

## AMPLIMITE .050 Series Cable Plug Connectors, Series III

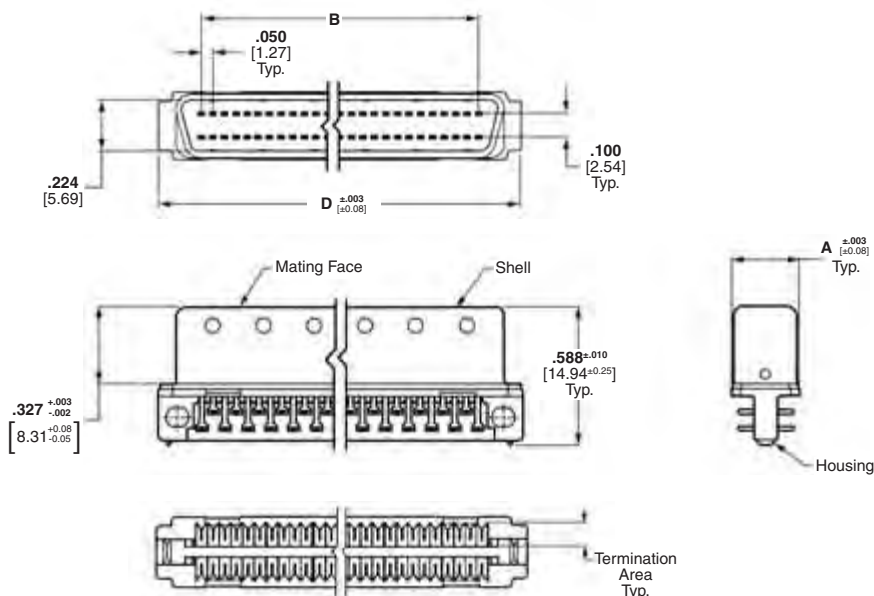
### Shielded Plugs



Shielded Plug



Wire Lacing Termination Covers



Shielded Plug with Unassembled Wire Lacing Termination Covers

### Materials:

#### Housing and Covers—

Thermoplastic, 94V-0 rated, black or gray

**Contacts**—Phosphor bronze, duplex plated .000030 [0.00076] min. gold on mating end, tin on termination end, all underplated .nickel

**Shell**—Steel, plated tin-nickel alloy over nickel over min. copper

#### Recommended wire size—

28 AWG [0.08-0.09mm<sup>2</sup>] or 30 AWG [0.05mm<sup>2</sup>], solid or 7 strand, with a .029-.036 [0.74-0.89] insulation diameter.

### Technical Documents:

**Product Specifications**—108-1228

**Application Specifications**—114-40029

**Instruction Sheet**—408-9427

### Connector With Unassembled Wire Lacing Termination Covers

No. of Pos.	Dimensions			Part Numbers	
	A	B	D	.032-.036 [0.81-0.91] Outer Wire Dia. Black	.029-.031 [0.74-0.79] Outer Wire Dia. Gray
26	.293 7.44	.600 15.24	.979 24.87	5750913-2	1-5750913-2
50	.293 7.44	1.200 30.48	1.579 40.11	5750913-5	1-5750913-5
68	.293 7.44	1.650 41.91	2.029 51.54	5750913-7	1-5750913-7
100	.373 9.47	2.450 62.23	2.829 71.86	—	1-5750913-9

- Notes:** 1. Plug connector requires backshell kit for complete assembly. Refer to pages 16-19 for backshell kit part numbers.  
2. For termination, cover closing and wire lacing tooling, see page 14.

**Note:** All part numbers are RoHS compliant.

## AMPLIMITE .050 Series Cable Plug Connectors, Series III (Continued)

### Shielded Plugs

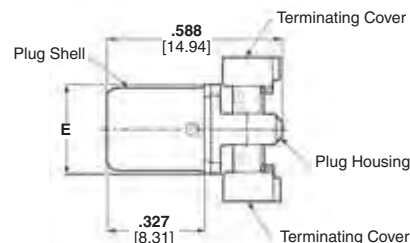
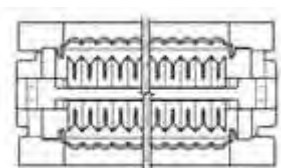
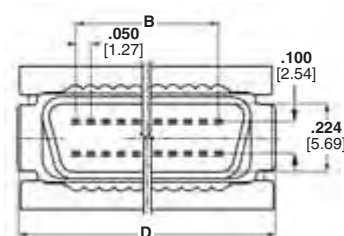
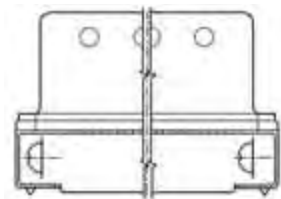
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Shielded Plug with Unassembled Standard Termination Covers



Shielded Plug with Assembled Standard Termination Covers



### Materials:

#### Housing and Covers—

Thermoplastic, 94V-0 rated, black

**Contacts**—Phosphor bronze, duplex plated .000030 [0.00076] min. gold on mating end, tin on termination end, all underplated nickel

**Shell**—Steel, plated tin-nickel alloy over nickel over copper

#### Recommended wire size<sup>3</sup> —

28 AWG [0.08-0.09mm<sup>2</sup>] or 30 AWG [0.05mm<sup>2</sup>], solid or 7 strand, with a .029-.036 [0.74-0.89] insulation diameter.

### Technical Documents:

**Product Specifications**—108-1228

**Application Specifications**—114-40029

**Instruction Sheet**—408-9427

Shielded Plug with Assembled or Unassembled Standard Termination Covers

**Note:** Refer to Tyco Electronics Customer drawings and Application Spec for PCB & panel layouts.

### Connectors With Standard Termination Covers

No. of Pos.	Dimensions			Part Numbers	
	B	D	E	w/Rails & Latchblocks	w/Latchblocks
20	.450 11.43	.829 21.06	.293 7.44	5749111-1	5749621-1
26	.600 15.24	.979 24.87	.293 7.44	1-5749111-0	5749621-2
28	.650 16.50	1.029 26.14	.293 7.44	—	5749621-3
40	.950 24.13	1.329 33.76	.293 7.44	5749111-3	5749621-4
50	1.200 30.48	1.579 40.11	.293 7.44	5749111-4	5749621-5
68	1.650 41.91	2.029 51.54	.293 7.44	5749111-6	5749621-7
80	1.950 49.53	2.329 59.16	.373 9.47	5749111-7	5749621-8
100	2.450 62.23	2.829 71.86	.373 9.47	5749111-8	5749621-9
120	2.950 74.93	3.329 84.56	.373 9.47	5749111-9	1-5749621-0

- Notes:**
1. Plug connector requires backshell kit for complete assembly and must use round jacketed cable (discrete or laminated). Refer to pages 16-19 for backshell kit part numbers.
  2. For termination tooling, see pages 28 & 29.
  3. The CHAMPOMATOR 2.5 Automatic Termination Machine will accept diameters as low as .023 [0.58].

**Note:** All part numbers are RoHS compliant.

## AMPLIMITE .050 Series Cable Plug Connectors, Series III (Continued)

### AMPLIMITE .050 Series Connector Application Tooling for Use with Wire Lacing Termination Covers

#### Manual Arbor Frame Assembly—Part No. 58024-1

Equipped with Cover Lacing Assembly—**Part No. 91293-1** (Includes Seating Bars for 50 and 100 Positions). See Table 3 for Seating Bar Part Numbers.

Extra Lacing Stations available for use with Lacing Assembly—**Part No. 91293-1**  
Order Lower Tooling Assembly—**Part No. 543481-1**



Arbor Frame, Part No. 58024-1  
Equipped with  
Cover Lacing Assembly,  
Part No. 91293-1



Lower Tooling Assembly  
Part No. 543481-1



Miniature Applicator Frame Assembly  
Part No. 91295-1  
Equipped with Cover Closing Kit  
Part No. 543508-1

**Note:** AMP Manual Miniature Applicator Frame Assembly, Cover Closing Kit, and Staple Insertion Kit each must be ordered separately by part number.



Seatings Bars

**Table Number 3**

No. of Pos.	Seating Bar Part No.
26	543494-2
40	543494-3
50	543494-1
68	543502-2
100	543502-1

**Note:** All Tooling must be ordered separately by part number.

**Note:** All part numbers are RoHS compliant.