



CONNECTORS

HEADERS & RECEPTACLES



✓ Active

TE CONNECTIVITY (TE)

18P MTA100 HDR ASSY F/L OMIT#2

MTA | MTA-100

647306-2

TE Internal Number: 647306-2

EU RoHS Compliant

EU ELV Compliant

Connector System Wire-to-Board

Number of Positions 18

Centerline (Pitch) 2.54 mm [.1 in]

Termination Method to Wire/Cable Solder

PCB Mounting Orientation Vertical

[↓ PRODUCT DRAWING](#)
English

[↓ 3D PDF](#)

DOCUMENTATION

Product Drawings

ASSEMBLY, MTA-100 HEADER, FRICTION LOCK, NOTCHED, 0.635 [.025] SQUARE STRAIGHT POST, 18 POSITION W/OMITTED POST

PDF (TIFF AVAILABLE)

English

CAD Files

Customer View Model

3D_IGS.ZIP

English

Customer View Model

3D_STP.ZIP

English

Customer View Model

2D_DXF.ZIP

English

3D PDF

PDF

English

FEATURES



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

Connector System Wire-to-Board

PCB Mounting Orientation Vertical

Header Type Unshrouded

Sealable No

Connector & Contact Terminates To Printed Circuit Board

Product Type Connector

Connector Type Header

Connector Style Plug

Strain Relief Without

Configuration Features

Number of Loaded Positions 17

Number of Positions 18

Number of Rows 1

Post Numbers Omitted 2

Backwall/Post Interruptions Without

Electrical Characteristics

Operating Voltage (VAC) 250

Contact Features

Underplate Material Nickel
Contact Shape Square
Contact Mating Area Plating Material Tin
Contact Mating Area Plating Thickness 3.81 μm [150 μin]
Contact Current Rating (Max) (A) 5
Contact Style Straight
Underplate Material Thickness 1.27 μm , 50 μin
Contact Base Material Copper Alloy
Contact Layout Inline
Tail Plating Thickness 3.81 μm [150 μin]
Contact Termination Area Plating Material Tin
Contact Termination Area Plating Thickness 3.81 μm [150 μin]
Contact Transmits (Typical) Power
Tail Plating Material Tin
Contact Type Pin

Termination Features

Termination Method to PC Board Through Hole - Solder
Termination Method to Wire/Cable Solder

Mechanical Attachment

Panel Mount Retention Without
PCB Mounting Style Through Hole
PCB Mount Alignment Without
Mating Retention With
PCB Mount Retention Without
Mating Alignment Without
Mating Retention Type Friction Lock
Contact Retention Without

Housing Features

Centerline (Pitch) 2.54 mm [.1 in]
Housing Style Friction Lock
Housing Material Polyester - GF
Housing Color Natural

Dimensions

Height 7.81 mm [.3 in]
Tail Length 3.56 mm [.14 in]
PCB Thickness (Recommended) 1.6 mm [.063 in]
Length (mm) 45.72
Mating Post Length 7.49 mm [.295 in]

Usage Conditions

Operating Temperature Range -55 – 105 $^{\circ}\text{C}$ [-67 – 221 $^{\circ}\text{F}$]

Operation/Application

For Use With MTA .100 Connector Assembly

Industry Standards

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

Packaging Features

Packaging Method Package
Packaging Quantity 1

Other

Number of Blocked Positions 1

PRODUCT COMPLIANCE



Statement of Compliance

Statement of Compliance

PDF
