



HEADERS & RECEPTACLES



TE CONNECTIVITY (TE)

14P MTA100 SHRD HDR ASSY 30AU

[MTA](#) | [MTA-100](#)

1-644487-4

TE Internal Number: 1-644487-4

[Converted to EU RoHS/ELV Compliant](#)

Centerline **2.54 mm [.1 in]**

Number of Positions **14**

PCB Mounting Orientation **Vertical**

PCB Mounting Style **Through Hole**

Number of Rows **1**

✓ Active

[↓ PRODUCT DRAWING](#)
English

[↓ 3D PDF](#)

Product Drawings

[MTA-100 SHROUDED HEADER ASSEMBLY, FRICTION LOCK, STRAIGHT POST, .000030 GOLD](#)

PDF
English

CAD Files

[Customer View Model](#)

3D_IGS.ZIP
English

[Customer View Model](#)

2D_DXF.ZIP
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[3D PDF](#)

PDF
3D

[Customer View Model](#)

3D_STP.ZIP
English

Catalog Pages/Data Sheets

[MTA, CST-100 II, SL-156 And AMP Economy Power \(EP\) Connectors](#)

PDF
English

Please review product documents or [contact us](#) for the latest agency approval information. Please Note: Use the Product Drawing for all design activity.

Product Type Features

| | |
|--------------------------|----------------------|
| PCB Mounting Orientation | Vertical |
| Product Type | Connector |
| Connector Type | Header |
| Connector System | Wire-to-Board |
| Strain Relief | Without |

| | | |
|----------------------------|--|---|
| | Sealed | No |
| | Connector Style | Plug |
| | Applies To | Printed Circuit Board |
| Configuration Features | Number of Positions | 14 |
| | Number of Rows | 1 |
| | Backwall/Post Interruptions | Without |
| Electrical Characteristics | Operating Voltage (VAC) | 250 |
| Body Features | Header Type | Shrouded |
| Contact Features | Contact Mating Area Plating Material | Gold |
| | Contact Mating Area Plating Thickness | .76 µm [30 µin] |
| | Underplate Material | Nickel |
| | Contact Termination Area Plating Thickness | .76 µm [30 µin] |
| | Underplate Material Thickness | 1.27 µm, 50 µin |
| | Contact Style | Straight |
| | Contact Shape | Square |
| | Tail Plating Material | Tin-Lead |
| | Contact Termination Area Plating Material | Gold |
| | Tail Plating Thickness | 3.81 – 8.89 µm [150 – 350 µin] |
| | Contact Type | Pin |
| | Contact Current Rating (A) | 5 |
| | Contact Layout | Inline |
| | Contact Base Material | Copper Alloy |
| Termination Features | Termination Method to PC Board | Through Hole - Solder |
| | Termination Method to Wire/Cable | Solder |
| Mechanical Attachment | PCB Mounting Style | Through Hole |
| | PCB Mount Alignment | With |
| | PCB Mount Alignment Type | Pegs |
| | Mating Retention | With |
| | PCB Mount Retention | With |
| | PCB Mount Retention Type | Tabs |
| | Contact Retention | Without |

| | |
|-----------------------|-----------------------|
| Contact Retention | Without |
| Mating Alignment Type | Polarizing Tab |
| Mating Retention Type | Friction Lock |
| Panel Mount Retention | Without |
| Mating Alignment | With |

| | | |
|------------------|------------------|--------------------------|
| Housing Features | Centerline | 2.54 mm [.1 in] |
| | Housing Color | Black |
| | Housing Style | Friction Lock |
| | Housing Material | Polyester - GF |

| | | |
|------------|-----------------------------|------------------------------|
| Dimensions | Tail Length | 3.56 mm [.14 in] |
| | Mating Post Length | 5.1 mm [.2 in] |
| | PCB Thickness (Recommended) | 1.6 mm [.063 in] |
| | Height | 10.41 mm [.41 in] |
| | Length | 37.69 mm [1.484 in] |

| | | |
|------------------|-----------------------------|--------------------------------------|
| Usage Conditions | Operating Temperature Range | -55 – 105 °C [-67 – 221 °F] |
|------------------|-----------------------------|--------------------------------------|

| | | |
|-----------------------|--------------|------------------------------------|
| Operation/Application | For Use With | MTA .100 Connector Assembly |
|-----------------------|--------------|------------------------------------|

| | | |
|--------------------|------------------------|-------------------|
| Industry Standards | UL Flammability Rating | UL 94V-0 |
| | UL File Number | E28476 |
| | CSA Rating | Certified |
| | Agency/Standard | CSA, UL |
| | CSA File Number | LR7189 |
| | UL Rating | Recognized |

| | | |
|--------------------|--------------------|--------------------|
| Packaging Features | Packaging Method | Loose Piece |
| | Packaging Quantity | 500 |

| | | |
|-------|---------|---|
| Other | Comment | Straight post header style with polarized retention peg available upon request. Minimums may apply |
|-------|---------|---|

Product Compliance [Statement of Compliance](#)
PDF

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Relation Type ▼

RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



Connectors - W-T-B Headers & Receptacles
MTA | MTA-100

**14P MTA100 CONN
ASSY 30AU - 4-644020-4**
TE INTERNAL NUMBER: 4-644020-4

✓ Active

Always EU RoHS/ELV Compliant

Centerline **2.54 mm**

Number of Positions **14**

Number of Rows **1**

Contact Mating Area Plating
Material **Gold**

Contact Mating Area Plating
Thickness **.76 µm**



RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



Connectors - W-T-B Headers & Receptacles
MTA | MTA-100

**14P MTA100 CONN
ASSY GRN LF
- 4-641240-4**
TE INTERNAL NUMBER: 4-641240-4

✓ Active

Always EU RoHS/ELV Compliant

Centerline **2.54 mm**

Number of Positions **14**

Number of Rows **1**

Contact Mating Area Plating
Material **Gold**

Contact Mating Area Plating
Thickness **.76 µm**



RELATIONSHIP

Mating Products

Used to identify Mating Parts

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PRODUCT - MATING PRODUCTS



Connectors - W-T-B Headers & Receptacles
MTA | MTA-100

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Compliant

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Contact Mating Area Plating
Material **Gold**



Contact Mating Area Plating
Thickness **.76 μm**

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