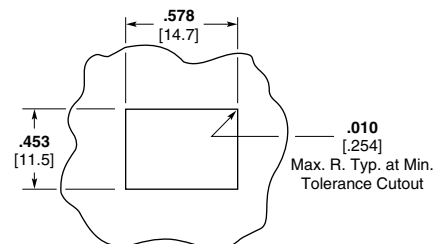
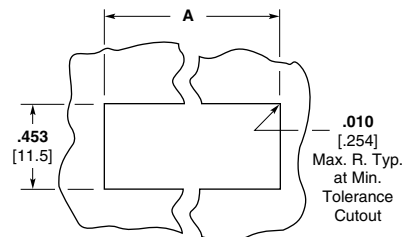
UL94V-2 rated, nylon, black

Notes:

- Both left-hand and right-hand end caps are attached by a connecting tab. This tab must be broken off prior to installing on connector.
- For best results attach panel mount end caps to the MTA-156 (IDC) connectors shown on pages 36 thru 39. While not preferred, panel mount end caps can be attached to MTA-156 (IDC) posted connector on page 45.



No. of Pos.	Dim. A
3	.736 18.69
4	.892 22.66
6	1.204 30.58
9	1.672 42.47
12	2.140 54.36
15	2.608 66.24
24	4.012 101.9



Recommended Panel Cutout
(Recommended Panel Thickness .062 [1.57] to .067 [1.70] max.)

MTA-156 Posted Connector/Connector Mateability Guide

Matrix for Tin Plated Part Numbers

This matrix has been prepared to assist you, our customer, in defining the correct mating halves for the MTA-156 posted connector 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.

Connectors

	641435	641436	641437	641438	641439	641522	641523	641524	641525	641526	Posted Connectors
640426	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
640427	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
640428	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
640429	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
640430	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
640431	N	N	N	N	N	N	N	N	N	N	
640432	N	N	N	N	N	N	N	N	N	N	
640433	N	N	N	N	N	N	N	N	N	N	
640434	N	N	N	N	N	N	N	N	N	N	
640435	N	N	N	N	N	N	N	N	N	N	
640472	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
640473	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
640474	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
640475	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
640476	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
640477	N	N	N	N	N	N	N	N	N	N	
640478	N	N	N	N	N	N	N	N	N	N	
640479	N	N	N	N	N	N	N	N	N	N	
640480	N	N	N	N	N	N	N	N	N	N	
640481	N	N	N	N	N	N	N	N	N	N	
640595	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
640599	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
640600	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
640601	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
640602	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
640604	N	N	N	N	N	N	N	N	N	N	
640605	N	N	N	N	N	N	N	N	N	N	
640606	N	N	N	N	N	N	N	N	N	N	
640607	N	N	N	N	N	N	N	N	N	N	
640608	N	N	N	N	N	N	N	N	N	N	
641301	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
641302	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
641303	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
641304	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
641305	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
641306	N	N	N	N	N	N	N	N	N	N	
641307	N	N	N	N	N	N	N	N	N	N	
641308	N	N	N	N	N	N	N	N	N	N	
641309	N	N	N	N	N	N	N	N	N	N	
641310	N	N	N	N	N	N	N	N	N	N	
643817	N	N	N	N	N	N	N	N	N	N	
643818	N	N	N	N	N	N	N	N	N	N	
643819	N	N	N	N	N	N	N	N	N	N	
643820	N	N	N	N	N	N	N	N	N	N	
643821	N	N	N	N	N	N	N	N	N	N	
644082	N	N	N	N	N	N	N	N	N	N	
644461	N	N	N	N	N	N	N	N	N	N	
644462	N	N	N	N	N	N	N	N	N	N	
644463	N	N	N	N	N	N	N	N	N	N	
644464	N	N	N	N	N	N	N	N	N	N	
644465	N	N	N	N	N	N	N	N	N	N	
644466	N	N	N	N	N	N	N	N	N	N	
644467	N	N	N	N	N	N	N	N	N	N	
644468	N	N	N	N	N	N	N	N	N	N	
644469	N	N	N	N	N	N	N	N	N	N	
644470	N	N	N	N	N	N	N	N	N	N	
644471	N	N	N	N	N	N	N	N	N	N	
644472	N	N	N	N	N	N	N	N	N	N	
644501	N	N	N	N	N	N	N	N	N	N	
644502	N	N	N	N	N	N	N	N	N	N	
644566	N	N	N	N	N	N	N	N	N	N	
644567	N	N	N	N	N	N	N	N	N	N	
644569	N	N	N	N	N	N	N	N	N	N	
644570	N	N	N	N	N	N	N	N	N	N	
644572	N	N	N	N	N	N	N	N	N	N	
644783	N	N	N	N	N	N	N	N	N	N	
644791	N	N	N	N	N	N	N	N	N	N	
644860	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
644878	N	N	N	N	N	N	N	N	N	N	

MTA-156 Posted Connector/Connector Mateability Guide (Continued)

This matrix has been prepared to assist you, our customer, in defining the correct mating halves for the MTA-156 posted connector 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.

Matrix for .000030
[0.00076] Gold Plated
Part Numbers

Posted Connectors

Connectors	Posted Connectors			
	644807	644809	644812	644814
641217	Y	Y	Y	Y
641218	Y	Y	Y	Y
641219	Y	Y	Y	Y
641220	Y	Y	Y	Y
641221	Y	Y	Y	Y
641222	N	N	N	N
641223	N	N	N	N
641224	N	N	N	N
641225	N	N	N	N
641226	N	N	N	N
641227	Y	Y	Y	Y
641228	Y	Y	Y	Y
641229	Y	Y	Y	Y
641230	Y	Y	Y	Y
641231	Y	Y	Y	Y
641232	N	N	N	N
641233	N	N	N	N
641234	N	N	N	N
641235	N	N	N	N
641236	N	N	N	N
644460	N	N	N	N
644662	N	N	N	N
644663	N	N	N	N
644687	N	N	N	N
644718	N	N	N	N
644720	N	N	N	N

Matrix for .000015
[0.00038] Gold Plated
Part Numbers

Posted Connectors

Connectors	Posted Connectors			
	643995	647476	647481	647497
641148	Y	Y	Y	Y
641149	Y	Y	Y	Y
641150	Y	Y	Y	Y
641151	Y	Y	Y	Y
641152	Y	Y	Y	Y
641153	N	N	N	N
641154	N	N	N	N
641155	N	N	N	N
641156	N	N	N	N
641157	N	N	N	N
641168	Y	Y	Y	Y
641169	Y	Y	Y	Y
641170	Y	Y	Y	Y
641171	Y	Y	Y	Y
641172	Y	Y	Y	Y
641173	N	N	N	N
641174	N	N	N	N
641175	N	N	N	N
641176	N	N	N	N
641177	N	N	N	N
644284	N	N	N	N
647478	N	N	N	N
647479	N	N	N	N
647496	N	N	N	N