

## MTE Receptacle Assemblies—Polarized/Latching, Single-Row, .100 [2.54] Centerline



Preassembled housings in strip form are available in positions 2 thru 12. For ease of handling, positions 2 thru 5 are recommended when using the Tyco Electronics Manual Pistol Grip Tool.

### Material and Finish

**Housing** — Black thermoplastic, 94V-0 rated

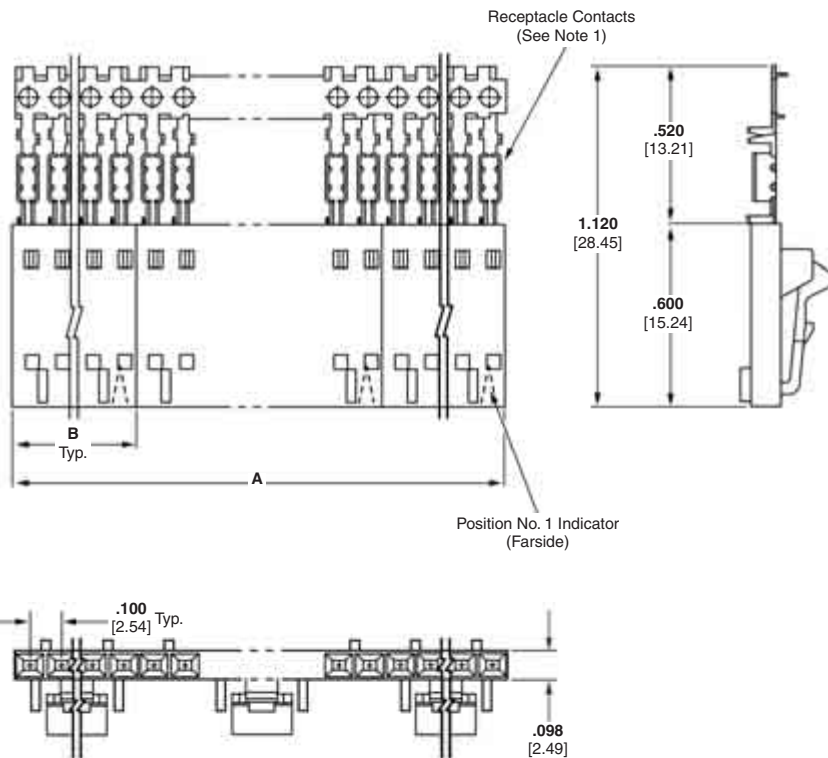
**Contacts** — Phosphor Bronze, plated as follows:

**Plating A** — Duplex plated .000030 [0.00076] gold on contact area, .000050 [0.00127] min. tin in crimp area, with entire contact underplated .000050 [0.00127] nickel

**Plating B** — Duplex plated .000015 [0.00038] gold on contact area, .000050 [0.00127] min. tin in crimp area, with entire contact underplated .000050 [0.00127] nickel

**Plating C** — .000100 [0.00254] tin over .000050 [0.00127] nickel on entire contact

**Note:** Insulation displacement contacts accept an insulation diameter of .030 [0.76] min. to .054 [1.37] max. with an insulation wall thickness of .015 [0.38] max. Mating post length for preloaded housings is .200 [5.08] min., .250 [6.35] max.



### Related Product Data

#### Mateable AMPMODU Products

**Pin Assemblies (Polarized/Latching)** — pages 236, 237

**Pin Assemblies with Guide Ribs (installed in Panel Mount Pin Shroud)** — pages 238, 239, 242

**Headers (Polarized/Latching)** — pages 244-252

**Interchangeable Crimp Contacts (Short Point)** — page 253

**Application Tooling** — page 273

**Performance Specifications** — page 225

**Technical Documents** — pages 277, 278

**Product Specification**  
108-25034

**Application Specification**  
114-25026

## MTE Receptacle Assemblies—Strip Form Polarized/Latching, Single-Row, .100 [2.54] Centerline (Continued)

| No. of<br>Pos. | Dimensions    |               | Housing<br>Quantities<br>Per Strip<br>Segment | Strip Form Receptacle Assembly<br>30-26 AWG [0.05-0.15mm <sup>2</sup> ] Wire |            |            | Strip Form Receptacle Assembly<br>26-22 AWG [0.12-0.3mm <sup>2</sup> ] Wire |            |            | Unloaded<br>Housings |
|----------------|---------------|---------------|-----------------------------------------------|------------------------------------------------------------------------------|------------|------------|-----------------------------------------------------------------------------|------------|------------|----------------------|
|                | A             | B             |                                               | Plating A                                                                    | Plating B  | Plating C  | Plating A                                                                   | Plating B  | Plating C  |                      |
| 2              | 2.000 [50.80] | .198 [5.03]   | 10                                            | 5-103961-1                                                                   | 5-103960-1 | 5-103959-1 | 5-103958-1                                                                  | 5-103957-1 | 5-103956-1 | 104257-1             |
| 3              | 2.400 [60.96] | .298 [7.57]   | 8                                             | 5-103961-2                                                                   | 5-103960-2 | 5-103959-2 | 5-103958-2                                                                  | 5-103957-2 | 5-103956-2 | 104257-2             |
| 4              | 1.990 [50.55] | .398 [10.11]  | 5                                             | 5-103961-3                                                                   | 5-103960-3 | 5-103959-3 | 5-103958-3                                                                  | 5-103957-3 | 5-103956-3 | 104257-3             |
| 5              | 1.990 [50.55] | .498 [12.65]  | 4                                             | 5-103961-4                                                                   | 5-103960-4 | 5-103959-4 | 5-103958-4                                                                  | 5-103957-4 | 5-103956-4 | 104257-4             |
| 6              | 2.390 [60.71] | .598 [15.19]  | 4                                             | 5-103961-5                                                                   | 5-103960-5 | 5-103959-5 | 5-103958-5                                                                  | 5-103957-5 | 5-103956-5 | 104257-5             |
| 7              | 1.400 [35.56] | .698 [17.73]  | 2                                             | 5-103961-6                                                                   | 5-103960-6 | 5-103959-6 | 5-103958-6                                                                  | 5-103957-6 | 5-103956-6 | 104257-6             |
| 8              | 1.600 [40.64] | .798 [20.27]  | 2                                             | 5-103961-7                                                                   | 5-103960-7 | 5-103959-7 | 5-103958-7                                                                  | 5-103957-7 | 5-103956-7 | 104257-7             |
| 9              | 1.800 [45.72] | .898 [22.81]  | 2                                             | 5-103961-8                                                                   | 5-103960-8 | 5-103959-8 | 5-103958-8                                                                  | 5-103957-8 | 5-103956-8 | 104257-8             |
| 10             | 2.000 [50.80] | .998 [23.35]  | 2                                             | 5-103961-9                                                                   | 5-103960-9 | 5-103959-9 | 5-103958-9                                                                  | 5-103957-9 | 5-103956-9 | 104257-9             |
| 11             | 2.200 [55.88] | 1.098 [27.89] | 2                                             | 6-103961-0                                                                   | 6-103960-0 | 6-103959-0 | 6-103958-0                                                                  | 6-103957-0 | 6-103956-0 | 1-104257-0           |
| 12             | 2.400 [60.96] | 1.198 [30.43] | 2                                             | 6-103961-1                                                                   | 6-103960-1 | 6-103959-1 | 6-103958-1                                                                  | 6-103957-1 | 6-103956-1 | 1-104257-1           |

## MTE Receptacle Assemblies—Individual Form Polarized/Latching, Single-Row, .100 [2.54] Centerline

| No. of<br>Pos. | Dimensions<br>B | Individual Receptacle Assembly<br>30-26 AWG [0.05-0.15mm <sup>2</sup> ] Wire |            |            | Individual Receptacle Assembly<br>26-22 AWG [0.12-0.3mm <sup>2</sup> ] Wire |            |            | Unloaded<br>Housings |
|----------------|-----------------|------------------------------------------------------------------------------|------------|------------|-----------------------------------------------------------------------------|------------|------------|----------------------|
|                |                 | Plating A                                                                    | Plating B  | Plating C  | Plating A                                                                   | Plating B  | Plating C  |                      |
| 13             | 1.298 [32.96]   | 6-103897-2                                                                   | 6-103640-2 | 6-103641-2 | 6-103734-2                                                                  | 6-103644-2 | 6-103645-2 | 1-104257-2           |
| 14             | 1.398 [35.51]   | 6-103897-3                                                                   | 6-103640-3 | 6-103641-3 | 6-103734-3                                                                  | 6-103644-3 | 6-103645-3 | 1-104257-3           |
| 15             | 1.498 [38.05]   | 6-103897-4                                                                   | 6-103640-4 | 6-103641-4 | 6-103734-4                                                                  | 6-103644-4 | 6-103645-4 | 1-104257-4           |
| 16             | 1.598 [40.59]   | 6-103897-5                                                                   | 6-103640-5 | 6-103641-5 | 6-103734-5                                                                  | 6-103644-5 | 6-103645-5 | 1-104257-5           |
| 17             | 1.698 [43.13]   | 6-103897-6                                                                   | 6-103640-6 | 6-103641-6 | 6-103734-6                                                                  | 6-103644-6 | 6-103645-6 | 1-104257-6           |
| 18             | 1.798 [45.67]   | 6-103897-7                                                                   | 6-103640-7 | 6-103641-7 | 6-103734-7                                                                  | 6-103644-7 | 6-103645-7 | 1-104257-7           |
| 19             | 1.898 [48.20]   | 6-103897-8                                                                   | 6-103640-8 | 6-103641-8 | 6-103734-8                                                                  | 6-103644-8 | 6-103645-8 | 1-104257-8           |
| 20             | 1.998 [50.75]   | 6-103897-9                                                                   | 6-103640-9 | 6-103641-9 | 6-103734-9                                                                  | 6-103644-9 | 6-103645-9 | 1-104257-9           |
| 21             | 2.098 [53.29]   | 7-103897-0                                                                   | 7-103640-0 | 7-103641-0 | 7-103734-0                                                                  | 7-103644-0 | 7-103645-0 | 2-104257-0           |
| 22             | 2.198 [55.83]   | 7-103897-1                                                                   | 7-103640-1 | 7-103641-1 | 7-103734-1                                                                  | 7-103644-1 | 7-103645-1 | 2-104257-1           |
| 23             | 2.298 [58.37]   | 7-103897-2                                                                   | 7-103640-2 | 7-103641-2 | 7-103734-2                                                                  | 7-103644-2 | 7-103645-2 | 2-104257-2           |
| 24             | 2.398 [60.91]   | 7-103897-3                                                                   | 7-103640-3 | 7-103641-3 | 7-103734-3                                                                  | 7-103644-3 | 7-103645-3 | 2-104257-3           |
| 25             | 2.498 [63.45]   | 7-103897-4                                                                   | 7-103640-4 | 7-103641-4 | 7-103734-4                                                                  | 7-103644-4 | 7-103645-4 | 2-104257-4           |

**Notes:** 1. Receptacle assemblies are furnished with strip contacts partially inserted into housing—contacts latched into “preload” windows. Contacts are fully inserted into housings automatically when terminated with Tyco Electronics application machines, or manually when terminated with Tyco Electronics pistol grip hand tool.  
2. Use **Extraction/Lance Reset Tool No. 843477-1** to remove receptacle contacts.  
3. Keying plugs are available, see page 253.

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