

### Board-to-Board Solutions Guide, .100 [2.54] Centerline Products

Problem or Concern	Tyco Electronics' Potential Solution	Single-Row Vertical Headers and Receptacles (Page Ref.)	Single-Row Right-Angle Headers, Horizontal Receptacles (Page Ref.)	Double-Row Vertical Headers and Receptacles (Page Ref.)	Double-Row Right-Angle Headers, Horizontal Receptacles (Page Ref.)
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<sup>\*</sup>High temperature compatible version, refer to page ref. listed.

# Wire-to-Board Solutions Guide, .100 [2.54] Centerline Products

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Catalog 1307819 Revised 8-08

Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents. Dimensions are shown for reference purposes only. Specifications subject to change.

USA: 1-800-522-6752 Canada: 1-905-470-4425 Mexico: 01-800-733-8926 C. America: 52-55-1106-0803

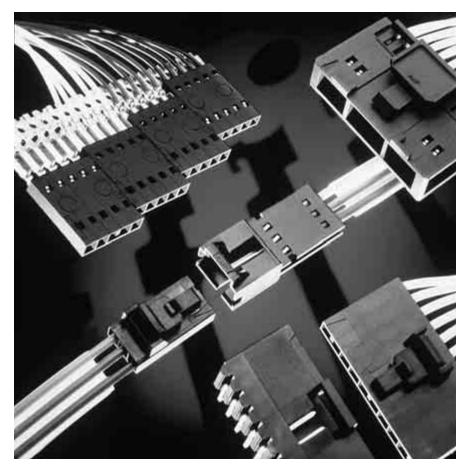
# Electronics

## MTE Interconnection System

#### **Product Facts**

- Receptacle assemblies mate with .025 [0.64] sq. posts; mating post length is .200 [5.08] min., .250 [6.35] max.
- Proven AMPMODU receptacle contact design; dual cantilever beams, built-in anti-overstress, completely enclosed "box" design, standard or high-pressure
- Insulation displacement technology
- Two contact sizes for terminating 30-22 AWG [0.05-0.3 mm<sup>2</sup>] wire range; .054 [1.37] max. insulation diameter with an insulation wall thickness of .015 [0.38] max.
- Choice of gold duplex or tin plated contacts
- Interchangeable crimp snap-in pin and receptacle contacts available
- Housing sizes 2 through 25 positions, single-row .100 [2.54] centers
- Plain housings are end-to-end and/or back-to-back stackable for open pin field applications
- Optional header with "swaged tail" feature helps prevent movement prior to flow soldering
- Integral latch provides positive retention between header and receptacle housing
- Coupling shrouds permit ganging of smaller connectors with guide ribs to form larger single- or double-row latching connectors
- Mass terminating tooling provides lowest applied cost for most production needs
- SMT and SMT compatible. high-temp headers available
- Recognized under the **Component Program of** Underwriters Laboratories Inc.. File No. E28476
- Certified by Canadian Standards Association. File No. LR7189





The AMPMODU MTE Interconnection System offers both wire-to-board and wire-to-wire connectors using .025 [0.64] sq. post technology.

The AMPMODU MTE Interconnection System consists of single-row housings with contacts preloaded on .100 [2.54] centers. Housings are furnished with contacts partially inserted, leaving the termination areas exposed. Final contact insertion can be accomplished automatically with Tyco Electronics application equipment, and manually when terminated with the Tyco Electronics pistol grip hand tool.

The heart of the system is the insulation displacement contact design, featured in both pin and receptacle contacts. The receptacle

contact, available in either standard or high-pressure, features dual cantilever beams in an enclosed "box." The post stop helps prevent a mating post from disturbing the wire termination and also limits the mating depth of a long post to protect a wrap-type termination at the base of the post. The forward contact stop helps prevent contact overinsertion prior to termination. All contacts are furnished on carrier strips which are interlocked for stability and positive location during termination.

Single-row housings are available in sizes 2 through 25 positions. Included are three styles of receptacle housings—plain, polarized/ latching and ribbed and two styles of pin housings, shrouded with polarizing/ latching feature and ribbed.

#### **Performance Specifications**

#### **Electrical Characteristics**

#### **Contact Current Rating -**

3 amperes for single contact in free air (Amperage could vary due to ambient temperature, wire size and duty cycles.)

**Contact Termination** 

Resistance — 15 milliohms (max.)

Dielectric Withstanding Voltage — At Sea Level-600 VAC, rms

At 70,000 Ft. [21 336 m]-225 VAC, rms

Insulation Resistance —

5,000 megohms (min.)

#### **Environmental Characteristics**

Operating Temperature — -65°C to +105°C

Vibration — 15 G's (gold), 10 G's (tin)

Physical Shock — 50 G's

Industrial Mixed Flow Gasing — Class 1 (20 days) (gold)

**Product Specification** 108-25034

**Application Specification** 114-25026

Catalog 1307819 Revised 8-08

Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents.

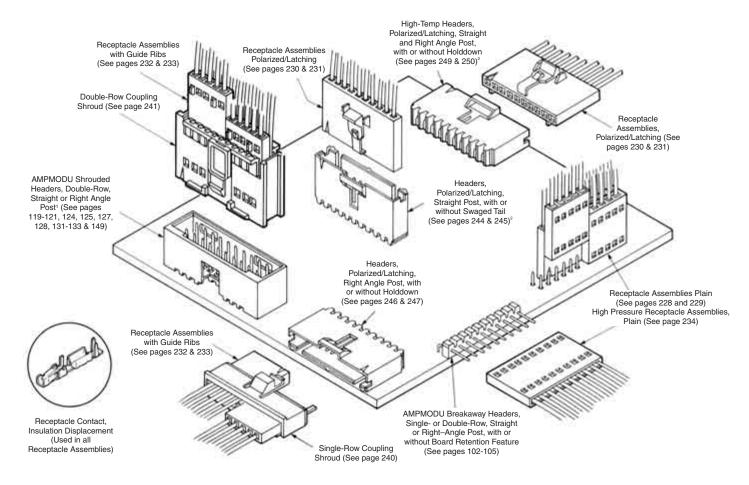
Dimensions are shown for reference purposes only. Specifications subject to change.

USA: 1-800-522-6752 Canada: 1-905-470-4425 Mexico: 01-800-733-8926 C. America: 52-55-1106-0803



### MTE Interconnection System (Continued)

#### Wire-to-Board



<sup>1</sup>Mating AMPMODU Double-Row Shrouded Header Assemblies must have .318 [8.08] mating post length and .150 [3.81] dimension from centerline of last post to inside of end shroud wall.

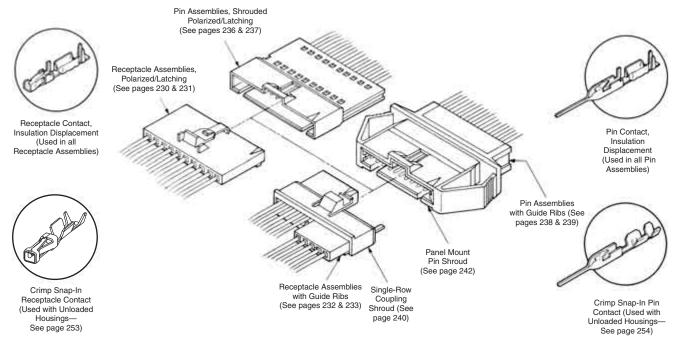
<sup>2</sup>Surface Mount Right-Angle and Vertical Headers are also available (see pages 251 and 252)

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# MTE Interconnection System (Continued)

#### Wire-to-Wire



Note: For wire-to-wire applications shown above, all pin and receptacle assembly combinations are intermateable.



## MTE Receptacle Assemblies—Plain, 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

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** Breakaway Headers — pages 102-110 (with .230 mating length)

**Reeled Breakaway Headers** pages 106, 107 (with .230 mating length)

**Machine Applied Bandolier** Posts — page 163

Single-Row Shrouded Headers with .066 [1.68] End Dimension pages 115, 116

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

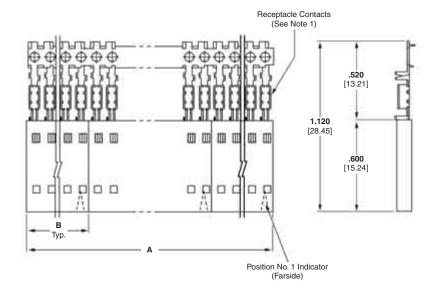
**Application Tooling** — page 273 Performance Specifications page 225

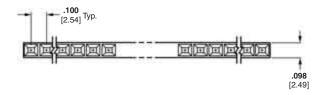
Technical Documents pages 277, 278

**Product Specification** 108-25034

**Application Specification** 114-25026

These receptacle assemblies with plain housings can be stacked end-to-end and/or sideto-side for single or double-row connections to an open pin field with a .100 [2.54] centerline grid.





Catalog 1307819 Revised 8-08

Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents.

Dimensions are shown for reference purposes only. Specifications subject to change.

USA: 1-800-522-6752 Canada: 1-905-470-4425 Mexico: 01-800-733-8926 C. America: 52-55-1106-0803



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

No. of	Dime	nsions	Housing Quantities		m Receptacle A			m Receptacle A		Unloaded
Pos.	Α	В	Per Strip Segment	Plating A	Plating B	Plating C	Plating A	Plating B	Plating C	Housings
2	<b>2.000</b> [50.80]	<b>.198</b> [5.03]	10	5-103979-1	5-103978-1	5-103977-1	5-103976-1	5-103975-1	5-103974-1	103688-1
3	<b>2.400</b> [60.96]	<b>.298</b> [7.57]	8	5-103979-2	5-103978-2	5-103977-2	5-103976-2	5-103975-2	5-103974-2	103688-2
4	<b>1.990</b> [50.55]	<b>.398</b> [10.11]	5	5-103979-3	5-103978-3	5-103977-3	5-103976-3	5-103975-3	5-103974-3	103688-3
5	<b>1.990</b> [50.55]	<b>.498</b> [12.65]	4	5-103979-4	5-103978-4	5-103977-4	5-103976-4	5-103975-4	5-103974-4	103688-4
6	<b>2.390</b> [60.71]	<b>.598</b> [15.19]	4	5-103979-5	5-103978-5	5-103977-5	5-103976-5	5-103975-5	5-103974-5	103688-5
7	<b>1.400</b> [35.56]	<b>.698</b> [17.73]	2	5-103979-6	5-103978-6	5-103977-6	5-103976-6	5-103975-6	5-103974-6	103688-6
8	<b>1.600</b> [40.64]	<b>.798</b> [20.27]	2	5-103979-7	5-103978-7	5-103977-7	5-103976-7	5-103975-7	5-103974-7	103688-7
9	<b>1.800</b> [45.72]	<b>.898</b> [22.81]	2	5-103979-8	5-103978-8	5-103977-8	5-103976-8	5-103975-8	5-103974-8	103688-8
10	<b>2.000</b> [50.80]	<b>.998</b> [23.35]	2	5-103979-9	5-103978-9	5-103977-9	5-103976-9	5-103975-9	5-103974-9	103688-9
11	<b>2.200</b> [55.88]	<b>1.098</b> [27.89]	2	6-103979-0	6-103978-0	6-103977-0	6-103976-0	6-103975-0	6-103974-0	1-103688-0
12	<b>2.400</b> [60.96]	<b>1.198</b> [30.43]	2	6-103979-1	6-103978-1	6-103977-1	6-103976-1	6-103975-1	6-103974-1	1-103688-1

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

No. of	Dimensions B		ual Receptacle			Assembly nm <sup>2</sup> ] Wire	Unloaded Housings	
Pos.	В	Plating A	Plating B	Plating C	Plating A	Plating B	Plating C	Housings
13	<b>1.298</b> [32.96]	6-103903-2	6-103684-2	6-103685-2	6-103902-2	6-103686-2	6-103687-2	1-103688-2
14	<b>1.398</b> [35.51]	6-103903-3	6-103684-3	6-103685-3	6-103902-3	6-103686-3	6-103687-3	1-103688-3
15	<b>1.498</b> [38.05]	6-103903-4	6-103684-4	6-103685-4	6-103902-4	6-103686-4	6-103687-4	1-103688-4
16	<b>1.598</b> [40.59]	6-103903-5	6-103684-5	6-103685-5	6-103902-5	6-103686-5	6-103687-5	1-103688-
17	<b>1.698</b> [43.13]	6-103903-6	6-103684-6	6-103685-6	6-103902-6	6-103686-6	6-103687-6	1-103688-6
18	<b>1.798</b> [45.67]	6-103903-7	6-103684-7	6-103685-7	6-103902-7	6-103686-7	6-103687-7	1-103688-
19	<b>1.898</b> [48.20]	6-103903-8	6-103684-8	6-103685-8	6-103902-8	6-103686-8	6-103687-8	1-103688-
20	<b>1.998</b> [50.75]	6-103903-9	6-103684-9	6-103685-9	6-103902-9	6-103686-9	6-103687-9	1-103688-9
21	<b>2.098</b> [53.29]	7-103903-0	7-103684-0	7-103685-0	7-103902-0	7-103686-0	7-103687-0	2-103688-0
22	<b>2.198</b> [55.83]	7-103903-1	7-103684-1	7-103685-1	7-103902-1	7-103686-1	7-103687-1	2-103688-
23	<b>2.298</b> [58.37]	7-103903-2	7-103684-2	7-103685-2	7-103902-2	7-103686-2	7-103687-2	2-103688-
24	<b>2.398</b> [60.91]	7-103903-3	7-103684-3	7-103685-3	7-103902-3	7-103686-3	7-103687-3	2-103688-
25	<b>2.498</b> [63.45]	7-103903-4	7-103684-4	7-103685-4	7-103902-4	7-103686-4	7-103687-4	2-103688-4

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.

<sup>3.</sup> Keying plugs are available, see page 253.

# **T**yco **Electronics**

## 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

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

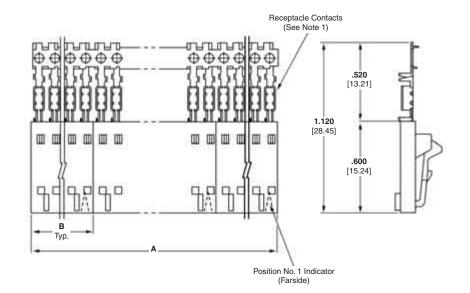
**Interchangeable Crimp Contacts** (Short Point) — page 253

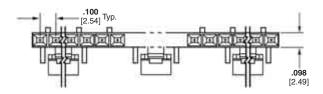
**Application Tooling** — page 273 Performance Specifications page 225

Technical Documents pages 277, 278

**Product Specification** 108-25034

**Application Specification** 114-25026





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

No. of	Dime	ensions	Housing Quantities	Strip For 30-26 AV	m Receptacle /	Assembly nm <sup>2]</sup> Wire		m Receptacle /		Unloaded
Pos.	Α	В	Per Strip Segment	Plating A	Plating B	Plating C	Plating A	Plating B	Plating C	Housings
2	<b>2.000</b> [50.80]	<b>.198</b> [5.03]	10	5-103961-1	5-103960-1	5-103959-1	5-103958-1	5-103957-1	5-103956-1	104257-1
3	<b>2.400</b> [60.96]	<b>.298</b> [7.57]	8	5-103961-2	5-103960-2	5-103959-2	5-103958-2	5-103957-2	5-103956-2	104257-2
4	<b>1.990</b> [50.55]	<b>.398</b> [10.11]	5	5-103961-3	5-103960-3	5-103959-3	5-103958-3	5-103957-3	5-103956-3	104257-3
5	<b>1.990</b> [50.55]	<b>.498</b> [12.65]	4	5-103961-4	5-103960-4	5-103959-4	5-103958-4	5-103957-4	5-103956-4	104257-4
6	<b>2.390</b> [60.71]	<b>.598</b> [15.19]	4	5-103961-5	5-103960-5	5-103959-5	5-103958-5	5-103957-5	5-103956-5	104257-5
7	<b>1.400</b> [35.56]	<b>.698</b> [17.73]	2	5-103961-6	5-103960-6	5-103959-6	5-103958-6	5-103957-6	5-103956-6	104257-6
8	<b>1.600</b> [40.64]	<b>.798</b> [20.27]	2	5-103961-7	5-103960-7	5-103959-7	5-103958-7	5-103957-7	5-103956-7	104257-7
9	<b>1.800</b> [45.72]	<b>.898</b> [22.81]	2	5-103961-8	5-103960-8	5-103959-8	5-103958-8	5-103957-8	5-103956-8	104257-8
10	<b>2.000</b> [50.80]	<b>.998</b> [23.35]	2	5-103961-9	5-103960-9	5-103959-9	5-103958-9	5-103957-9	5-103956-9	104257-9
11	<b>2.200</b> [55.88]	<b>1.098</b> [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	<b>2.400</b> [60.96]	<b>1.198</b> [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	Dimensions		ual Receptacle			ual Receptacle		Unloaded Housings
Pos.	В	Plating A	Plating B	Plating C	Plating A	Plating B	Plating C	Housings
13	<b>1.298</b> [32.96]	6-103897-2	6-103640-2	6-103641-2	6-103734-2	6-103644-2	6-103645-2	1-104257-2
14	<b>1.398</b> [35.51]	6-103897-3	6-103640-3	6-103641-3	6-103734-3	6-103644-3	6-103645-3	1-104257-3
15	<b>1.498</b> [38.05]	6-103897-4	6-103640-4	6-103641-4	6-103734-4	6-103644-4	6-103645-4	1-104257-4
16	<b>1.598</b> [40.59]	6-103897-5	6-103640-5	6-103641-5	6-103734-5	6-103644-5	6-103645-5	1-104257-5
17	<b>1.698</b> [43.13]	6-103897-6	6-103640-6	6-103641-6	6-103734-6	6-103644-6	6-103645-6	1-104257-6
18	<b>1.798</b> [45.67]	6-103897-7	6-103640-7	6-103641-7	6-103734-7	6-103644-7	6-103645-7	1-104257-7
19	<b>1.898</b> [48.20]	6-103897-8	6-103640-8	6-103641-8	6-103734-8	6-103644-8	6-103645-8	1-104257-8
20	<b>1.998</b> [50.75]	6-103897-9	6-103640-9	6-103641-9	6-103734-9	6-103644-9	6-103645-9	1-104257-9
21	<b>2.098</b> [53.29]	7-103897-0	7-103640-0	7-103641-0	7-103734-0	7-103644-0	7-103645-0	2-104257-0
22	<b>2.198</b> [55.83]	7-103897-1	7-103640-1	7-103641-1	7-103734-1	7-103644-1	7-103645-1	2-104257-1
23	<b>2.298</b> [58.37]	7-103897-2	7-103640-2	7-103641-2	7-103734-2	7-103644-2	7-103645-2	2-104257-2
24	<b>2.398</b> [60.91]	7-103897-3	7-103640-3	7-103641-3	7-103734-3	7-103644-3	7-103645-3	2-104257-3
25	<b>2.498</b> [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.



# 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 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**

Coupling Shrouds used with — Single-Row — page 240 Double-Row — page 241

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

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

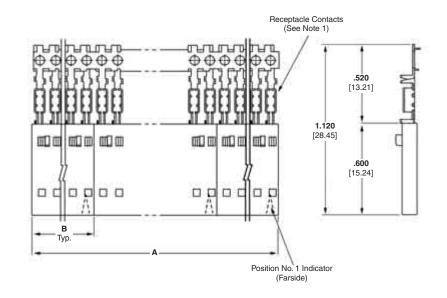
Pin Assemblies with Guide Ribs (installed in Panel Mount Pin

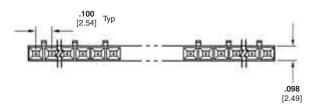
**Shroud)** — pages 238, 239, 242

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

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 119-121, 124, 125, 128, 129, 131-133





Interchangeable Crimp Contacts—

(Short Point) — page 253

Application Tooling — page 273
Performance Specifications —

Technical Documents —

pages 277, 278

**Product Specification** 108-25034

page 225

**Application Specification** 

114-25026

232

Catalog 1307819 Revised 8-08 Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents.

Dimensions are shown for reference purposes only. Specifications subject to change.

USA: 1-800-522-6752 Canada: 1-905-470-4425 Mexico: 01-800-733-8926 C. America: 52-55-1106-0803



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

No. of	Dime	ensions	Housing Quantities	Strip For 30-26 AV	m Receptacle /	Assembly nm <sup>2]</sup> Wire		n Receptacle /		Unloaded
Pos.	Α	В	Per Strip Segment	Plating A	Plating B	Plating C	Plating A	Plating B	Plating C	Housings
2	<b>2.000</b> [50.80]	<b>.198</b> [5.03]	10	5-103973-1	5-103972-1	5-103971-1	5-103970-1	5-103969-1	5-103968-1	103648-1
3	<b>2.400</b> [60.96]	<b>.298</b> [7.57]	8	5-103973-2	5-103972-2	5-103971-2	5-103970-2	5-103969-2	5-103968-2	103648-2
4	<b>1.990</b> [50.55]	<b>.398</b> [10.11]	5	5-103973-3	5-103972-3	5-103971-3	5-103970-3	5-103969-3	5-103968-3	103648-3
5	<b>1.990</b> [50.55]	<b>.498</b> [12.65]	4	5-103973-4	5-103972-4	5-103971-4	5-103970-4	5-103969-4	5-103968-4	103648-4
6	<b>2.390</b> [60.71]	<b>.598</b> [15.19]	4	5-103973-5	5-103972-5	5-103971-5	5-103970-5	5-103969-5	5-103968-5	103648-5
7	<b>1.400</b> [35.56]	<b>.698</b> [17.73]	2	5-103973-6	5-103972-6	5-103971-6	5-103970-6	5-103969-6	5-103968-6	103648-6
8	<b>1.600</b> [40.64]	<b>.798</b> [20.27]	2	5-103973-7	5-103972-7	5-103971-7	5-103970-7	5-103969-7	5-103968-7	103648-7
9	<b>1.800</b> [45.72]	<b>.898</b> [22.81]	2	5-103973-8	5-103972-8	5-103971-8	5-103970-8	5-103969-8	5-103968-8	103648-8
10	<b>2.000</b> [50.80]	<b>.998</b> [23.35]	2	5-103973-9	5-103972-9	5-103971-9	5-103970-9	5-103969-9	5-103968-9	103648-9
11	<b>2.200</b> [55.88]	<b>1.098</b> [27.89]	2	6-103973-0	6-103972-0	6-103971-0	6-103970-0	6-103969-0	6-103968-0	1-103648-0
12	<b>2.400</b> [60.96]	<b>1.198</b> [30.43]	2	6-103973-1	6-103972-1	6-103971-1	6-103970-1	6-103969-1	6-103968-1	1-103648-1

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

No. of	Dimensions B		ual Receptacle			ual Receptacle WG [0.12-0.3m		Unloaded Housings
Pos.	В	Plating A	Plating B	Plating C	Plating A	Plating B	Plating C	Housings
13	<b>1.298</b> [32.96]	6-103901-2	6-103649-2	6-103650-2	6-103900-2	6-103651-2	6-103652-2	1-103648-2
14	<b>1.398</b> [35.51]	6-103901-3	6-103649-3	6-103650-3	6-103900-3	6-103651-3	6-103652-3	1-103648-3
15	<b>1.498</b> [38.05]	6-103901-4	6-103649-4	6-103650-4	6-103900-4	6-103651-4	6-103652-4	1-103648-4
16	<b>1.598</b> [40.59]	6-103901-5	6-103649-5	6-103650-5	6-103900-5	6-103651-5	6-103652-5	1-103648-5
17	<b>1.698</b> [43.13]	6-103901-6	6-103649-6	6-103650-6	6-103900-6	6-103651-6	6-103652-6	1-103648-6
18	<b>1.798</b> [45.67]	6-103901-7	6-103649-7	6-103650-7	6-103900-7	6-103651-7	6-103652-7	1-103648-7
19	<b>1.898</b> [48.20]	6-103901-8	6-103649-8	6-103650-8	6-103900-8	6-103651-8	6-103652-8	1-103648-8
20	<b>1.998</b> [50.75]	6-103901-9	6-103649-9	6-103650-9	6-103900-9	6-103651-9	6-103652-9	1-103648-9
21	<b>2.098</b> [53.29]	7-103901-0	7-103649-0	7-103650-0	7-103900-0	7-103651-0	7-103652-0	2-103648-0
22	<b>2.198</b> [55.83]	7-103901-1	7-103649-1	7-103650-1	7-103900-1	7-103651-1	7-103652-1	2-103648-1
23	<b>2.298</b> [58.37]	7-103901-2	7-103649-2	7-103650-2	7-103900-2	7-103651-2	7-103652-2	2-103648-2
24	<b>2.398</b> [60.91]	7-103901-3	7-103649-3	7-103650-3	7-103900-3	7-103651-3	7-103652-3	2-103648-3
25	<b>2.498</b> [63.45]	7-103901-4	7-103649-4	7-103650-4	7-103900-4	7-103651-4	7-103652-4	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 Tyco Electronics application machines, or manually when terminated with Tyco Electronics pistol grip hand tool.

<sup>2.</sup> Use Extraction/Lance Reset Tool No. 843477-1 to remove receptacle contacts.

<sup>3.</sup> Keying plugs are available, see page 253.



# MTE High Pressure Receptacle Assemblies—Plain, 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, 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

**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** 

Breakaway Headers — pages 102-110, (with .230 mating length) Reeled Breakaway Headers pages 106, 107 (with .230 mating length)

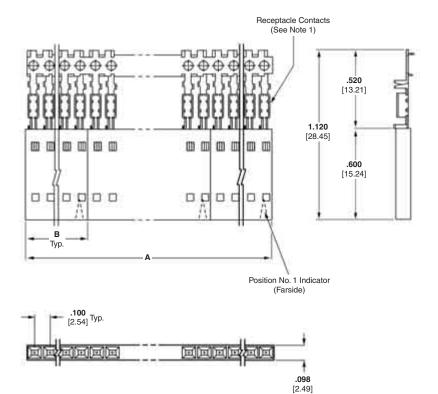
Machine Applied Bandolier Posts — page 163

**Application Tooling** — page 273 **Performance Specifications** — page 225

Technical Documents — pages 277, 278)

**Product Specification** 108-25034

**Application Specification** 114-25026



No. of	Dimer	nsions	Housings Quantities Per	Strip Form Receptacle Assembly	Strip Form Receptacle Assembly
Pos.	Α	В	Strip Segment	30-26 AWG [.0515mm <sup>2</sup> ] Wire	26-22 AWG [.1230mm <sup>2</sup> ] Wire
2	<b>1.980</b> [50.29]	<b>.198</b> [5.03]	10	5-104438-1	5-104439-1
3	<b>1.490</b> [37.85]	<b>.298</b> [7.57]	5	5-104438-2	5-104439-2
4	<b>1.990</b> [50.55]	<b>.398</b> [10.11]	5	5-104438-3	5-104439-3
5	<b>1.990</b> [50.55]	<b>.498</b> [12.65]	4	5-104438-4	5-104439-4
6	<b>2.390</b> [60.71]	<b>.598</b> [15.19]	4	5-104438-5	5-104439-5
7	<b>1.400</b> [35.56]	<b>.698</b> [17.73]	2	5-104438-6	5-104439-6
8	<b>1.600</b> [40.64]	<b>.798</b> [20.27]	2	5-104438-7	5-104439-7
9	<b>1.800</b> [45.72]	<b>.898</b> [22.81]	2	5-104438-8	5-104439-8
10	<b>2.000</b> [50.80]	<b>.998</b> [23.35]	2	5-104438-9	5-104439-9
11	<b>2.200</b> [55.88]	<b>1.098</b> [27.89]	2	6-104438-0	6-104439-0
12	<b>2.400</b> [60.96]	<b>1.198</b> [30.43]	2	6-104438-1	6-104439-1

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.

High pressure receptacle contacts can be made available in other housing styles and position sizes. Contact your Tyco Electronics sales representative.

Note: All part numbers are RoHS compliant.

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Catalog 1307819 Revised 8-08

Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents.

Dimensions are shown for reference purposes only. Specifications subject to change.

USA: 1-800-522-6752 Canada: 1-905-470-4425 Mexico: 01-800-733-8926 C. America: 52-55-1106-0803



# MTE High Pressure Receptacle Assemblies - Guide Ribs



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

Contacts — Phosphor Bronze, duplex plated .000030 [0.00076] gold on contact area, .000050 [0.00127] min. tin on crimp area, with entire contact underplated .000050 [0.00127] nickel.

#### **Related Product Data**

Coupling Shrouds used with — Single-Row — page 240 Double-Row — page 241

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

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

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

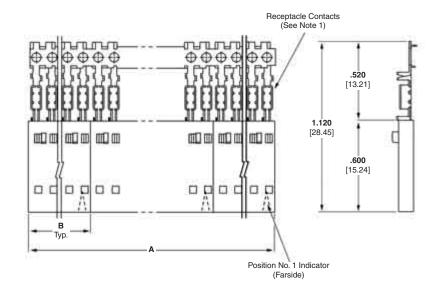
Headers, Shrouded, Double-Row (.318 [8.08] mating post length, .150 [3.81] end dimension) pages 119-121, 124, 125, 128, 129, 131-133

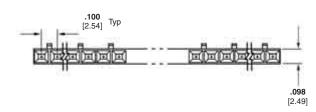
**Application Tooling** — page 273 **Performance Specifications** — page 225

**Technical Documents** — pages 277, 278

**Product Specification** 108-25034

**Application Specification** 114-25026





No. of	Dimen	sions	Housings Quantities Per	Strip Form Receptacle Assembly	Strip Form Receptacle Assembly
Pos.	Α	В	Strip Segment	30-26 AWG [.0515mm <sup>2</sup> ] Wire	26-22 AWG [.1230mm²] Wire
2	<b>1.980</b> [50.29]	<b>.198</b> [5.03]	10	5-147396-1	5-147030-3
3	<b>1.490</b> [37.85]	<b>.298</b> [7.57]	5	5-147396-2	5-147030-4
4	<b>1.990</b> [50.55]	<b>.398</b> [10.11]	5	5-147396-3	5-147030-1
5	<b>1.990</b> [50.55]	<b>.498</b> [12.65]	4	5-147396-4	5-147030-2
6	<b>2.390</b> [60.71]	<b>.598</b> [15.19]	4	5-147396-5	5-147030-5
7	<b>1.400</b> [35.56]	<b>.698</b> [17.73]	2	5-147396-6	5-147030-6
8	<b>1.600</b> [40.64]	<b>.798</b> [20.27]	2	5-147396-7	5-147030-7
9	<b>1.800</b> [45.72]	<b>.898</b> [22.81]	2	5-147396-8	5-147030-8
10	<b>2.000</b> [50.80]	<b>.998</b> [23.35]	2	5-147396-9	5-147030-9
11	<b>2.200</b> [55.88]	<b>1.098</b> [27.89]	2	6-147396-0	6-147030-0
12	<b>2.400</b> [60.96]	<b>1.198</b> [30.43]	2	6-147396-1	6-147030-1

Note: All part numbers are RoHS compliant.

Catalog 1307819 Revised 8-08 Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents. Dimensions are shown for reference purposes only. Specifications subject to change.

USA: 1-800-522-6752 Canada: 1-905-470-4425 Mexico: 01-800-733-8926 C. America: 52-55-1106-0803



# MTE Pin Assemblies, Shrouded—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

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.

#### **Related Product Data** Mateable AMPMODU Products — **Receptacle Assemblies** (Polarized/Latching) -

pages 230, 231 Receptacle Assemblies with Guide

Ribs (installed in Single-Row Coupling Shroud) — pages 232, 233, 235, 240

Interchangeable Crimp Contacts —

Application Tooling — page 273

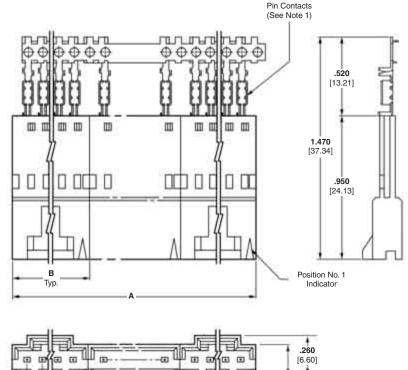
Performance Specifications page 225

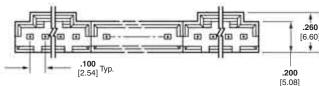
Technical Documents pages 277, 278

**Product Specification** 

108-25034

**Application Specification** 114-25026







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

No. of	Dime	nsions	Housing Quantities		Form Pin Asse VG [0.05-0.15m			Form Pin Asse NG [0.12-0.3m		Unloaded
Pos.	Α	В	Per Strip Segment	Plating A	Plating B	Plating C	Plating A	Plating B	Plating C	Housings
2	<b>2.360</b> [59.94]	<b>.295</b> [7.49]	8	5-103949-1	5-103948-1	5-103947-1	5-103946-1	5-103945-1	5-103944-1	103653-1
3	<b>1.980</b> [50.29]	<b>.395</b> [10.03]	5	5-103949-2	5-103948-2	5-103947-2	5-103946-2	5-103945-2	5-103944-2	103653-2
4	<b>1.980</b> [50.29]	<b>.495</b> [12.57]	4	5-103949-3	5-103948-3	5-103947-3	5-103946-3	5-103945-3	5-103944-3	103653-3
5	<b>2.380</b> [60.45]	<b>.595</b> [15.11]	4	5-103949-4	5-103948-4	5-103947-4	5-103946-4	5-103945-4	5-103944-4	103653-4
6	<b>1.390</b> [35.31]	<b>.695</b> [17.65]	2	5-103949-5	5-103948-5	5-103947-5	5-103946-5	5-103945-5	5-103944-5	103653-5
7	<b>2.390</b> [60.71]	<b>.795</b> [20.19]	3	5-103949-6	5-103948-6	5-103947-6	5-103946-6	5-103945-6	5-103944-6	103653-6
8	<b>1.790</b> [45.47]	<b>.895</b> [22.73]	2	5-103949-7	5-103948-7	5-103947-7	5-103946-7	5-103945-7	5-103944-7	103653-7
9	<b>1.990</b> [50.57]	<b>.995</b> [25.27]	2	5-103949-8	5-103948-8	5-103947-8	5-103946-8	5-103945-8	5-103944-8	103653-8
10	<b>2.190</b> [55.63]	<b>1.095</b> [27.81]	2	5-103949-9	5-103948-9	5-103947-9	5-103946-9	5-103945-9	5-103944-9	103653-9
11	<b>2.390</b> [60.71]	<b>1.195</b> [30.35]	2	6-103949-0	6-103948-0	6-103947-0	6-103946-0	6-103945-0	6-103944-0	1-103653-0
12	<b>2.590</b> [65.79]	<b>1.295</b> [32.89]	2	6-103949-1	6-103948-1	6-103947-1	6-103946-1	6-103945-1	6-103944-1	1-103653-1

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

No. of	Dimensions B		idual Pin Asse WG [0.05-0.15			idual Pin Asse WG [0.12-0.3m		Unloaded Housings
Pos.	В	Plating A	Plating B	Plating C	Plating A	Plating B	Plating C	Housings
13	<b>1.395</b> [35.43]	6-103894-2	6-103658-2	6-103659-2	6-103893-2	6-103660-2	6-103661-2	1-103653-2
14	<b>1.495</b> [37.97]	6-103894-3	6-103658-3	6-103659-3	6-103893-3	6-103660-3	6-103661-3	1-103653-3
15	<b>1.595</b> [40.51]	6-103894-4	6-103658-4	6-103659-4	6-103893-4	6-103660-4	6-103661-4	1-103653-4
16	<b>1.695</b> [43.05]	6-103894-5	6-103658-5	6-103659-5	6-103893-5	6-103660-5	6-103661-5	1-103653-5
17	<b>1.795</b> [45.59]	6-103894-6	6-103658-6	6-103659-6	6-103893-6	6-103660-6	6-103661-6	1-103653-6
18	<b>1.895</b> [48.13]	6-103894-7	6-103658-7	6-103659-7	6-103893-7	6-103660-7	6-103661-7	1-103653-7
19	<b>1.995</b> [50.67]	6-103894-8	6-103658-8	6-103659-8	6-103893-8	6-103660-8	6-103661-8	1-103653-8
20	<b>2.095</b> [53.21]	6-103894-9	6-103658-9	6-103659-9	6-103893-9	6-103660-9	6-103661-9	1-103653-9
21	<b>2.195</b> [55.75]	7-103894-0	7-103658-0	7-103659-0	7-103893-0	7-103660-0	7-103661-0	2-103653-0
22	<b>2.295</b> [58.29]	7-103894-1	7-103658-1	7-103659-1	7-103893-1	7-103660-1	7-103661-1	2-103653-1
23	<b>2.395</b> [60.83]	7-103894-2	7-103658-2	7-103659-2	7-103893-2	7-103660-2	7-103661-2	2-103653-2
24	<b>2.495</b> [63.37]	7-103894-3	7-103658-3	7-103659-3	7-103893-3	7-103660-3	7-103661-3	2-103653-3
25	<b>2.595</b> [65.91]	7-103894-4	7-103658-4	7-103659-4	7-103893-4	7-103660-4	7-103661-4	2-103653-4

Notes: 1. Pin 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 pin contacts.

# **₹** Tyco **Electronics**

# MTE Pin 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 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

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.

#### **Related Product Data**

**Mateable AMPMODU MTE Products** (with Pin Assembly Installed in Panel Mount Pin Shroud) pages 242, 243

Receptacle Assemblies (Polarized/Latching) pages 230, 231

Receptacle Assemblies with Guide Ribs (installed in Single Row Coupling Shroud) — pages 232, 233, 235, 240

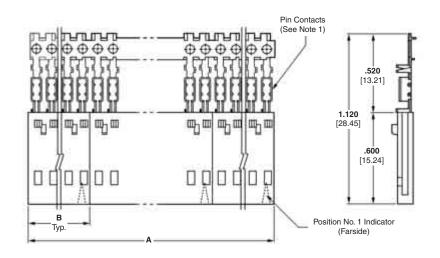
Interchangeable Crimp Contacts page 254

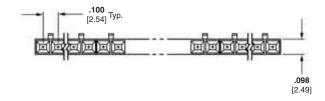
**Application Tooling** — page 273 Performance Specifications page 225

Technical Documents pages 277, 278

**Product Specification** 108-25034

**Application Specification** 114-25026







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

No. of	Dime	Dimensions		Guarities 30-26 AWG [0.05-0.15mm <sup>2</sup> ] Wire			Strip 26-22 A\	Unloaded		
Pos.	Α	В	Per Strip Segment	Plating A	Plating B	Plating C	Plating A	Plating B	Plating C	Housings
2	<b>1.980</b> [50.29]	<b>0.198</b> [5.03]	10	5-103955-1	5-103954-1	5-103953-1	5-103952-1	5-103951-1	5-103950-1	104503-1
3	<b>1.490</b> [37.85]	<b>0.298</b> [7.57]	5	5-103955-2	5-103954-2	5-103953-2	5-103952-2	5-103951-2	5-103950-2	104503-2
4	<b>1.990</b> [50.55]	<b>0.398</b> [10.11]	5	5-103955-3	5-103954-3	5-103953-3	5-103952-3	5-103951-3	5-103950-3	104503-3
5	<b>1.990</b> [50.55]	<b>0.498</b> [12.65]	4	5-103955-4	5-103954-4	5-103953-4	5-103952-4	5-103951-4	5-103950-4	104503-4
6	<b>2.390</b> [60.71]	<b>0.598</b> [15.19]	4	5-103955-5	5-103954-5	5-103953-5	5-103952-5	5-103951-5	5-103950-5	104503-5
7	<b>1.400</b> [35.56]	<b>0.698</b> [17.73]	2	5-103955-6	5-103954-6	5-103953-6	5-103952-6	5-103951-6	5-103950-6	104503-6
8	<b>1.600</b> [40.64]	<b>0.798</b> [20.27]	2	5-103955-7	5-103954-7	5-103953-7	5-103952-7	5-103951-7	5-103950-7	104503-7
9	<b>1.800</b> [45.72]	0.898 [22.81]	2	5-103955-8	5-103954-8	5-103953-8	5-103952-8	5-103951-8	5-103950-8	104503-8
10	<b>2.000</b> [50.80]	0.998 [25.35]	2	5-103955-9	5-103954-9	5-103953-9	5-103952-9	5-103951-9	5-103950-9	104503-9
11	<b>2.200</b> [55.88]	<b>1.098</b> [27.89]	2	6-103955-0	6-103954-0	6-103953-0	6-103952-0	6-103951-0	6-103950-0	1-104503-0
12	<b>2.400</b> [60.96]	<b>1.198</b> [30.43]	2	6-103955-1	6-103954-1	6-103953-1	6-103952-1	6-103951-1	6-103950-1	1-104503-1

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

No. of			idual Pin Asse WG [0.05-0.15			ridual Pin Asse WG [0.12-0.3m		Unloaded
Pos.	В	Plating A	Plating B	Plating C	Plating A	Plating B	Plating C	Housings
13	<b>1.398</b> [35.51]	6-103896-2	6-103657-2	6-103656-2	6-103895-2	6-103655-2	6-103654-2	1-104503-2
14	<b>1.498</b> [38.05]	6-103896-3	6-103657-3	6-103656-3	6-103895-3	6-103655-3	6-103654-3	1-104503-3
15	<b>1.598</b> [40.59]	6-103896-4	6-103657-4	6-103656-4	6-103895-4	6-103655-4	6-103654-4	1-104503-4
16	<b>1.698</b> [43.13]	6-103896-5	6-103657-5	6-103656-5	6-103895-5	6-103655-5	6-103654-5	1-104503-5
17	<b>1.798</b> [45.67]	6-103896-6	6-103657-6	6-103656-6	6-103895-6	6-103655-6	6-103654-6	1-104503-6
18	<b>1.898</b> [48.20]	6-103896-7	6-103657-7	6-103656-7	6-103895-7	6-103655-7	6-103654-7	1-104503-7
19	<b>1.998</b> [50.75]	6-103896-8	6-103657-8	6-103656-8	6-103895-8	6-103655-8	6-103654-8	1-104503-8
20	<b>2.098</b> [53.29]	6-103896-9	6-103657-9	6-103656-9	6-103895-9	6-103655-9	6-103654-9	1-104503-9
21	<b>2.198</b> [55.83]	7-103896-0	7-103657-0	7-103656-0	7-103895-0	7-103655-0	7-103654-0	2-104503-0
22	<b>2.298</b> [58.37]	7-103896-1	7-103657-1	7-103656-1	7-103895-1	7-103655-1	7-103654-1	2-104503-1
23	2.398 [60.91]	7-103896-2	7-103657-2	7-103656-2	7-103895-2	7-103655-2	7-103654-2	2-104503-2
24	<b>2.498</b> [63.45]	7-103896-3	7-103657-3	7-103656-3	7-103895-3	7-103655-3	7-103654-3	2-104503-3
25	<b>2.598</b> [65.99]	7-103896-4	7-103657-4	7-103656-4	7-103895-4	7-103655-4	7-103654-4	2-104503-4

Notes: 1. Pin 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

Note: All part numbers are RoHS compliant.

South America: 55-11-2103-6000 Hong Kong: 852-2735-1628 Japan: 81-44-844-8013

UK: 44-8706-080-208

<sup>2.</sup> Use Extraction/Lance Reset Tool No. 843477-1 to remove pin contacts.



## Coupling Shrouds for MTE Receptacle Assemblies with Guide Ribs

#### Single-Row

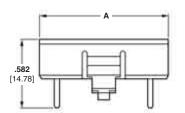
#### Material

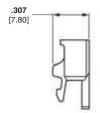
Black thermoplastic, 94V-0 rated

Technical Documents pages 277, 278

**Product Specification** 108-25034

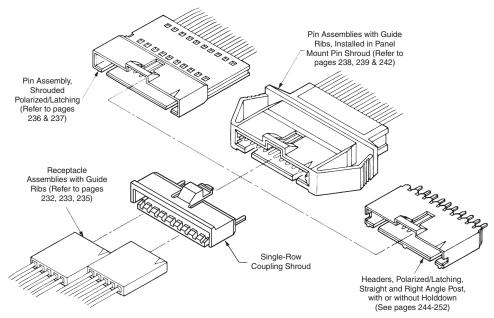
**Application Specification** 114-25026





No. of Pos.	Dimension A	Single-Row Coupling Shroud
4	<b>.485</b> [12.32]	103680-1
5	<b>.585</b> [14.86]	103680-2
6	<b>.685</b> [17.40]	103680-3
7	<b>.785</b> [19.94]	103680-4
8	<b>.885</b> [22.48]	103680-5
9	<b>.985</b> [25.02]	103680-6
10	<b>1.085</b> [27.56]	103680-7
11	<b>1.185</b> [30.10]	103680-8
12	<b>1.285</b> [32.64]	103680-9
13	<b>1.385</b> [35.18]	1-103680-0
14	<b>1.485</b> [37.72]	1-103680-1

No. of Pos.	Dimension A	Single-Row Coupling Shroud
15	<b>1.585</b> [40.26]	1-103680-2
16	<b>1.685</b> [42.80]	1-103680-3
17	<b>1.785</b> [45.34]	1-103680-4
18	<b>1.885</b> [47.88]	1-103680-5
19	<b>1.985</b> [50.42]	1-103680-6
20	<b>2.085</b> [52.96]	1-103680-7
21	<b>2.185</b> [55.50]	1-103680-8
22	<b>2.285</b> [58.04]	1-103680-9
23	<b>2.385</b> [60.58]	2-103680-0
24	<b>2.485</b> [63.12]	2-103680-1
25	<b>2.585</b> [65.66]	2-103680-2



Typical Application of Single-Row Coupling Shroud and Mating AMPMODU MTE Products



# Coupling Shrouds for MTE Receptacle Assemblies with Guide Ribs (Continued)

#### **Double-Row**

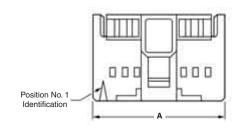
#### Material

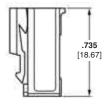
Black thermoplastic, 94V-0 rated

**Technical Documents** — pages 277, 278

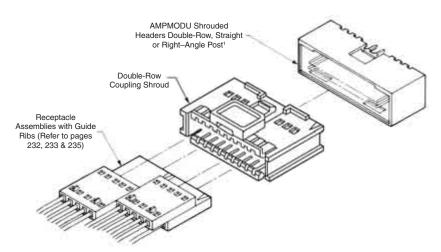
**Product Specification** 108-25034

**Application Specification** 114-25026





No. of Pos.	Dimension A	Double-Row Coupling Shroud
8	<b>.585</b> [14.86]	103681-1
10	<b>.685</b> [17.40]	103681-2
12	<b>.785</b> [19.94]	103681-3
14	<b>.885</b> [22.48]	103681-4
16	<b>.985</b> [25.02]	103681-5
18	<b>1.085</b> [27.56]	104500-1
20	<b>1.185</b> [30.10]	104500-2
22	<b>1.285</b> [32.64]	104500-3
24	<b>1.385</b> [35.18]	104500-4
26	<b>1.485</b> [37.72]	104500-5
28	<b>1.585</b> [40.26]	104500-6
30	<b>1.685</b> [42.80]	104500-7
32	<b>1.785</b> [45.34]	104500-8
34	<b>1.885</b> [47.88]	104500-9
40	<b>2.185</b> [55.50]	1-104500-0
50	<b>2.685</b> [68.20]	1-104500-1



'Mating AMPMODU Double-Row Shrouded Headers must have .318 [8.08] mating post length and .150 [3.81] dimension from centerline of last post to inside of end shroud wall.

Typical Application of Double-Row Coupling Shroud and Mating AMPMODU Products



# Panel Mount Pin Shrouds for MTE Pin Assemblies with Guide Ribs, Single-Row

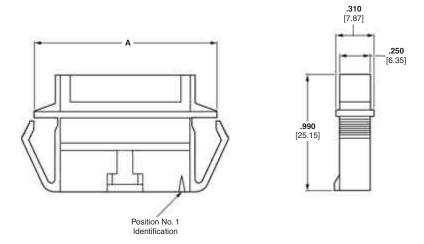
#### Material

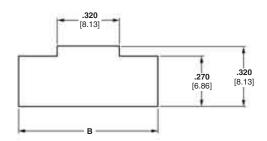
Black thermoplastic, 94V-0 rated

**Technical Documents** — pages 277, 278

**Product Specification** 108-25034

**Application Specification** 114-25026





No. of	Dim	Dimensions					
Pos.	Α	В	Pin Shroud				
2	<b>.735</b> [18.67]	<b>.625</b> [15.88]	103682-1				
3	<b>.835</b> [21.21]	<b>.725</b> [18.42]	103682-2				
4	<b>.935</b> [23.75]	<b>.825</b> [20.96]	103682-3				
5	<b>1.035</b> [26.29]	<b>.925</b> [23.50]	103682-4				
6	<b>1.135</b> [28.83]	<b>1.025</b> [26.04]	103682-5				
7	<b>1.235</b> [31.37]	<b>1.125</b> [28.58]	103682-6				
8	<b>1.335</b> [33.91]	<b>1.225</b> [31.12]	103682-7				
9	<b>1.435</b> [36.45]	<b>1.325</b> [33.66]	103682-8				
10	<b>1.535</b> [38.99]	<b>1.425</b> [36.20]	103682-9				
11	<b>1.635</b> [41.53]	<b>1.525</b> [38.74]	1-103682-0				
12	<b>1.735</b> [44.07]	<b>1.625</b> [41.28]	1-103682-1				
13	<b>1.835</b> [46.61]	<b>1.725</b> [43.82]	1-103682-2				

No. of	Dim	Panel Mount	
Pos.	Α	В	Pin Shroud
14	<b>1.935</b> [49.15]	<b>1.825</b> [46.36]	1-103682-3
15	<b>2.035</b> [51.69]	<b>1.925</b> [48.90]	1-103682-4
16	<b>2.135</b> [54.23]	<b>2.025</b> [51.44]	1-103682-5
17	<b>2.235</b> [56.77]	<b>2.125</b> [53.98]	1-103682-6
18	<b>2.335</b> [59.31]	<b>2.225</b> [56.52]	1-103682-7
19	<b>2.435</b> [61.85]	<b>2.325</b> [59.06]	1-103682-8
20	<b>2.535</b> [64.39]	<b>2.425</b> [61.60]	1-103682-9
21	<b>2.635</b> [66.93]	<b>2.525</b> [64.14]	2-103682-0
22	<b>2.735</b> [69.47]	<b>2.625</b> [66.68]	2-103682-1
23	<b>2.835</b> [72.01]	<b>2.725</b> [69.22]	2-103682-2
24	<b>2.935</b> [74.55]	<b>2.825</b> [71.76]	2-103682-3
25	<b>3.035</b> [77.09]	<b>2.925</b> [74.30]	2-103682-4



# Panel Mount Pin Shrouds for MTE Pin Assemblies with Guide Ribs, Single-Row (Continued)

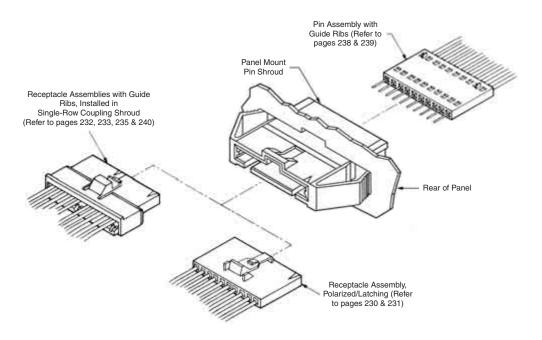
#### Material

Black thermoplastic, 94V-0 rated

**Technical Documents** — pages 277, 278

**Product Specification** 108-25034

**Application Specification** 114-25026



Typical Application of Panel Mount Pin Shroud and Mating AMPMODU Products

# **T**yco Electronics

# MTE Headers, Shrouded Polarized/Latching, Single-Row .100 [2.54] Centerline

#### .025 [0.64] Square Straight Post (With or Without Swaged Tail)



#### **Material and Finish**

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

**Posts** — Brass, plated as follows:

Plating A — Duplex plated .000030 [0.00076] gold on contact area, .000100 [0.00254] min. tin on solder area, with entire post underplated .000050 [0.00127] nickel

Plating B — Duplex plated .000015 [0.00038] gold on contact area, .000100 [0.00254] min. tin on solder area, with entire post underplated .000050 [0.00127] nickel

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

#### **Related Product Data**

Mateable AMPMODU MTE **Products** 

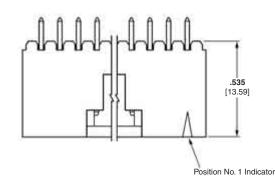
Receptacle Assemblies (Polarized/Latching) pages 230, 231

Receptacle Assemblies with Guide Ribs (installed in Single-Row Coupling Shroud) pages 232, 233, 235, 240

Technical Documents pages 277, 278

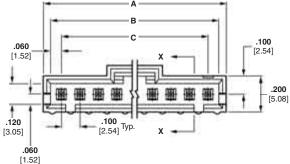
**Product Specification** 108-25034

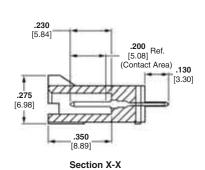
**Application Specification** 114-25026

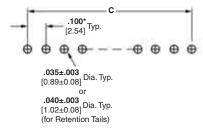




Swaged Retention Tail (See Note)







#### Recommended PC Board Hole Layout

\*±.003 [±0.08]; tolerances not to accumulate within one connector pattern.

Note: Swaged retention tails are provided in a minimum of two locations per header.



# MTE Headers, Shrouded Polarized/Latching, Single-Row .100 [2.54] Centerline (Continued)

No. of		Dimension	ns	Polarized/La	atching Header	With Swage	Polarized/La	tching Header Wi	thout Swage
Pos.	Α	В	С	Plating A	Plating B	Plating C	Plating A	Plating B	Plating C
2	<b>.300</b> [7.62]	<b>.220</b> [5.59]	<b>.100</b> [2.54]	5-103908-1	5-104362-1	5-103669-1	5-103735-1	5-104363-1	5-103639-1
3	<b>.400</b> [10.16]	<b>.320</b> [8.13]	<b>.200</b> [5.08]	5-103908-2	5-104362-2	5-103669-2	5-103735-2	5-104363-2	5-103639-2
4	<b>.500</b> [12.70]	<b>.420</b> [10.67]	<b>.300</b> [7.62]	5-103908-3	5-104362-3	5-103669-3	5-103735-3	5-104363-3	5-103639-3
5	<b>.600</b> [15.24]	<b>.520</b> [13.21]	<b>.400</b> [10.16]	5-103908-4	5-104362-4	5-103669-4	5-103735-4	5-104363-4	5-103639-4
6	<b>.700</b> [17.78]	<b>.620</b> [15.75]	<b>.500</b> [12.70]	5-103908-5	5-104362-5	5-103669-5	5-103735-5	5-104363-5	5-103639-5
7	<b>.800</b> [20.32]	<b>.720</b> [18.29]	<b>.600</b> [15.24]	5-103908-6	5-104362-6	5-103669-6	5-103735-6	5-104363-6	5-103639-6
8	<b>.900</b> [22.86]	<b>.820</b> [20.83]	<b>.700</b> [17.78]	5-103908-7	5-104362-7	5-103669-7	5-103735-7	5-104363-7	5-103639-7
9	<b>1.000</b> [25.40]	<b>.920</b> [23.37]	<b>.800</b> [20.32]	5-103908-8	5-104362-8	5-103669-8	5-103735-8	5-104363-8	5-103639-8
10	<b>1.100</b> [27.94]	<b>1.020</b> [25.91]	<b>.900</b> [22.86]	5-103908-9	5-104362-9	5-103669-9	5-103735-9	5-104363-9	5-103639-9
11	<b>1.200</b> [30.48]	<b>1.120</b> [28.45]	<b>1.000</b> [25.40]	6-103908-0	6-104362-0	6-103669-0	6-103735-0	6-104363-0	6-103639-0
12	<b>1.300</b> [33.02]	<b>1.220</b> [30.99]	<b>1.100</b> [27.94]	6-103908-1	6-104362-1	6-103669-1	6-103735-1	6-104363-1	6-103639-1
13	<b>1.400</b> [35.56]	<b>1.320</b> [33.53]	<b>1.200</b> [30.48]	6-103908-2	6-104909-2	6-103669-2	6-103735-2	6-104910-2	6-103639-2
14	<b>1.500</b> [38.10]	<b>1.420</b> [36.07]	<b>1.300</b> [33.02]	6-103908-3	6-104909-3	6-103669-3	6-103735-3	6-104910-3	6-103639-3
15	<b>1.600</b> [40.64]	<b>1.520</b> [38.61]	<b>1.400</b> [35.56]	6-103908-4	6-104909-4	6-103669-4	6-103735-4	6-104910-4	6-103639-4
16	<b>1.700</b> [43.18]	<b>1.620</b> [41.15]	<b>1.500</b> [38.10]	6-103908-5	6-104909-5	6-103669-5	6-103735-5	6-104910-5	6-103639-5
17	<b>1.800</b> [45.72]	<b>1.720</b> [43.69]	<b>1.600</b> [40.64]	6-103908-6	6-104909-6	6-103669-6	6-103735-6	6-104910-6	6-103639-6
18	<b>1.900</b> [48.26]	<b>1.820</b> [46.23]	<b>1.700</b> [43.18]	6-103908-7	6-104909-7	6-103669-7	6-103735-7	6-104910-7	6-103639-7
19	<b>2.000</b> [50.80]	<b>1.920</b> [48.77]	<b>1.800</b> [45.72]	6-103908-8	6-104909-8	6-103669-8	6-103735-8	6-104910-8	6-103639-8
20	<b>2.100</b> [53.34]	<b>2.020</b> [51.31]	<b>1.900</b> [48.26]	6-103908-9	6-104909-9	6-103669-9	6-103735-9	6-104910-9	6-103639-9
21	<b>2.200</b> [55.88]	<b>2.120</b> [53.85]	<b>2.000</b> [50.80]	7-103908-0	7-104909-0	7-103669-0	7-103735-0	7-104910-0	7-103639-0
22	<b>2.300</b> [58.42]	<b>2.220</b> [56.39]	<b>2.100</b> [53.34]	7-103908-1	7-104909-1	7-103669-1	7-103735-1	7-104910-1	7-103639-1
23	<b>2.400</b> [60.96]	<b>2.320</b> [58.93]	<b>2.200</b> [55.88]	7-103908-2	7-104909-2	7-103669-2	7-103735-2	7-104910-2	7-103639-2
24	<b>2.500</b> [63.50]	<b>2.420</b> [61.47]	<b>2.300</b> [58.42]	7-103908-3	7-104909-3	7-103669-3	7-103735-3	7-104910-3	7-103639-3
25	<b>2.600</b> [66.04]	<b>2.520</b> [64.01]	<b>2.400</b> [60.96]	7-103908-4	7-104909-4	7-103669-4	7-103735-4	7-104910-4	7-103639-4

Notes: 1. Selectively loaded headers are available, consult Tyco Electronics.

<sup>2.</sup> Use Keying Tool No. 91417-1 to remove post for keying.

# MTE Headers, Shrouded Latching, Single-Row .100 [2.54] Centerline

#### .025 [0.64] Square **Right-Angle Post**



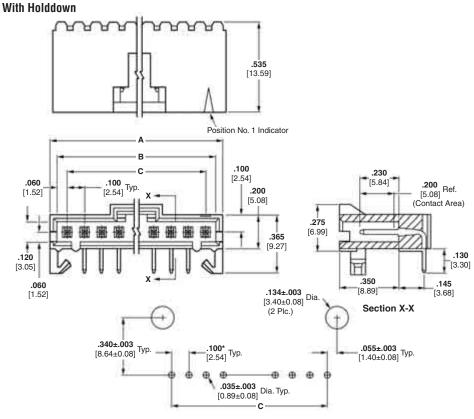
#### **Material and Finish**

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

**Posts** — Brass, plated as follows: Plating A — Duplex plated .000030 [0.00076] gold on contact area, .000100 [0.00254] min. tin on solder area, with entire post underplated .000050 [0.00127] nickel

 $\textbf{Plating B} \longrightarrow \text{Duplex plated }.000015$ [0.00038] gold on contact area, .000100 [0.00254] min. tin on solder area, with entire post underplated .000050 [0.00127] nickel

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



Recommended PC Board Hole Layout (PC board thickness (for Holddown Feature) is .062±.008 [1.57±0.20]) \*±.003 [±0.08]; tolerance not to accumulate within one connector pattern.

#### **Related Product Data**

Mateable AMPMODU MTE Products -

**Receptacle Assemblies** (**Latching**) — pages 230, 231

Receptacle Assemblies with Guide Ribs (installed in Single-Row Coupling Shroud) -

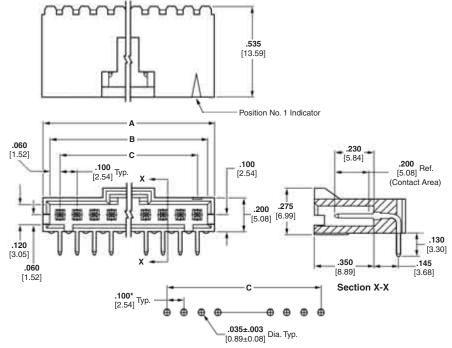
pages 232, 233, 235, 240

Technical Documents pages 277, 278

**Product Specification** 108-25034

**Application Specification** 114-25026

# Without Holddown



Recommended PC Board Hole Layout \*±.003 [±0.08]; tolerance not to accumulate within one connector pattern.

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Catalog 1307819 Revised 8-08

Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents.

Dimensions are shown for reference purposes only. Specifications subject to change.

USA: 1-800-522-6752 Canada: 1-905-470-4425 Mexico: 01-800-733-8926 C. America: 52-55-1106-0803



# MTE Headers, Shrouded Latching, Single-Row .100 [2.54] Centerline (Continued)

No. of		Dimension	s	Latching	Header With Ho	old Down	Latching	Header Without H	old Down
Pos.	Α	В	С	Plating A	Plating B	Plating C	Plating A	Plating B	Plating C
2	<b>.300</b> [7.62]	<b>.220</b> [5.59]	<b>.100</b> [2.54]	5-103904-1	5-103673-1	5-103672-1	5-104935-5	5-103635-1	5-103634-1
3	<b>.400</b> [10.16]	<b>.320</b> [8.13]	<b>.200</b> [5.08]	5-103904-2	5-103673-2	5-103672-2	5-104935-3	5-103635-2	5-103634-2
4	<b>.500</b> [12.70]	<b>.420</b> [10.67]	<b>.300</b> [7.62]	5-103904-3	5-103673-3	5-103672-3	5-104935-1	5-103635-3	5-103634-3
5	<b>.600</b> [15.24]	<b>.520</b> [13.21]	<b>.400</b> [10.16]	5-103904-4	5-103673-4	5-103672-4	5-104935-6	5-103635-4	5-103634-4
6	<b>.700</b> [17.78]	<b>.620</b> [15.75]	<b>.500</b> [12.70]	5-103904-5	5-103673-5	5-103672-5	5-104935-7	5-103635-5	5-103634-5
7	<b>.800</b> [20.32]	<b>.720</b> [18.29]	<b>.600</b> [15.24]	5-103904-6	5-103673-6	5-103672-6	5-104935-8	5-103635-6	5-103634-6
8	<b>.900</b> [22.86]	<b>.820</b> [20.83]	<b>.700</b> [17.78]	5-103904-7	5-103673-7	5-103672-7	5-104935-2	5-103635-7	5-103634-7
9	<b>1.000</b> [25.40]	<b>.920</b> [23.37]	<b>.800</b> [20.32]	5-103904-8	5-103673-8	5-103672-8	5-104935-9	5-103635-8	5-103634-8
10	<b>1.100</b> [27.94]	<b>1.020</b> [25.91]	<b>.900</b> [22.86]	5-103904-9	5-103673-9	5-103672-9	6-104935-0	5-103635-9	5-103634-9
11	<b>1.200</b> [30.48]	<b>1.120</b> [28.45]	<b>1.000</b> [25.40]	6-103904-0	6-103673-0	6-103672-0	6-104935-1	6-103635-0	6-103634-0
12	<b>1.300</b> [33.02]	<b>1.220</b> [30.99]	<b>1.100</b> [27.94]	6-103904-1	6-103673-1	6-103672-1	5-104935-4	6-103635-1	6-103634-1
13	<b>1.400</b> [35.56]	<b>1.320</b> [33.53]	<b>1.200</b> [30.48]	6-103904-2	6-103673-2	6-103672-2	6-104935-2	6-103635-2	6-103634-2
14	<b>1.500</b> [38.10]	<b>1.420</b> [36.07]	<b>1.300</b> [33.02]	6-103904-3	6-103673-3	6-103672-3	6-104935-3	6-103635-3	6-103634-3
15	<b>1.600</b> [40.64]	<b>1.520</b> [38.61]	<b>1.400</b> [35.56]	6-103904-4	6-103673-4	6-103672-4	6-104935-4	6-103635-4	6-103634-4
16	<b>1.700</b> [43.18]	<b>1.620</b> [41.15]	<b>1.500</b> [38.10]	6-103904-5	6-103673-5	6-103672-5	6-104935-5	6-103635-5	6-103634-5
17	<b>1.800</b> [45.72]	<b>1.720</b> [43.69]	<b>1.600</b> [40.64]	6-103904-6	6-103673-6	6-103672-6	6-104935-6	6-103635-6	6-103634-6
18	<b>1.900</b> [48.26]	<b>1.820</b> [46.23]	<b>1.700</b> [43.18]	6-103904-7	6-103673-7	6-103672-7	6-104935-7	6-103635-7	6-103634-7
19	<b>2.000</b> [50.80]	<b>1.920</b> [48.77]	<b>1.800</b> [45.72]	6-103904-8	6-103673-8	6-103672-8	6-104935-8	6-103635-8	6-103634-8
20	<b>2.100</b> [53.34]	<b>2.020</b> [51.31]	<b>1.900</b> [48.26]	6-103904-9	6-103673-9	6-103672-9	6-104935-9	6-103635-9	6-103634-9
21	<b>2.200</b> [55.88]	<b>2.120</b> [53.85]	<b>2.000</b> [50.80]	7-103904-0	7-103673-0	7-103672-0	7-104935-0	7-103635-0	7-103634-0
22	<b>2.300</b> [58.42]	<b>2.220</b> [56.39]	<b>2.100</b> [53.34]	7-103904-1	7-103673-1	7-103672-1	7-104935-1	7-103635-1	7-103634-1
23	<b>2.400</b> [60.96]	<b>2.320</b> [58.93]	<b>2.200</b> [55.88]	7-103904-2	7-103673-2	7-103672-2	7-104935-2	7-103635-2	7-103634-2
24	<b>2.500</b> [63.50]	<b>2.420</b> [61.47]	<b>2.300</b> [58.42]	7-103904-3	7-103673-3	7-103672-3	7-104935-3	7-103635-3	7-103634-3
25	<b>2.600</b> [66.04]	<b>2.520</b> [64.01]	<b>2.400</b> [60.96]	7-103904-4	7-103673-4	7-103672-4	7-104935-4	7-103635-4	7-103634-4

Notes: 1. Selectively loaded headers are available, consult Tyco Electronics. 2. Use Keying Tool No. 91417-1 to remove post for keying.

# **T**yco **Electronics**

## MTE Headers, Shrouded Latching, Single-Row .100 [2.54] Centerline

#### .025 [0.64] Square Straight **Post (With Swaged Tails** and PC Board Orientation)



#### **Material and Finish**

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

Posts — Brass, plated .000100 [0.00254] tin over .000050 [0.00127] nickel on entire post

#### **Related Product Data**

**Mateable AMPMODU MTE** Products -

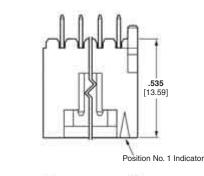
**Receptacle Assemblies** (Polarized/Latching) pages 230, 231

Receptacle Assemblies with Guide Ribs (installed in Single-Row **Coupling Shroud)** pages 232, 233, 235, 240

Technical Documents pages 277, 278

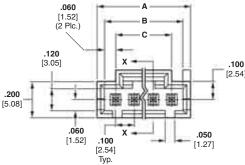
**Product Specification** 108-25034

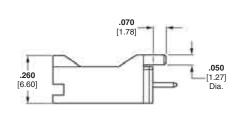
**Application Specification** 114-25026

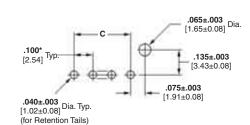


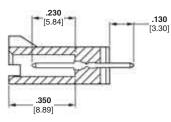


Swaged Retention Tail (See Note)









Section X-X

Recommended PC Board Hole Layout

\*±.003 [±0.08]; tolerances not to accumulate within one connector pattern. Note: Swaged retention tails are provided in a minimum of two locations per header.

No. of			Latching	
Pos.	Α	В	С	Header
2	<b>.300</b> [7.62]	<b>.220</b> [5.59]	<b>.100</b> [2.54]	5-104450-1
3	<b>.400</b> [10.16]	<b>.320</b> [8.13]	<b>.200</b> [5.08]	5-104450-2
4	<b>.500</b> [12.70]	<b>.420</b> [10.67]	<b>.300</b> [7.62]	5-104450-3
5	<b>.600</b> [15.24]	<b>.520</b> [13.21]	<b>.400</b> [10.16]	5-104450-4
6	<b>.700</b> [17.78]	<b>.620</b> [15.75]	<b>.500</b> [12.70]	5-104450-5
7	<b>.800</b> [20.32]	<b>.720</b> [18.29]	<b>.600</b> [15.24]	5-104450-6
8	<b>.900</b> [22.86]	<b>.820</b> [20.83]	<b>.700</b> [17.78]	5-104450-7
9	<b>1.000</b> [25.40]	<b>.920</b> [23.37]	<b>.800</b> [20.32]	5-104450-8
10	<b>1.100</b> [27.94]	1.020 [25.91]	<b>.900</b> [22.86]	5-104450-9

Note: All part numbers are RoHS compliant.

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Catalog 1307819 Revised 8-08

USA: 1-800-522-6752 Canada: 1-905-470-4425 Mexico: 01-800-733-8926 C. America: 52-55-1106-0803

South America: 55-11-2103-6000 Hong Kong: 852-2735-1628 Japan: 81-44-844-8013 UK: 44-8706-080-208

www.tycoelectronics.com



# MTE Headers, Through-hole, Surface Mount Compatible, Shrouded Polarized/Latching, Single-Row .100 [2.54] Centerline

# .025 [0.64] Square Straight Post (With Swaged Tails and PC Board Orientation)



#### **Material and Finish**

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

Posts — Brass, duplex plated .000015 [0.00038] gold on contact area, .000100 [0.00254] min tin on solder tail, with entire post underplated .000050 [0.00127] nickel

#### **Related Product Data**

Mateable AMPMODU MTE Products —

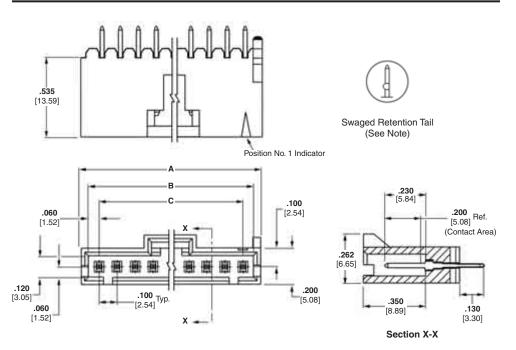
Receptacle Assemblies with Guide Ribs (installed in Single-Row Coupling Shroud) pages 232, 233, 235, 240

Receptacle Assemblies (Polarized Latching) — pages 230, 231

**Technical Documents** — pages 277, 278

**Product Specification** 108-25034

**Application Specification** 114-25026



.040±.002 [1.02±0.05] Typ .100\* .065±.003 .180±.002 [1.65±0.08] [4.57±0.05] 135+.003 [3.43+0.08] .040±.003 [1.02±0.08] Dia. Typ. .020±.002 [0.51±0.05] Plated-Thru Hole Tvp. Header Profile (Shown for .075±.003 orientation purposes only) [1.90±0.08]

Recommended PC Board Hole Layout (Stencil Thickness = .010 [0.25])

\*±.003 [±0.08] tolerance not to accumulate within one connector pattern

No. of		Polarized/Latching		
Pos.	A	В	С	Header, High-Temp
2	<b>.300</b> [7.62]	<b>.220</b> [5.59]	<b>.100</b> [2.54]	5-104809-1
3	<b>.400</b> [10.16]	<b>.320</b> [8.13]	<b>.200</b> [5.08]	5-104809-2
4	<b>.500</b> [12.70]	<b>.420</b> [10.67]	<b>.300</b> [7.62]	5-104809-3
5	<b>.600</b> [15.24]	<b>.520</b> [13.21]	<b>.400</b> [10.16]	5-104809-4
6	<b>.700</b> [17.78]	<b>.620</b> [15.75]	<b>.500</b> [12.70]	5-104809-5
7	<b>.800</b> [20.32]	<b>.720</b> [18.29]	<b>.600</b> [15.24]	5-104809-6
8	<b>.900</b> [22.86]	<b>.820</b> [20.83]	<b>.700</b> [17.78]	5-104809-7
9	<b>1.000</b> [25.40]	<b>.920</b> [23.37]	<b>.800</b> [20.32]	5-104809-8
10	<b>1.100</b> [27.94]	<b>1.020</b> [25.91]	<b>.900</b> [22.86]	5-104809-9
11	<b>1.200</b> [30.48]	<b>1.120</b> [28.45]	<b>1.000</b> [25.40]	6-104809-0
12	<b>1.300</b> [33.02]	<b>1.220</b> [30.99]	<b>1.100</b> [27.94]	6-104809-1

Note: All part numbers are RoHS compliant.

Catalog 1307819 Revised 8-08

# MTE Headers, Polarized/Latching, Through-Hole, Surface Mount Compatible, Single-Row, .100 [2.54] Centerline

#### .025 [0.64] Square Right-Angle Post (With Holddown)

Electronics



#### **Material and Finish**

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

**Posts** — Brass, duplex plated .000015 [0.00038] gold on contact area, .000100 [0.00254] min. tin on solder tail, with entire post underplated .000050 [0.00127] nickel

#### **Related Product Data**

**Mateable AMPMODU MTE** Products -

Receptacle Assemblies (Polarized/ **Latching**) — pages 230, 231

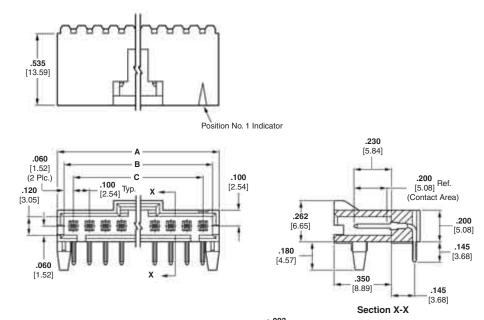
**Receptacle Assemblies with Guide** Ribs (installed in Single-Row Coupling Shroud) — pages 232, 233, 235, 240

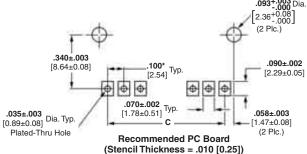
Technical Documents pages 277, 278

**Product Specification** 108-25034

**Application Specification** 

114-25026





\*±.003 [±0.08]; tolerance is not to accumulate within one connector pattern.

No. of		Dimensions					
Pos.	Α	В	С	Header with Hold Down			
2	<b>.300</b> [7.62]	<b>.220</b> [5.59]	<b>.100</b> [2.54]	5-104361-1			
3	<b>.400</b> [10.16]	<b>.320</b> [8.13]	<b>.200</b> [5.08]	5-104361-2			
4	<b>.500</b> [12.70]	<b>.420</b> [10.67]	<b>.300</b> [7.62]	5-104361-3			
5	<b>.600</b> [15.24]	<b>.520</b> [13.21]	<b>.400</b> [10.16]	5-104361-4			
6	<b>.700</b> [17.78]	<b>.620</b> [15.75]	<b>.500</b> [12.70]	5-104361-5			
7	<b>.800</b> [20.32]	<b>.720</b> [18.29]	<b>.600</b> [15.24]	5-104361-6			
8	<b>.900</b> [22.86]	<b>.820</b> [20.83]	<b>.700</b> [17.78]	5-104361-7			
9	<b>1.000</b> [25.40]	<b>.920</b> [23.37]	<b>.800</b> [20.32]	5-104361-8			
10	<b>1.100</b> [27.94]	1.020 [25.91]	<b>.900</b> [22.86]	5-104361-9			
11	<b>1.200</b> [30.48]	<b>1.120</b> [28.44]	<b>1.000</b> [25.40]	6-104361-0			
12	<b>1.300</b> [33.02]	<b>1.220</b> [30.99]	<b>1.100</b> [27.94]	6-104361-1			
13	<b>1.400</b> [35.56]	<b>1.320</b> [33.53]	<b>1.200</b> [30.48]	6-104361-2			

No. of		Hight-Angle Header			
Pos.	Α	В	С	with Hold Down	
14	<b>1.500</b> [38.10]	<b>1.420</b> [36.07]	<b>1.300</b> [33.02]	6-104361-3	
15	<b>1.600</b> [40.64]	<b>1.520</b> [38.61]	<b>1.400</b> [35.56]	6-104361-4	
16	<b>1.700</b> [43.18]	<b>1.620</b> [41.15]	<b>1.500</b> [38.10]	6-104361-5	
17	<b>1.800</b> [45.72]	<b>1.720</b> [43.69]	<b>1.600</b> [40.64]	6-104361-6	
18	<b>1.900</b> [48.26]	<b>1.820</b> [46.23]	<b>1.700</b> [43.18]	6-104361-7	
19	<b>2.000</b> [50.80]	<b>1.920</b> [48.77]	<b>1.800</b> [45.72]	6-104361-8	
20	<b>2.100</b> [53.34]	<b>2.020</b> [51.31]	<b>1.900</b> [48.26]	6-104361-9	
21	<b>2.200</b> [55.88]	<b>2.120</b> [53.85]	<b>2.000</b> [50.80]	7-104361-0	
22	<b>2.300</b> [58.42]	<b>2.220</b> [56.39]	<b>2.100</b> [53.34]	7-104361-1	
23	<b>2.400</b> [60.96]	<b>2.320</b> [58.93]	<b>2.200</b> [55.88]	7-104361-2	
24	<b>2.500</b> [63.50]	<b>2.420</b> [61.47]	<b>2.300</b> [58.42]	7-104361-3	
25	<b>2.600</b> [66.04]	<b>2.520</b> [64.01]	<b>2.400</b> [60.96]	7-104361-4	

Note: All part numbers are RoHS compliant.

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Catalog 1307819 Revised 8-08

Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents.

Dimensions are shown for reference purposes only. Specifications subject to change.

USA: 1-800-522-6752 Canada: 1-905-470-4425 Mexico: 01-800-733-8926 C. America: 52-55-1106-0803



# MTE Headers, Right-Angle, Polarized/Latching, Surface Mount



#### **Material and Finish**

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

**Posts** — Brass, plated as follows: **Plating A** — Duplex plated .000030

[.00076] gold on contact area, .000100 [.00254] min. tin on solder area, with entire post underplated .000050 [.00127] nickel.

Plating B — Duplex plated .000015 [.00038] gold on contact area, .000100 [.00254] min. tin on solder area, with entire post underplated .000050 [.00127] nickel.

**Plating C** — .000100 [.00254] tin over .000050 [.00127] nickel on entire post

# Recommended PC Board Layout

(Refer to MTE Application Spec. 114-25026 for Stencil Aperture Layout Using .006 [0.152] or .008 [0.203] Stencil Thickness)

#### Related Product Data Mateable AMPMODU MTE Products —

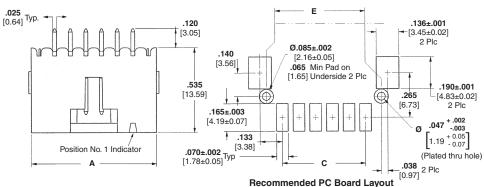
Receptacle Assemblies (Polarized/ Latching) — pages 230, 231

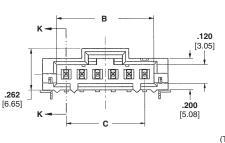
Receptacle Assemblies with Guide Ribs (installed in Single-Row Coupling Shroud) — pages 232, 233, 235, 240

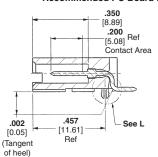
# **Technical Documents** — pages 277, 278

**Product Specification** 108-25034

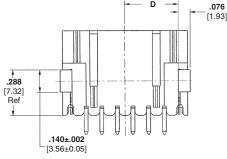
**Application Specification** 114-25026

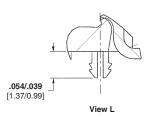






Section K-K





No. of			Dimensions	Right-Angle Latching SMT Headers				
Pos.	Α	В	С	D	E	Plating A	Plating B	Plating C
2	<b>.400</b> [10.16]	. <b>220</b> [5.59]	<b>.100</b> [2.54]	.140 [3.56]	<b>.290</b> [7.37]	5-147323-1	5-147278-1	5-147324-1
3	<b>.500</b> [12.70]	. <b>320</b> [8.13]	<b>.200</b> [5.08]	<b>.190</b> [4.83]	<b>.390</b> [9.91]	5-147323-2	5-147278-2	5-147324-2
4	<b>.600</b> [15.24]	. <b>420</b> [10.67]	<b>.300</b> [7.62]	<b>.240</b> [6.10]	<b>.490</b> [12.45]	5-147323-3	5-147278-3	5-147324-3
5	<b>.700</b> [17.78]	. <b>520</b> [13.21]	<b>.400</b> [10.16]	<b>.290</b> [7.37]	<b>.590</b> [14.99]	5-147323-4	5-147278-4	5-147324-4
6	<b>.800</b> [20.32]	. <b>620</b> [15.75]	<b>.500</b> [12.70]	<b>.340</b> [8.64]	<b>.690</b> [17.53]	5-147323-5	5-147278-5	5-147324-5
7	<b>.900</b> [22.86]	. <b>720</b> [18.29]	<b>.600</b> [15.24]	<b>.390</b> [9.91]	<b>.790</b> [20.07]	5-147323-6	5-147278-6	5-147324-6
8	<b>1.000</b> [25.40]	. <b>820</b> [20.83]	<b>.700</b> [17.78]	<b>.440</b> [11.18]	<b>.890</b> [22.61]	5-147323-7	5-147278-7	5-147324-7
9	<b>1.100</b> [27.94]	. <b>920</b> [23.37]	<b>.800</b> [20.32]	<b>.490</b> [12.45]	<b>.990</b> [25.15]	5-147323-8	5-147278-8	5-147324-8
10	<b>1.200</b> [30.48]	1.020 [25.91]	<b>.900</b> [22.86]	<b>.540</b> [13.72]	<b>1.090</b> [27.69]	5-147323-9	5-147278-9	5-147324-9
11	<b>1.300</b> [33.02]	<b>1.120</b> [28.45]	<b>1.000</b> [25.40]	<b>.590</b> [14.99]	<b>1.190</b> [30.23]	6-147323-0	6-147278-0	6-147324-0
12	<b>1.400</b> [35.56]	<b>1.220</b> [30.99]	<b>1.100</b> [27.94]	<b>.640</b> [16.26]	<b>1.290</b> [32.77]	6-147323-1	6-147278-1	6-147324-1
13	<b>1.500</b> [38.10]	<b>1.320</b> [33.53]	<b>1.200</b> [30.48]	<b>.690</b> [17.53]	<b>1.390</b> [35.31]	6-147323-2	6-147278-2	6-147324-2
14	<b>1.600</b> [40.64]	<b>1.420</b> [36.07]	<b>1.300</b> [33.02]	<b>.740</b> [18.80]	<b>1.490</b> [37.85]	6-147323-3	6-147278-3	6-147324-3
15	<b>1.700</b> [43.18]	<b>1.520</b> [38.61]	<b>1.400</b> [35.56]	<b>.790</b> [20.07]	<b>1.590</b> [40.39]	6-147323-4	6-147278-4	6-147324-4
16	<b>1.800</b> [45.72]	<b>1.620</b> [41.15]	<b>1.500</b> [38.10]	<b>.840</b> [21.34]	<b>1.690</b> [42.93]	6-147323-5	6-147278-5	6-147324-5
17	<b>1.900</b> [48.26]	<b>1.720</b> [43.69]	<b>1.600</b> [40.64]	<b>.890</b> [22.61]	<b>1.790</b> [45.47]	6-147323-6	6-147278-6	6-147324-6
18	<b>2.000</b> [50.80]	<b>1.820</b> [46.23]	<b>1.700</b> [43.18]	<b>.940</b> [23.88]	<b>1.890</b> [48.01]	6-147323-7	6-147278-7	6-147324-7
19	<b>2.100</b> [53.34]	<b>1.920</b> [48.77]	<b>1.800</b> [45.72]	<b>.990</b> [25.15]	<b>1.990</b> [50.55]	6-147323-8	6-147278-8	6-147324-8
20	<b>2.200</b> [55.88]	<b>2.020</b> [51.31]	<b>1.900</b> [48.26]	1.040 [26.42]	<b>2.090</b> [53.09]	6-147323-9	6-147278-9	6-147324-9
21	<b>2.300</b> [58.42]	<b>2.120</b> [53.85]	<b>2.000</b> [50.80]	1.090 [27.69]	<b>2.190</b> [55.63]	7-147323-0	7-147278-0	7-147324-0
22	<b>2.400</b> [60.96]	<b>2.220</b> [56.39]	<b>2.100</b> [53.34]	<b>1.140</b> [28.96]	<b>2.290</b> [58.17]	7-147323-1	7-147278-1	7-147324-1
23	<b>2.500</b> [63.50]	<b>2.320</b> [58.93]	<b>2.200</b> [55.88]	<b>1.190</b> [30.23]	<b>2.390</b> [60.71]	7-147323-2	7-147278-2	7-147324-2
24	<b>2.600</b> [66.04]	<b>2.420</b> [61.47]	<b>2.300</b> [58.42]	<b>1.240</b> [31.50]	<b>2.490</b> [63.25]	7-147323-3	7-147278-3	7-147324-3
25	<b>2.700</b> [68.58]	<b>2.520</b> [64.01]	<b>2.400</b> [60.96]	1.290 [32.77]	<b>2.590</b> [65.79]	7-147323-4	7-147278-4	7-147324-4

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

Catalog 1307819 Revised 8-08

Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents.

Dimensions are shown for reference purposes only. Specifications subject to change.

USA: 1-800-522-6752 Canada: 1-905-470-4425 Mexico: 01-800-733-8926 C. America: 52-55-1106-0803 South America: 55-11-2103-6000 Hong Kong: 852-2735-1628 Japan: 81-44-844-8013 UK: 44-8706-080-208 251

# **T**yco **Electronics**

## MTE Headers, Vertical, Polarized/Latching, Surface Mount



#### **Material and Finish**

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

**Posts** — Brass, plated as follows: Plating A — Duplex plated .000030 [.00076] gold on contact area, .000100 [.00254] min. tin on solder area, with entire post underplated .000050 [.00127] nickel.

Plating B — Duplex plated .000015 [.00038] gold on contact area, .000100 [.00254] min. tin on solder area, with entire post underplated .000050 [.00127] nickel.

**Plating C** — .000100 [.00254] tin over .000050 [.00127] nickel on entire

#### Recommended **PC Board Layout**

(Refer to MTE Application Spec. 114-25026 for Stencil Aperature Layout using .006 [0.152] or .008 [0.203] stencil thickness

#### **Related Product Data** Mateable AMPMODU MTE **Products**

Receptacle Assemblies (Polarized/ **Latching)** — pages 230, 231

Receptacle Assemblies with Guide Ribs (installed in Single-Row Coupling Shroud) — pages 232, 233, 235, 240

Technical Documents pages 277, 278

**Product Specification** 108-25034

**Application Specification** 114-25026

.075 .025 [0.62]Тур [1.90] .535 [13.59] **.313** [7.62] [1.52] Position No. 1 Indicator .230 .025 [5.84] .100 .120 [2.54] Pick and Place Cap [3.05] .200 Section K-K [5.08] .100 Тур. .055±.003  $0.052 \begin{array}{l} + .002 \\ - .003 \\ \hline \\ 1.32 \begin{array}{l} + 0.05 \\ - 0.07 \end{array}$ [1.40±0.08] .088±.003 [2.25±0.08] Plated Thru-Hole Ø .070±.002 113 [1.78±0.05] [2.88] [5.76] - **0.06** [1.53]

Recommended PC Board Layout

Position No. 1

No. of		D	imensions	Vertical SMT Headers				
Pos.	Α	A B		D	E	Plating A	Plating B	Plating C
2	<b>.300</b> [7.62]	<b>.220</b> [5.59]	<b>.100</b> [2.54]	<b>.220</b> [5.60]	<b>.110</b> [2.80]	5-1375583-1	5-1375582-1	5-1375549-1
3	<b>.400</b> [10.16]	<b>.320</b> [8.13]	<b>.200</b> [5.08]	<b>.320</b> [8.14]	<b>.160</b> [4.07]	5-1375583-2	5-1375582-2	5-1375549-2
4	<b>.500</b> [12.70]	<b>.420</b> [10.67]	<b>.300</b> [7.62]	<b>.420</b> [10.68]	<b>.210</b> [5.34]	5-1375583-3	5-1375582-3	5-1375549-3
5	<b>.600</b> [15.24]	<b>.520</b> [13.21]	<b>.400</b> [10.16]	<b>.520</b> [13.22]	<b>.260</b> [6.61]	5-1375583-4	5-1375582-4	5-1375549-4
6	<b>.700</b> [17.78]	<b>.620</b> [15.75]	<b>.500</b> [12.70]	<b>.620</b> [15.76]	<b>.310</b> [7.88]	5-1375583-5	5-1375582-5	5-1375549-5
7	<b>.800</b> [20.32]	<b>.720</b> [18.29]	<b>.600</b> [15.24]	<b>.720</b> [18.30]	<b>.360</b> [9.15]	5-1375583-6	5-1375582-6	5-1375549-6
8	<b>.900</b> [22.86]	<b>.820</b> [20.83]	<b>.700</b> [17.78]	<b>.820</b> [20.84]	<b>.410</b> [10.42]	5-1375583-7	5-1375582-7	5-1375549-7
9	<b>1.000</b> [25.40]	<b>.920</b> [23.37]	<b>.800</b> [20.32]	<b>.920</b> [23.38]	<b>.460</b> [11.69]	5-1375583-8	5-1375582-8	5-1375549-8
10	<b>1.100</b> [27.94]	<b>1.020</b> [25.91]	<b>.900</b> [22.86]	<b>1.020</b> [25.92]	<b>.510</b> [12.96]	5-1375583-9	5-1375582-9	5-1375549-9
11	<b>1.200</b> [30.48]	<b>1.120</b> [28.45]	<b>1.000</b> [25.40]	<b>1.120</b> [28.46]	<b>.560</b> [14.23]	6-1375583-0	6-1375582-0	6-1375549-0
12	<b>1.300</b> [33.02]	<b>1.220</b> [30.99]	<b>1.100</b> [27.94]	<b>1.220</b> [31.00]	<b>.610</b> [15.50]	6-1375583-1	6-1375582-1	6-1375549-1
13	<b>1.400</b> [35.56]	<b>1.320</b> [33.53]	<b>1.200</b> [30.48]	<b>1.320</b> [33.54]	<b>.660</b> [16.77]	6-1375583-2	6-1375582-2	6-1375549-2
14	<b>1.500</b> [38.10]	<b>1.420</b> [36.07]	<b>1.300</b> [33.02]	<b>1.420</b> [36.08]	<b>.710</b> [18.04]	6-1375583-3	6-1375582-3	6-1375549-3
15	<b>1.600</b> [40.64]	<b>1.520</b> [38.61]	<b>1.400</b> [35.56]	<b>1.520</b> [38.62]	<b>.760</b> [19.31]	6-1375583-4	6-1375582-4	6-1375549-4
16	<b>1.700</b> [43.18]	<b>1.620</b> [41.15]	<b>1.500</b> [38.10]	<b>1.620</b> [41.16]	<b>.810</b> [20.58]	6-1375583-5	6-1375582-5	6-1375549-5
17	<b>1.800</b> [45.72]	<b>1.720</b> [43.69]	<b>1.600</b> [40.64]	<b>1.720</b> [43.70]	<b>.860</b> [21.85]	6-1375583-6	6-1375582-6	6-1375549-6
18	<b>1.900</b> [48.26]	<b>1.820</b> [46.23]	<b>1.700</b> [43.18]	<b>1.820</b> [46.24]	<b>.910</b> [23.12]	6-1375583-7	6-1375582-7	6-1375549-7
19	<b>2.000</b> [50.80]	<b>1.920</b> [48.77]	<b>1.800</b> [45.72]	<b>1.920</b> [48.78]	<b>.960</b> [24.39]	6-1375583-8	6-1375582-8	6-1375549-8
20	<b>2.100</b> [53.34]	<b>2.020</b> [51.31]	<b>1.900</b> [48.26]	<b>2.020</b> [51.32]	1.010[25.66]	6-1375583-9	6-1375582-9	6-1375549-9
21	<b>2.200</b> [55.88]	<b>2.120</b> [53.85]	<b>2.000</b> [50.80]	<b>2.120</b> [53.86]	1.060[26.93]	7-1375583-0	7-1375582-0	7-1375549-0
22	<b>2.300</b> [58.42]	<b>2.220</b> [56.39]	<b>2.100</b> [53.34]	<b>2.220</b> [56.40]	<b>1.110</b> [28.20]	7-1375583-1	7-1375582-1	7-1375549-1
23	<b>2.400</b> [60.96]	<b>2.320</b> [58.93]	<b>2.200</b> [55.88]	<b>2.320</b> [58.94]	<b>1.160</b> [29.47]	7-1375583-2	7-1375582-2	7-1375549-2
24	<b>2.500</b> [63.50]	<b>2.420</b> [61.47]	<b>2.300</b> [58.42]	<b>2.420</b> [61.48]	<b>1.210</b> [30.74]	7-1375583-3	7-1375582-3	7-1375549-3
25	<b>2.600</b> [66.04]	<b>2.520</b> [64.01]	<b>2.400</b> [60.96]	<b>2.520</b> [64.02]	<b>1.260</b> [32.01]	7-1375583-4	7-1375582-4	7-1375549-4

Note: All part numbers are RoHS compliant.

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Catalog 1307819 Revised 8-08

Dimensions are in inches and millimeters unless otherwise specified. Values in brackets www.tycoelectronics.com are metric equivalents.

Dimensions are shown for reference purposes only. Specifications subject to change.

USA: 1-800-522-6752 Canada: 1-905-470-4425 Mexico: 01-800-733-8926 C. America: 52-55-1106-0803



## Interchangeable Contacts, Wire Crimp (Snap-In)

#### **Material and Finish**

Copper alloy C7025, plated as follows: **Plating A** — Duplex plated .000030 [0.00076] min. gold on contact area, .000050 [0.00127] min. tin in crimp area, with entire contact underplated .000050 [0.00127] min. nickel

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

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



Keying Plug
Part No. 104072-1

Ten plugs are supplied per strip.
Order quantity reflects the number
of strips required.



Extraction/Lance Reset Tool No. 843477-1

#### **Related Product Data**

**Performance Characteristics** — page 221

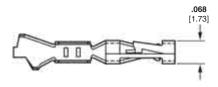
**Housings used in** — Short Point—pages 223, 224

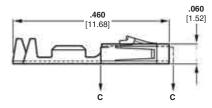
AMPMODU MTE Unloaded Housings — pages 228-233

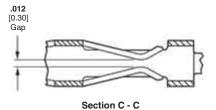
Application Tooling—

pages 270-272

#### **Short Point Receptacles**







**Technical Documents** — pages 277, 278

**Product Specification** 108-1472, 108-1472-1

**Application Specification** 

114-25038

	e Size inge	Ins. Dia.	Finish	Contact Part No. (Standard Pressure)		Heavy Duty Miniature Applicator for AMP-O-LECTRIC	Applicator for AMP-O-MATIC	Hand Tool
AWG	[mm <sup>2</sup> ]	Range		Strip Form	Loose Piece	Machine*	Stripper/Crimper Machine	Nos.
		005 000	Plating A	1-104481-1	1-104481-3	567296-2	466980-1	
32-28	0.03-0.08	<b>.025060</b> 0.64-1.52	Plating B	1-104481-0	1-104481-2			91518-1
			Plating C	5-104481-2	5-104481-6			
		.025060 0.64-1.52	Plating A	1-104480-3	1-104480-6	567297-2	466981-1	
26-22	0.13-0.3		Plating B	1-104480-2	1-104480-5			91518-1
		0.0102	Plating C	1-104480-7	1-104480-4			
		005 000	Plating A	1-104479-0	1-104479-3	567298-2	466982-1	
24-20	0.2-0.5	. <b>025060</b> 0.64-1.52	Plating B	104479-9	1-104479-2			91551-1
		0.0. 1.02	Plating C	104479-8	1-104479-1			

\*For use with Model "K" machines. Call the Technical Support Center (1-800-522-6752) for part nos. of applicators for use with the Model "G" machines (shown on page 270), as well as other bench machines and fully automatic AMPOMATOR lead making machines.

Note: These wire crimp contacts can be intermixed with insulation displacement crimp contacts.

Note: All part numbers are RoHS compliant.

Catalog 1307819 Revised 8-08 Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents.

Dimensions are shown for reference purposes only. Specifications subject to change.

USA: 1-800-522-6752 Canada: 1-905-470-4425 Mexico: 01-800-733-8926 C. America: 52-55-1106-0803

**Pins** 



### Interchangeable Contacts, Wire Crimp (Snap-In) (Continued)

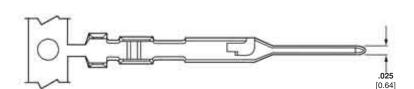
#### **Material and Finish**

Phosphor bronze, plated as follows:

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

Plating B — Duplex plated .000015 [0.00038] gold on contact area, .000030 [0.00076] min. tin on solder area, with entire contact underplated .000050 [0.00127] nickel

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





Extraction/Lance Reset Tool No. 843477-1

#### **Related Product Data**

Performance Characteristics — page 221

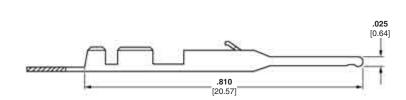
AMPMODU MTE Unloaded Housings — pages 228-233

**Application Tooling** — pages 270-272

**Technical Documents** — pages 277, 278

**Product Specification** 108-25034

**Application Specification** 114-25026



Wire Size Range		Ins. Dia.	Finish	Contact Part No. (Standard Pressure)		Miniature Applicator	Applicator for AMP-O-MATIC Stripper/	Hand Tool
AWG	[mm²]	Range		Strip Form	Loose Piece	for AMP-O-LECTRIC Machine*	Crimper Machine	Nos.
			Plating A	5-104506-6	5-104506-7	_	_	
32-28	0.03-0.08	8 <b>.025054</b> 0.64-1.37	Plating B	5-104506-4	5-104506-5			58342-2
			Plating C	5-104506-2	5-104506-3			
		000 054	Plating A	5-104505-6	5-104505-7	567239-2	466983-1	
26-22	0.14-0.32	. <b>036054</b> 0.91-1.37		5-104505-4	5-104505-5			91531-1
		0.01 1.07	Plating C	5-104505-2	5-104505-3			

<sup>\*</sup>For use with AMP-O-LECTRIC Model "K" machines. Call Technical Support Center (1-800-522-6752) for part nos. of applicators for use with the AMP-O-LECTRIC Model "G" machines (shown on page 270), as well as other bench machines and fully automatic AMPOMATOR lead making machines. **Note:** These wire crimp contacts can be intermixed with insulation displacement crimp contacts.

Note: All part numbers are RoHS compliant.

Catalog 1307819 Revised 8-08

Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents.

Dimensions are shown for reference purposes only. Specifications subject to change.

USA: 1-800-522-6752 Canada: 1-905-470-4425 Mexico: 01-800-733-8926 C. America: 52-55-1106-0803