



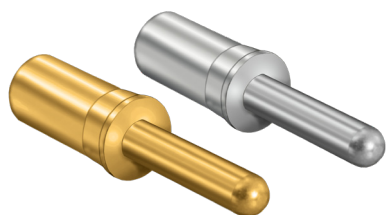
Series 970 PowerTrip™ Connectors and Accessories

Contacts and Tools

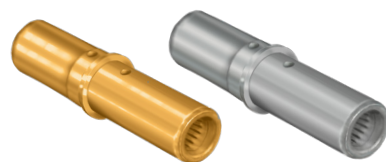
Crimp Contacts

CRIMP CONTACTS

Series 970 PowerTrip™ contacts for size #16 through Size #1/0 wire. Size #8, #4 and #1/0 contacts are high conductivity copper alloy (IACS >90%) with silver or gold plating. Size #12 and #16 contacts are copper alloy with gold over palladium finish. Size #1/0, 4 and 8 socket contacts feature low resistance, high durability louverband springs. Terminate to wire with standard crimp tools. Contacts are snap-in, rear-release and meet the performance requirements of SAE AS39029.



Pin Contact



Socket Contact

- LouverBand Springs
- Crimp Termination
- High Conductivity Alloy
- Gold or Silver Plating

Crimp Contacts

Size	Wire Size	Finish	Pin Contact Part Number	Socket Contact Part Number	Socket Contact Type
16	#16-#20	Gold/Palladium	850-037-16	850-038-16	Split-Tine
12	#12-#14	Gold/Palladium	850-037-12	850-038-12	Split-Tine
8	#8	Silver	850-026-8-8-1	850-027-8-8-1	LouverBand
		Gold	850-026-8-8-2	850-027-8-8-2	LouverBand
	#10	Silver	850-026-8-10-1	850-027-8-10-1	LouverBand
		Gold	850-026-8-10-2	850-027-8-10-2	LouverBand
4	#4	Silver	850-026-4-4-1	850-027-4-4-1	LouverBand
		Gold	850-026-4-4-2	850-027-4-4-2	LouverBand
	#6	Silver	850-026-4-6-1	850-027-4-6-1	LouverBand
		Gold	850-026-4-6-2	850-027-4-6-2	LouverBand
1/0	#1/0	Silver	850-026-0-0-1	850-027-0-0-1	LouverBand
		Gold	850-026-0-0-2	850-027-0-0-2	LouverBand
	#2	Silver	850-026-0-2-1	850-027-0-2-1	LouverBand
		Gold	850-026-0-2-2	850-027-0-2-2	LouverBand

Material and Finish Specifications

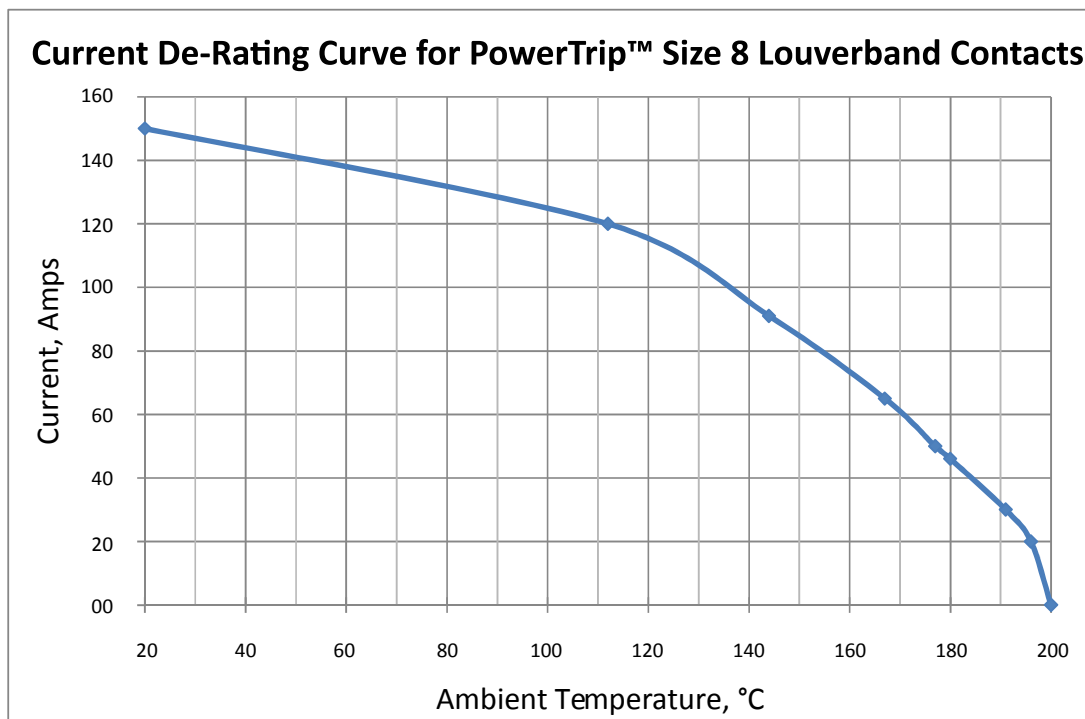
Pin, Size #16 and #12	Copper alloy, gold flash over palladium finish
Pin, Size #8, #4 and #1/0	High conductivity copper alloy, gold or silver finish over nickel
Socket, Size #16 and #12	Copper alloy, stainless steel hood, gold flash over palladium finish
Socket, Size #8, #4 and #1/0	High conductivity copper alloy, beryllium copper louverband spring, gold or silver finish over nickel

Tools for Contact Crimping and Installation

Contact Size	Wire Size	Insertion/Extraction Tool	Extraction Tool	Crimp Tool	Positioner	Die Set	Locator
#16	#16 - #20	809-131	—	809-136	859-032	—	—
#12	#12 - #14	809-132	—	809-136	859-032	—	—
#8	#8	—	859-022	859-025	—	859-026	859-029
#8	#10	—	859-022	859-025	—	859-026	859-173
#4	#4 - #6	—	859-023	859-025	—	859-027	859-030
#1/0	#1/0 - #2	—	859-024	859-025	—	859-028	859-031

Series 970 PowerTrip™ Connectors and Accessories

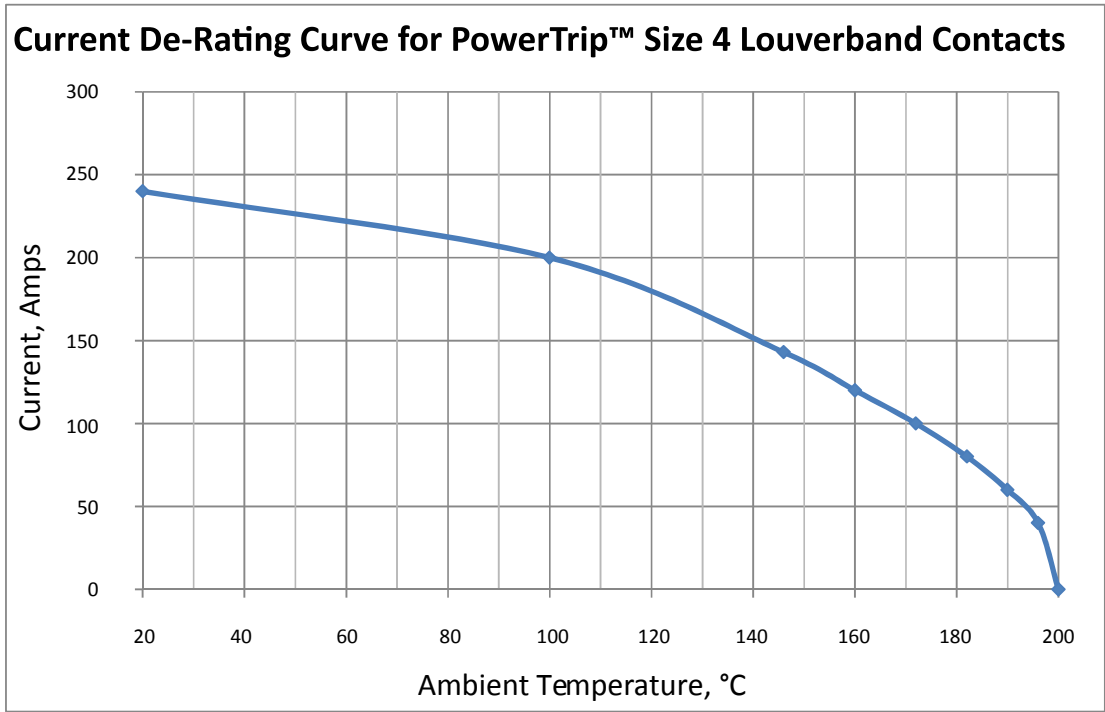
Size 8 Contact Current Performance



SIZE 8 CONTACTS	
Current, A	Temperature Rise, °C
0	0
20	4
30	9
46	20
50	23
60	33
80	56
120	88
150	179



Series 970 PowerTrip™ Connectors and Accessories Size 4 Contact Current Performance



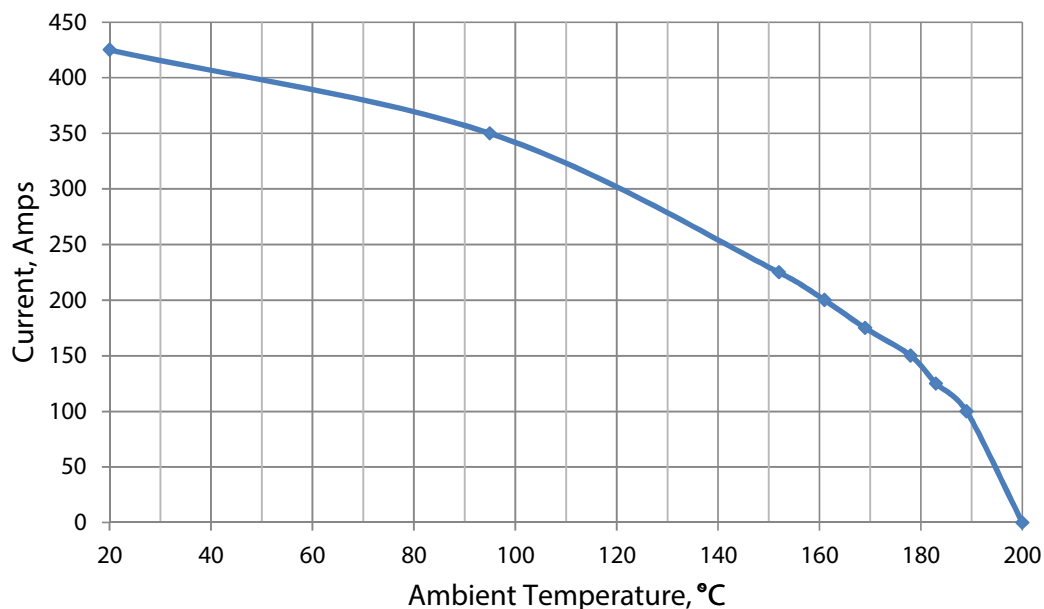
SIZE 4 CONTACTS	
Current, A	Temperature Rise, °C
0	0
40	4
60	10
80	18
100	28
120	40
140	54
200	100
240	176

Series 970 PowerTrip™ Connectors and Accessories

Size 1/0 Contact Current Performance



Current De-Rating Curve for PowerTrip™ Size 1/0 Louverband Contacts



SIZE 1/0 CONTACTS	
Current A	Temperature Rise, °C
0	0
100	11
125	17
150	22
175	31
200	39
225	48
350	104
425	177

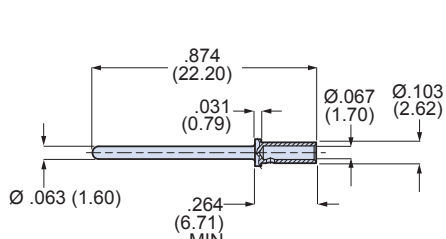


Series 970 PowerTrip™ Connectors and Accessories

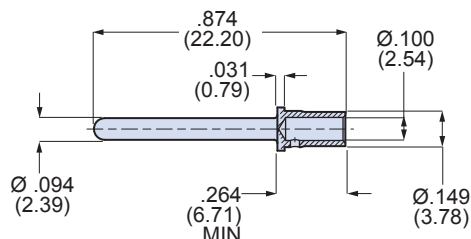
Contacts and Tools

Crimp Contacts

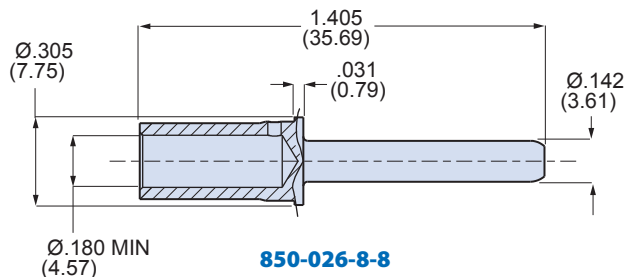
PIN CONTACTS



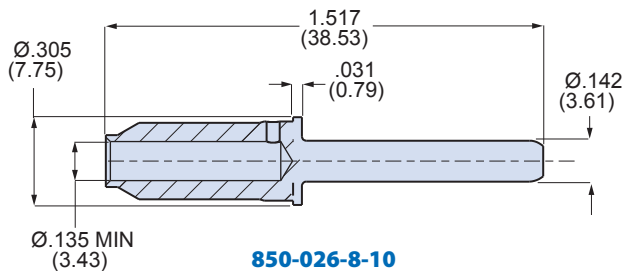
850-037-16



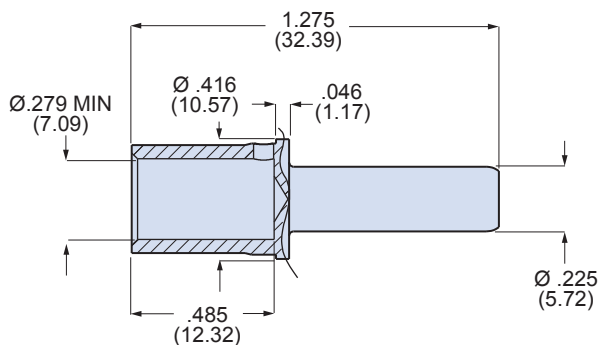
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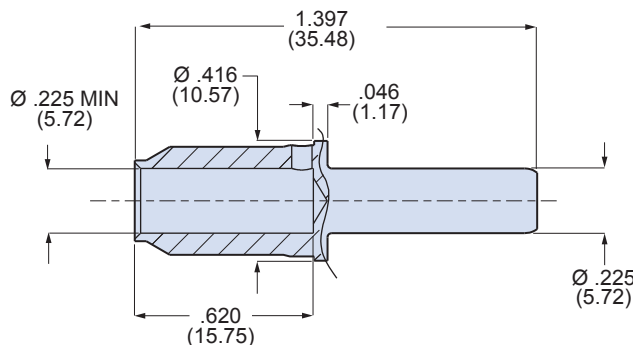
850-026-8-8



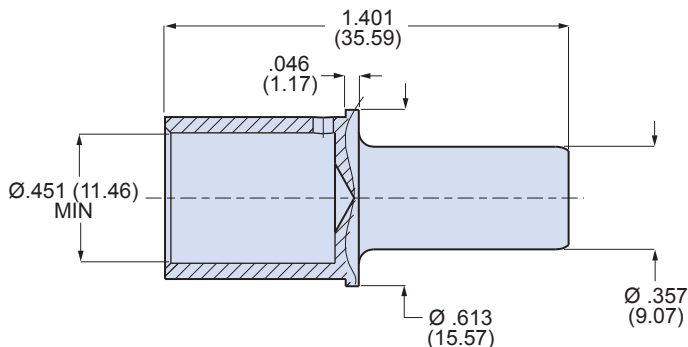
850-026-8-10



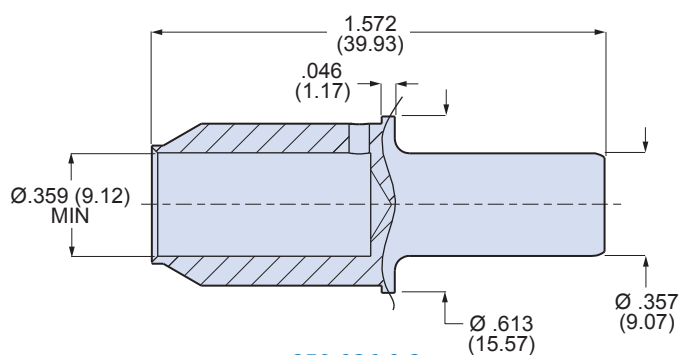
850-026-4-4



850-026-4-6



850-026-0-0



850-026-0-2

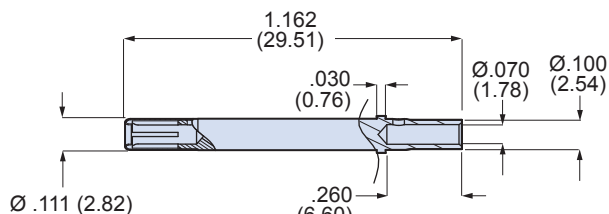
Series 970 PowerTrip™ Connectors and Accessories

Contacts and Tools

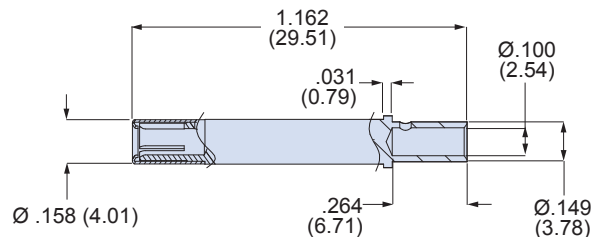
Crimp Contacts



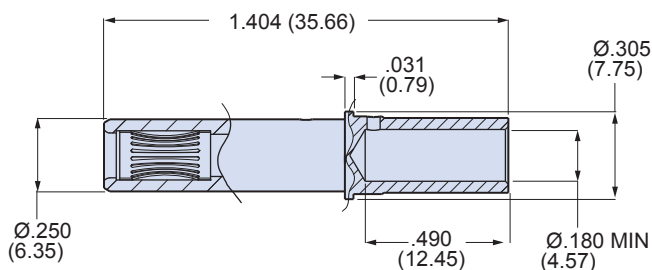
SOCKET CONTACTS



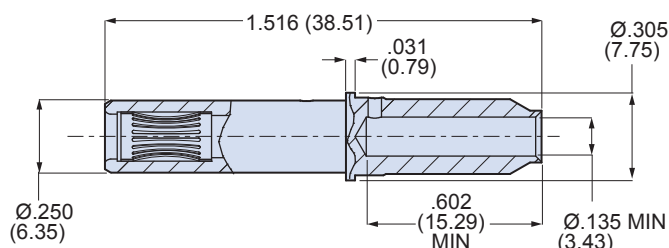
850-038-16



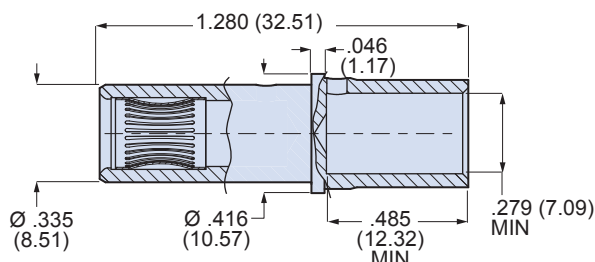
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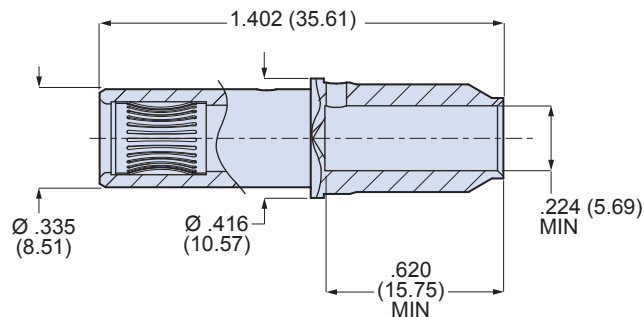
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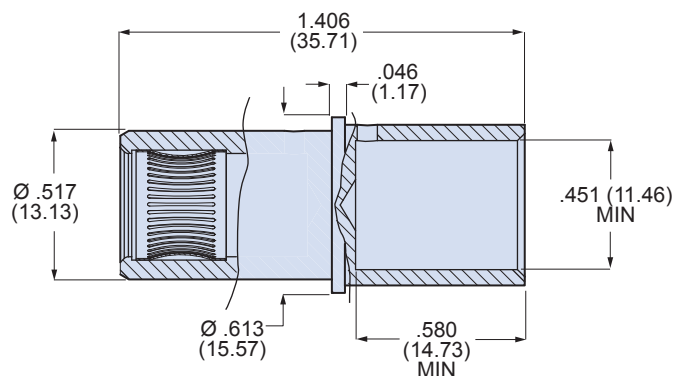
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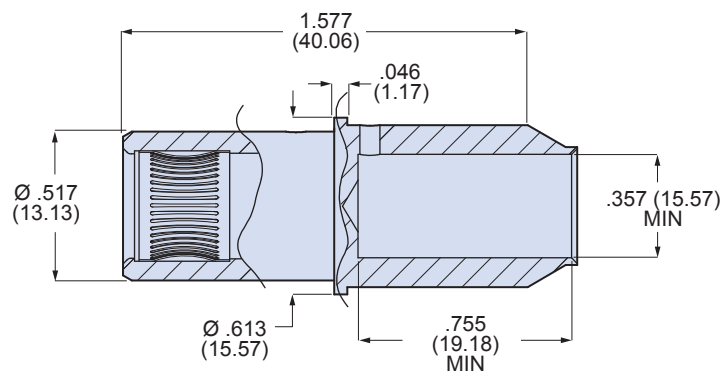
850-027-4-4



850-027-4-6



850-027-0-0



850-027-0-2

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