



HEADERS & RECEPTACLES



TE CONNECTIVITY (TE)

3P MTA100 HDR ASSY, SM, FL, LF

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

3-647166-3

TE Internal Number: 3-647166-3

[Always EU RoHS/ELV Compliant](#)

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

Number of Positions **3**

PCB Mounting Orientation **Vertical**

PCB Mounting Style **Surface Mount**

Number of Rows **1**

✓ Active

[↓ PRODUCT DRAWING](#)
English

[↓ 3D PDF](#)

Product Drawings

[MTA-100 HEADER ASSEMBLY, SURFACE MOUNT, FRICTION LOCK, .025 SQUARE STRAIGHT POST](#)

PDF
English

CAD Files

[Customer View Model](#)

3D_STP.ZIP
English

[3D PDF](#)

PDF
3D

[Customer View Model](#)

2D_DXF.ZIP
English

[Customer View Model](#)

3D_IGS.ZIP
English

Catalog Pages/Data Sheets

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

PDF
English

Product Specifications

Product Specification

[Connector, MTA-100](#)

PDF
English

Product Environmental Compliance

TE Material Declaration

[3P MTA100 HDR ASSY, SM, FL, LF](#)

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 | 3 |
| | Number of Rows | 1 |
| | Backwall/Post Interruptions | Without |
| Electrical Characteristics | Operating Voltage (VAC) | 250 |
| Body Features | Header Type | Unshrouded |
| Contact Features | Contact Mating Area Plating Material | Tin |
| | Contact Mating Area Plating Thickness | 3.81 – 6.3 µm [150 – 250 µin] |
| | Underplate Material | Nickel |
| | Contact Termination Area Plating Thickness | 3.81 – 6.3 µm [150 – 250 µin] |
| | Underplate Material Thickness | 1.27 µm, 50 µin |
| | Contact Style | Straight |
| | Contact Shape | Square |
| | Tail Plating Material | Tin |
| | Contact Termination Area Plating Material | Tin |
| | Tail Plating Thickness | 3.81 – 6.3 µm [150 – 248.03 µin] |
| | Contact Type | Pin |
| | Contact Transmits (Typical) | Power |
| | Contact Current Rating (A) | 5 |
| | Contact Layout | Inline |
| | Contact Termination Area Plating Material Finish | Matte |
| Contact Base Material | Copper Alloy | |
| Termination Features | Termination Method to PC Board | Surface Mount |




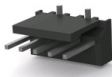
| | Termination Method to Wire/Cable | Solder |
|-----------------------|----------------------------------|--------------------------------------|
| Mechanical Attachment | PCB Mounting Style | Surface Mount |
| | PCB Mount Alignment | Without |
| | Mating Retention | With |
| | PCB Mount Retention | Without |
| | Contact Retention | Without |
| | Mating Retention Type | Friction Lock |
| | Panel Mount Retention | Without |
| | Mating Alignment | Without |
| Housing Features | Centerline | 2.54 mm [.1 in] |
| | Housing Color | Black |
| | Housing Style | Friction Lock |
| | Housing Material | Nylon 4/6 |
| Dimensions | Mating Post Length | 7.37 mm [.29 in] |
| | PCB Thickness (Recommended) | .25 mm [.01 in] |
| | Height | 8.81 mm [.34 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 | Box/Carton |
| | Packaging Quantity | 500 |

Product Compliance

[Statement of Compliance](#)
PDF

[VIEW ALL PRODUCT COMPLIANCE](#)

CUSTOMERS ALSO BOUGHT

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|---|--|--|---|
| <p>MULTIPLE CONFIGURATION PCB HEADERS & RECEPTACLES</p>  <p>08 MODII HDR DR SFMT B/A T&R LF 5-147279-7</p> <p>Save to List Find Similar Products</p> | <p>MULTIPLE CONFIGURATION PCB HEADERS & RECEPTACLES</p>  <p>20 MODII HDR DRRA B/A .100 6-146308-0</p> <p>Save to List Find Similar Products</p> | <p>MULTIPLE CONFIGURATION PCB HEADERS & RECEPTACLES</p>  <p>04 MODII HDR SRST B/A .100CL 5-146282-4</p> <p>Save to List Find Similar Products</p> | <p>WIRE-TO-BOARD HEADERS & RECEPTACLES</p>  <p>5P MTA100 HDR ASSY, SM, FL, LF 3-647166-5</p> <p>Save to List Find Similar Products</p> |
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Relation Type ▼

RELATIONSHIP

Mating Products

Used to identify Mating Parts

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| | | | | |
|---|----------------------------------|--|--|-------------------------------------|
|  | <p>PRODUCT - MATING PRODUCTS</p> | <p>Connectors - W-T-B Headers & Receptacles MTA MTA-100</p> <p>03P MTA100 CONN ASSY BLK LF - 3-644578-3</p> <p>TE INTERNAL NUMBER: 3-644578-3</p> <p>✓ Active</p> | <p>Always EU RoHS/ELV Compliant</p> <p>Centerline 2.54 mm</p> <p>Number of Positions 3</p> <p>Number of Rows 1</p> <p>Contact Mating Area Plating Material Tin</p> <p>Contact Mating Area Plating Material Finish Matte</p> | <input checked="" type="checkbox"/> |
|---|----------------------------------|--|--|-------------------------------------|

RELATIONSHIP

Mating Products

Used to identify Mating Parts

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| | | | | |
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|  | <p>PRODUCT - MATING PRODUCTS</p> | <p>Connectors - W-T-B Headers & Receptacles MTA MTA-100</p> <p>03P MTA100 CONN ASSY BLU LF - 3-641655-3</p> <p>TE INTERNAL NUMBER: 3-641655-3</p> <p>✓ Active</p> | <p>Always EU RoHS/ELV Compliant</p> <p>Centerline 2.54 mm</p> <p>Number of Positions 3</p> <p>Number of Rows 1</p> <p>Contact Mating Area Plating Material Tin</p> <p>Contact Mating Area Plating</p> | <input checked="" type="checkbox"/> |
|---|----------------------------------|--|---|-------------------------------------|

Contact Mating Area Plating
Material Finish **Matte**

RELATIONSHIP

Mating Products

Used to identify Mating Parts

[See All Mating Products](#)

PRODUCT - MATING PRODUCTS



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

03P MTA100 CONN
ASSY WHT - 640441-3

TE INTERNAL NUMBER: 640441-3

✓ Active

Not EU RoHS or ELV Compliant

Centerline **2.54 mm**

Number of Positions **3**

Number of Rows **1**

Contact Mating Area Plating

Material **Tin-Lead**

Contact Mating Area Plating

Material Finish **Bright**

