

MTE Receptacle Assemblies—Guide Ribs, 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-lead 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-lead in crimp area, with entire contact underplated .000050 [0.00127] nickel

Plating C—.000100 [0.00254] bright tin-lead 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:

Coupling Shrouds used with:

Single-Row—page 257

Double-Row—page 258

Mateable AMPMODU Products (with Receptacle Assemblies Installed in Single-Row Coupling Shrouds):

Pin Assemblies (Polarized/Latching)—pages 253, 254

Pin Assemblies with Guide Ribs (installed in Panel Mount Pin Shroud)—pages 255, 256, 259

Headers (Polarized/Latching)—pages 261-270

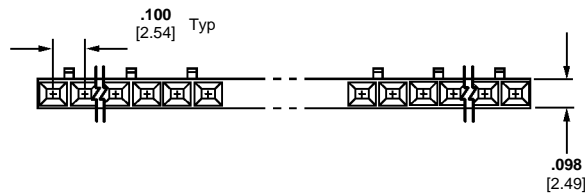
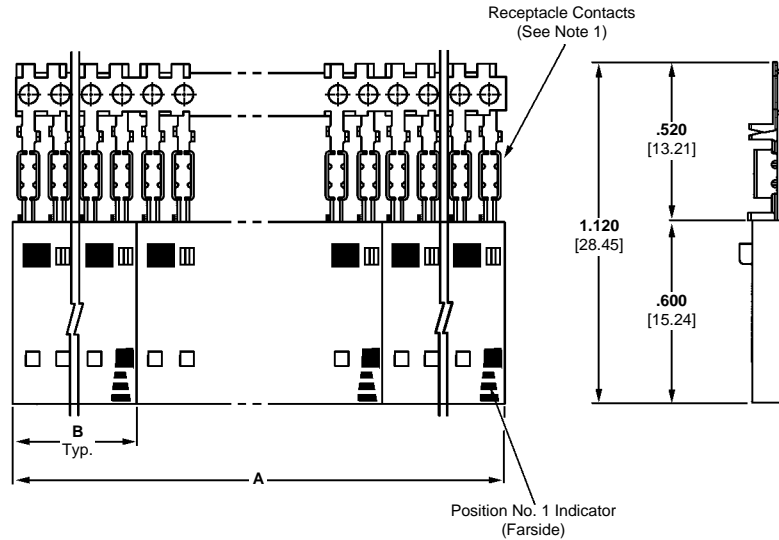
Mateable AMPMODU Products (with Receptacle Assemblies Installed in Double-Row Coupling Shrouds):

Headers, Shrouded, Double-Row (.318 [8.08] mating post length, .150 [3.81] end dimension)—pages 135-138, 141, 142, 144, 145, 146, 148-150, 166

Interchangeable Crimp Contacts—(Short Point)—page 272

Application Tooling—pages 291, 292

Performance Specifications—page 242



Technical Documents (pages 295, 296):

Product Specification
108-25034

Application Specification
114-25026

**MTE Receptacle Assemblies—Strip Form with Guide Ribs,
Single-Row, .100 [2.54] Centerline** (Continued)

No. of Pos.	Dimensions		Housing Quantities Per Strip Segment	Strip Form Receptacle Assembly 30-26 AWG [0.05-0.15mm ²] Wire			Strip Form Receptacle Assembly 26-22 AWG [0.12-0.3mm ²] Wire			Unloaded Housings
	A	B		Plating A	Plating B	Plating C	Plating A	Plating B	Plating C	
2	2.000 [50.80]	.198 [5.03]	10	103973-1	103972-1	103971-1	103970-1	103969-1	103968-1	103648-1
3	2.400 [60.96]	.298 [7.57]	8	103973-2	103972-2	103971-2	103970-2	103969-2	103968-2	103648-2
4	1.990 [50.55]	.398 [10.11]	5	103973-3	103972-3	103971-3	103970-3	103969-3	103968-3	103648-3
5	1.990 [50.55]	.498 [12.65]	4	103973-4	103972-4	103971-4	103970-4	103969-4	103968-4	103648-4
6	2.390 [60.71]	.598 [15.19]	4	103973-5	103972-5	103971-5	103970-5	103969-5	103968-5	103648-5
7	1.400 [35.56]	.698 [17.73]	2	103973-6	103972-6	103971-6	103970-6	103969-6	103968-6	103648-6
8	1.600 [40.64]	.798 [20.27]	2	103973-7	103972-7	103971-7	103970-7	103969-7	103968-7	103648-7
9	1.800 [45.72]	.898 [22.81]	2	103973-8	103972-8	103971-8	103970-8	103969-8	103968-8	103648-8
10	2.000 [50.80]	.998 [23.35]	2	103973-9	103972-9	103971-9	103970-9	103969-9	103968-9	103648-9
11	2.200 [55.88]	1.098 [27.89]	2	1-103973-0	1-103972-0	1-103971-0	1-103970-0	1-103969-0	1-103968-0	1-103648-0
12	2.400 [60.96]	1.198 [30.43]	2	1-103973-1	1-103972-1	1-103971-1	1-103970-1	1-103969-1	1-103968-1	1-103648-1

**MTE Receptacle Assemblies—Individual Form with Guide Ribs,
Single-Row, .100 [2.54] Centerline**

No. of Pos.	Dimensions B	Individual Receptacle Assembly 30-26 AWG [0.05-0.15mm ²] Wire			Individual Receptacle Assembly 26-22 AWG [0.12-0.3mm ²] Wire			Unloaded Housings
		Plating A	Plating B	Plating C	Plating A	Plating B	Plating C	
13	1.298 [32.96]	1-103901-2	1-103649-2	1-103650-2	1-103900-2	1-103651-2	1-103652-2	1-103648-2
14	1.398 [35.51]	1-103901-3	1-103649-3	1-103650-3	1-103900-3	1-103651-3	1-103652-3	1-103648-3
15	1.498 [38.05]	1-103901-4	1-103649-4	1-103650-4	1-103900-4	1-103651-4	1-103652-4	1-103648-4
16	1.598 [40.59]	1-103901-5	1-103649-5	1-103650-5	1-103900-5	1-103651-5	1-103652-5	1-103648-5
17	1.698 [43.13]	1-103901-6	1-103649-6	1-103650-6	1-103900-6	1-103651-6	1-103652-6	1-103648-6
18	1.798 [45.67]	1-103901-7	1-103649-7	1-103650-7	1-103900-7	1-103651-7	1-103652-7	1-103648-7
19	1.898 [48.20]	1-103901-8	1-103649-8	1-103650-8	1-103900-8	1-103651-8	1-103652-8	1-103648-8
20	1.998 [50.75]	1-103901-9	1-103649-9	1-103650-9	1-103900-9	1-103651-9	1-103652-9	1-103648-9
21	2.098 [53.29]	2-103901-0	2-103649-0	2-103650-0	2-103900-0	2-103651-0	2-103652-0	2-103648-0
22	2.198 [55.83]	2-103901-1	2-103649-1	2-103650-1	2-103900-1	2-103651-1	2-103652-1	2-103648-1
23	2.298 [58.37]	2-103901-2	2-103649-2	2-103650-2	2-103900-2	2-103651-2	2-103652-2	2-103648-2
24	2.398 [60.91]	2-103901-3	2-103649-3	2-103650-3	2-103900-3	2-103651-3	2-103652-3	2-103648-3
25	2.498 [63.45]	2-103901-4	2-103649-4	2-103650-4	2-103900-4	2-103651-4	2-103652-4	2-103648-4

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 AMP application machines, or manually when terminated with AMP pistol grip hand tool.
 2. Use **Extraction/Lance Reset Tool No. 843477-1** to remove receptacle contacts.
 3. Keying plugs are available, see page 272.

MTE Receptacle Assemblies

5