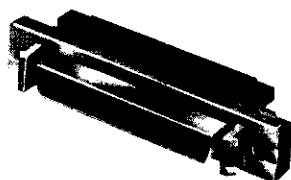


**AMPLIMITE .050 Series Panel Mount Receptacle Assemblies  
Without Rails, With Latch Blocks, Series III**

**Materials:**
**Housing and Termination**

**Covers**—Thermoplastic, 94V-0 rated, black

**Shell**—Steel, plated bright nickel over copper

**Bracket**—Zinc, plated nickel over copper

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

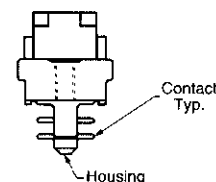
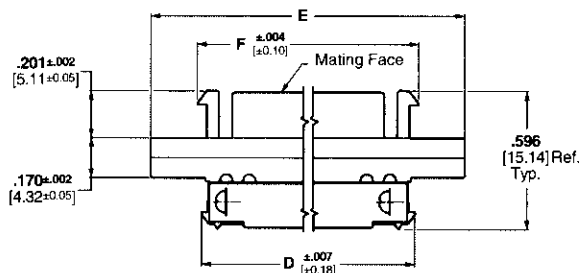
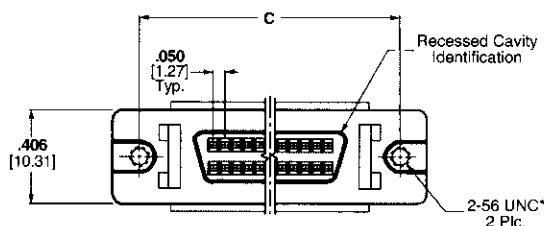
**Recommended wire size—**

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 or .050 [1.27] centerline, 28 AWG [0.08-0.09mm<sup>2</sup>] stranded, PVC, flat ribbon cable.

**Technical Documents:**

**Product Specifications**—108-1228

**Application Specifications**—114-40029



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

| No. of Pos. | Dimensions     |                |                |                | Part Numbers                                          |                                                            |                                       |
|-------------|----------------|----------------|----------------|----------------|-------------------------------------------------------|------------------------------------------------------------|---------------------------------------|
|             | C              | D              | E              | F              | Connectors With Assembled Standard Termination Covers | Connectors With Unassembled Wire Lacing Termination Covers |                                       |
|             |                |                |                |                |                                                       | .032-.036 [0.81-0.91] Outer Wire Dia.                      | .029-.031 [0.74-0.79] Outer Wire Dia. |
| 50          | 1.830<br>46.48 | 1.629<br>41.38 | 2.065<br>52.45 | 1.665<br>42.29 | 749656-5                                              | 786862-5                                                   | 1-786862-5                            |
| 50          | 1.830<br>46.48 | 1.629<br>41.38 | 2.065<br>52.45 | 1.665<br>42.29 | 750640-1*                                             | 786865-5*                                                  | —                                     |
| 68          | 2.280<br>57.91 | 2.079<br>52.81 | 2.515<br>63.88 | 2.115<br>53.72 | 749656-7                                              | —                                                          | —                                     |
| 120         | 3.580<br>90.93 | 3.379<br>85.83 | 3.815<br>96.90 | 3.415<br>86.74 | 1-749656-0                                            | —                                                          | —                                     |

\*Part Numbers 750640-1 and 786865-5 have 4-40 threaded holes. All others have 2-56 threaded holes.

**Note:** For termination, cover closing and wire lacing tooling, see page 14.

For termination tooling other than wire lacing see pages 28,29.