

**AMPLIMITE .050 Series Plug Assemblies Unshielded for .025 [0.64] Centerline Ribbon Cable, Series III**

**Plug Assembly**

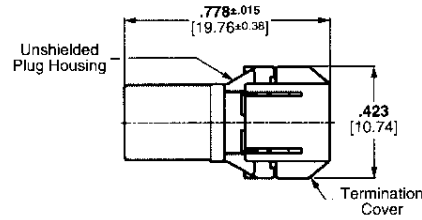
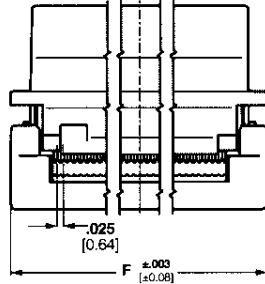
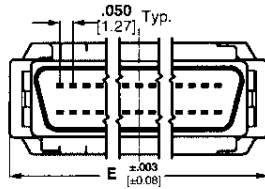


**Materials:**

**Housing and Termination Covers**—Thermoplastic, 94V-0 rated, black  
**Contacts**—Phosphor bronze, duplex plated .000030 [0.00076] min. gold on mating end, bright tin-lead on termination end, all over nickel underplating  
**Recommended wire size**—.025 [0.64] centerline, 30 AWG [0.05mm<sup>2</sup>] solid or 7 strand, PVC, flat ribbon cable.  
**Note: Cable must be approved by Tyco Electronics Engineering.**

**Technical Documents for 786090-7 only:**

**Product Specifications**—108-1359  
**Application Specifications**—114-40049



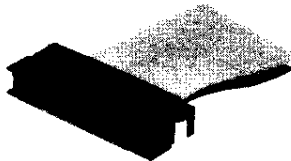
| No. of Pos. | Dimensions     |                | Part No.              |
|-------------|----------------|----------------|-----------------------|
|             | E              | F              |                       |
| 50          | 1.578<br>40.07 | 1.578<br>40.07 | 390377-5 <sup>1</sup> |
| 68          | 2.029<br>51.54 | 2.023<br>51.30 | 786090-7              |

**Note:** Termination Tooling: Manual Arbor Press Part No. 91085-2 or Pneumatic Press Part No. 91112-3, Universal Base Tool Part No. 768338-4, and Connector Specific Kit Part No. 679235-2. Refer to page 29

<sup>1</sup> Accepts 32 AWG Flat Ribbon Cable. Selection of compatible ribbon cable is the responsibility of the user.

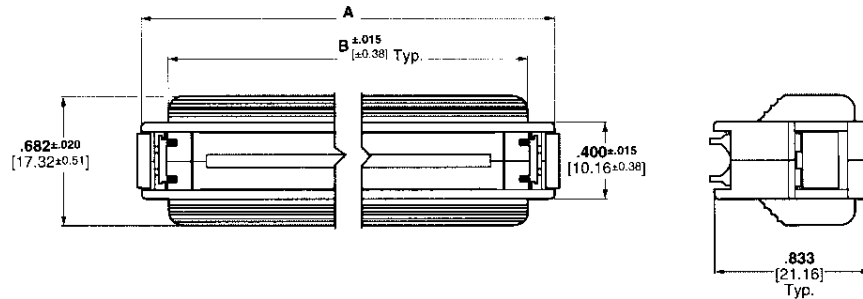
**Note:** Refer to Tyco Electronics Customer drawings and Application Spec for PCB & panel layouts.

**Backshell Kit for 786090-7 .025 [0.64] Unshielded Plug**



**Materials:**

**Backshell**—Thermoplastic, 94V-0 rated, black  
**Spring Latches**—Stainless steel



| No. of Pos. | Kit Part No. | Dimension     |               |
|-------------|--------------|---------------|---------------|
|             |              | A             | B             |
| 68          | 787032-7     | 2.415 [61.34] | 2.125 [53.48] |

**Strain Relief for 786090-7 .025 [0.64] Unshielded Plug**

**68-Position Part No. 787043-7**

**Materials:**

Thermoplastic, 94V-0 rated, black  
**Note: Pull tab Part No. 88450-8 can be used with this strain relief. Must be ordered separately.**

