3-643815-9 ACTIVE

MTA 100

TE Internal #: 3-643815-9

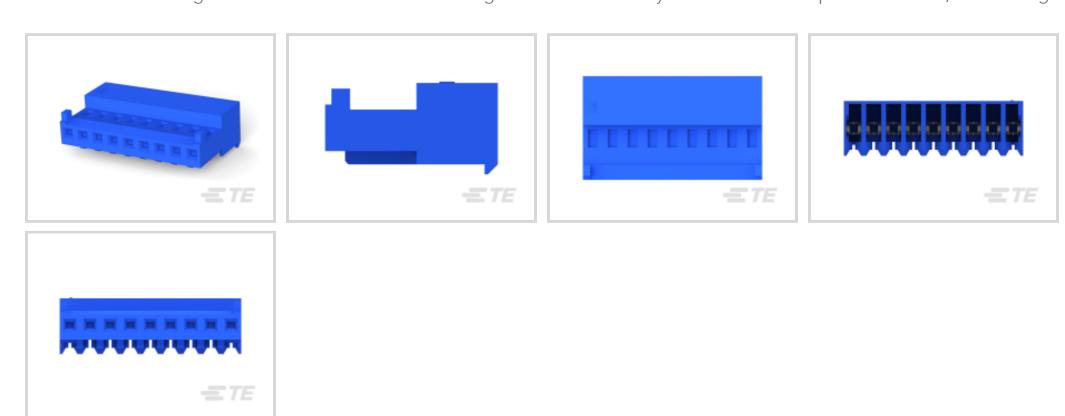
Standard Rectangular Connectors, Connector Assembly, Receptacle, Mating Alignment, Polarization Mating Alignment

Type, Mating Retention, MTA 100

View on TE.com >



Connectors > Rectangular Connectors > Standard Rectangular Connectors > Nylon Tin Plated Receptacle: 2.54 mm, with Mating Alignment, MTA 100



Connector Product Type: Connector Assembly

Connector & Housing Type: Receptacle

Mating Alignment: With

Mating Alignment Type: Polarization

Mating Retention: With

All Nylon Tin Plated Receptacle: 2.54 mm, with Mating Alignment, MTA 100 (127)

Features

Product Type Features

| Compatible With Discrete Wire Type | Stranded |
|------------------------------------|--------------------|
| Connector Product Type | Connector Assembly |
| Connector & Housing Type | Receptacle |
| Connector System | Wire-to-Board |
| Sealable | No |
| Connector & Contact Terminates To | Wire & Cable |
| Configuration Features | |
| Number of Cavities | 9 |
| Contacts Preloaded | Yes |
| Number of Positions | 9 |
| Number of Rows | 1 |



| Contact Type Receptacle Wire Contact Termination Area Plating Material Contact Termination Area Plating Material Contact Underplating Material Contact Mating Area Plating Material Contact Retention Within Housing Contact Retention Within Housing Contact Current Rating (Max) S A Termination Features Termination Features Termination Method to Wire & Cable Insulation Displacement (IDC) Mechanical Attachment Contact Retention Type Within Housing Locking Lance Mating Arignment Mating Arignment Type Polarization Mating Arignment Type Polarization Mating Retention Type Cornector Mounting Type Contect Mounting Type Contect Mounting Type Contection Mounting Type Contection Mounting Type Contection Mounting Type Contection (Citcle) Contection (| Operating Voltage | 250 VAC |
|--|--|-------------------------------|
| Contact Type Wire Contact Termination Area Plating Material Wire Contact Termination Area Plating Material Contact Underplating Material Contact Mating Aroa Plating Material Contact Mating Aroa Plating Material Contact Retention Within Housing With Contact Current Rating (Max) Formination Features Termination Method to Wire & Cable Insulation Displacement (IDC) Mechanical Attachment Contact Retention Type Within Housing Locking Lance Mating Alignment With Mating Alignment Type Polarization Mating Retention Mating Retention Mating Retention Type Locking Ramp Connector Mounting Type Connector Height Dimensions Connector Height 13.21 mm(.52 in) Product Length Product Length Wire Size 1215 mm² Product Length Product L | | 250 VAC |
| Wire Contact Termination Area Plating Material Contact Underplating Material Contact Mating Area Plating Material Contact Mating Area Plating Material Contact Retention Within Housing Contact Current Rating (Max) S A Fermination Features Termination Melhod to Wire & Cable Insulation Displacement (IDC) Mechanical Attachment Contact Retention Type Within Housing Mating Alignment Mating Alignment Type Polarization Mating Retention Mating Retention Mating Retention Mating Retention Type Connector Mounting Type Connector Housing Material Nylon Product Width Centerline (Mitch) Product Width Connector Height Product Width Connector Height Product Rod Product Rod Product Rod Product Rod Signal Circuit Application No Circuit Application Signal | Contact Features | |
| Contact Underplating Material Contact Mating Area Plating Material Contact Retention Within Housing Contact Retention Within Housing Contact Current Rating (Max) S A Fermination Features Termination Method to Wire & Cable Insulation Displacement (IDC) Mechanical Attachment Contact Retention Type Within Housing I Locking Lance Mating Alignment Mating Alignment Type Polarization Mating Alignment Type Polarization With Mating Retention Mating Retention Type Connector Mounting Type Connector Mounting Type Connector Mounting Type Ilousing Features Housing Material Nylon Housing Color Blue Centerline (Pitch) Dimensions Connector Height 13.21 mm[.52 in] Product Length Wire Size 1.2 – .15 mm² Jaage Conditions Operating Temperature Range Department Range Department Application No Circuit Application Signal | Contact Type | Receptacle |
| Contact Mating Area Plating Material Contact Retention Within Housing Contact Current Rating (Max) Contact Current Rating (Max) Contact Current Rating (Max) Contact Current Rating (Max) Contact Retention Within Housing Contact Retention Type Within Housing Mating Alignment Mating Alignment Type Mating Retention Mating Alignment Type Mating Retention Mating Retention Type Connector Mounting Type Connector Mounti | Wire Contact Termination Area Plating Material | Tin |
| Contact Retention Within Housing With Contact Current Rating (Max) 5 A Fermination Features Termination Method to Wire & Cable Insulation Displacement (IDC) Mechanical Attachment Contact Retention Type Within Housing Locking Lance Mating Alignment Type Within Housing Polarization Mating Alignment Type Polarization Mating Retention With Mating Retention Type Connector Mounting Type Cable Mount (Free Hanging) Mousing Features Housing Material Nylon Housing Color Blue Centerline (Pitch) 2.54 mm(.1 in) Dimensions Connector Height 13.21 mm(.52 in) Product Width 6.99 mm(.275 in) Product Length 2.86 mm(.9 in) Wire Size | Contact Underplating Material | Nickel |
| Contact Current Rating (Max) Fermination Features Termination Method to Wire & Cable Mechanical Attachment Contact Retention Type Within Housing Mating Alignment Mating Alignment Type Mating Alignment Type Mating Retention Mating Retention Mating Retention Type Connector Mounting Type Connector Mounting Type Connector Mounting Type Housing Material Housing Color Centerline (Pitch) Nylon Mating Product Width Product Undth Product Length Wire Size Operating Temperature Range Operating Temperature Range Operation Application Shielded No Girouit Application Insulation Displacement (IDC) Mith Insulation Displacement (IDC) Mith Insulation Displacement (IDC) With Insulation Displacement (IDC) Mith Mith Insulation Displacement (IDC) With In | Contact Mating Area Plating Material | Tin |
| Termination Features Termination Method to Wire & Cable Mechanical Attachment Contact Retention Type Within Housing Mating Alignment Mating Alignment Type Mating Alignment Type Mating Retention Mating Retention Mating Retention Mating Retention Type Locking Ramp Connector Mounting Type Cable Mount (Free-Hanging) Housing Material Housing Material Nylon Housing Color Blue Centerline (Pitch) Dimensions Connector Height 13.21 mm[.52 in] Product Width 6.99 mm[.275 in] Product Length Wire Size Jacks mm[.9 in] Wire Size Operating Temperature Range Department Application Shielded No Circuit Application Signal | Contact Retention Within Housing | With |
| Termination Method to Wire & Cable Mechanical Attachment Contact Retention Type Within Housing Mating Alignment Mating Alignment Type Mating Retention Mating Retention Mating Retention With Mating Retention Type Locking Ramp Connector Mounting Type Cable Mount (Free-Hanging) Mousing Features Housing Material Housing Color Blue Centerline (Pitch) Dimensions Connector Height 13.21 mm[.52 in] Product Width 6.99 mm[.275 in] Product Length Wire Size Jaze Conditions Operating Temperature Range Departmon/Application Shielded No Circuit Application Signal | Contact Current Rating (Max) | 5 A |
| Mechanical Attachment Contact Retention Type Within Housing Mating Alignment With Mating Alignment Type Polarization Mating Retention With Mating Retention Type Locking Ramp Connector Mounting Type Connector Mounting Type Mousing Features Housing Material Housing Color Blue Centerline (Pitch) Dimensions Connector Height 13.21 mm[.52 in] Product Width 6.99 mm[.275 in] Product Length Wire Size Jeach Conference Departing Temperature Range Departing Temperature Range Departing Application Signal | Termination Features | |
| Contact Retention Type Within Housing Mating Alignment With Mating Alignment Type Mating Retention With Mating Retention Mating Retention Type Connector Mounting Type Connector Mounting Type Consector Mounting Type Housing Features Housing Material Housing Color Blue Centerline (Pitch) Dimensions Connector Height Product Width Product Width Product Length Wire Size Departing Temperature Range Departing Temperature Range Departing Application Signal Mith Mith Mith Mith Mith Mith Mith Mit | Termination Method to Wire & Cable | Insulation Displacement (IDC) |
| Mating Alignment Type Polarization Mating Retention With Mating Retention Type Locking Ramp Connector Mounting Type Cable Mount (Free-Hanging) Housing Features Housing Material Nylon Housing Color Blue Centerline (Pitch) 2,54 mm].1 in] Dimensions Connector Height 13,21 mm[.52 in] Product Width 6,99 mm[.275 in] Product Length 22.86 mm[.9 in] Wire Size .12 – .15 mm² Joseph Conditions Operating Temperature Range .55 – 105 °C[67 – 221 °F] Operation/Application Shielded No Circuit Application Signal | Mechanical Attachment | |
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| Mating Retention Type Connector Mounting Type Containing Material Containing Material Containing Material Mylon Blue Conterline (Pitch) Connector Height Connector Height 13.21 mm[.52 in] Product Width 6.99 mm[.275 in] Product Length Wire Size Jaze Conditions Operating Temperature Range Operation/Application Shielded No Circuit Application Signal | Mating Alignment | With |
| Mating Retention Type Connector Mounting Type Connector Mounting Type Connector Mounting Type Consign Features Housing Material Housing Material Mylon Housing Color Blue Centerline (Pitch) Connector Height Connector Height Product Width Application Operating Temperature Range Conditions Circuit Application Locking Ramp Cable Mount (Free-Hanging) Nylon Nylon 18 | Mating Alignment Type | Polarization |
| Connector Mounting Type Housing Features Housing Material Housing Color Centerline (Pitch) Dimensions Connector Height Product Width Product Length Wire Size Jage Conditions Operating Temperature Range Operation/Application Shielded Cable Mount (Free-Hanging) Nylon Blue 2.54 mm[.1 in] 2.54 mm[.1 in] 2.59 mm[.275 in] 2.86 mm[.9 in] 2.86 mm[.9 in] Dimensions Operation Temperature Range Operation Signal | Mating Retention | With |
| Housing Material Housing Material Nylon Housing Color Blue Centerline (Pitch) 2.54 mm[.1 in] Connector Height 13.21 mm[.52 in] Product Width 6.99 mm[.275 in] Product Length 22.86 mm[.9 in] Wire Size Jasge Conditions Operating Temperature Range Department Product Application Shielded No Circuit Application Signal | Mating Retention Type | Locking Ramp |
| Housing Material Nylon Housing Color Blue Centerline (Pitch) 2.54 mm[.1 in] Connector Height 13.21 mm[.52 in] Product Width 6.99 mm[.275 in] Product Length 22.86 mm[.9 in] Wire Size | Connector Mounting Type | Cable Mount (Free-Hanging) |
| Housing Color Centerline (Pitch) Centerline (Pitch) Connector Height Connector Height Product Width 6.99 mm[.275 in] Product Length 22.86 mm[.9 in] Wire Size Jage Conditions Operating Temperature Range Operation/Application Shielded No Circuit Application Signal | Housing Features | |
| Centerline (Pitch) 2.54 mm[.1 in] Dimensions Connector Height Connector Height Product Width 6.99 mm[.275 in] Product Length 22.86 mm[.9 in] Wire Size Jasage Conditions Operating Temperature Range Coperation/Application Shielded No Circuit Application Signal | Housing Material | Nylon |
| Connector Height Connector Height Product Width 6.99 mm[.275 in] Product Length 22.86 mm[.9 in] Wire Size 1.1215 mm² Usage Conditions Operating Temperature Range -55 - 105 °C[-67 - 221 °F] Operation/Application Shielded No Circuit Application Signal | Housing Color | Blue |
| Connector Height Product Width 6.99 mm[.275 in] Product Length 22.86 mm[.9 in] Wire Size Jeage Conditions Operating Temperature Range Operation/Application Shielded No Circuit Application 13.21 mm[.52 in] 13.21 mm[.52 in] 13.21 mm[.52 in] 15.21 mm[.52 in] 15.22 in] | Centerline (Pitch) | 2.54 mm[.1 in] |
| Product Width Product Length 22.86 mm[.9 in] Wire Size Usage Conditions Operating Temperature Range Operation/Application Shielded No Circuit Application Signal | Dimensions | |
| Product Length Wire Size Jeage Conditions Operating Temperature Range Operation/Application Shielded No Circuit Application 22.86 mm[.9 in] 1.12 – .15 mm² 55 – 105 °C[-67 – 221 °F] No Signal | Connector Height | 13.21 mm[.52 in] |
| Wire Size Usage Conditions Operating Temperature Range Operation/Application Shielded No Circuit Application Signal | Product Width | 6.99 mm[.275 in] |
| Usage Conditions Operating Temperature Range -55 – 105 °C[-67 – 221 °F] Operation/Application Shielded No Circuit Application Signal | Product Length | 22.86 mm[.9 in] |
| Operating Temperature Range -55 – 105 °C[-67 – 221 °F] Operation/Application Shielded No Circuit Application Signal | Wire Size | $.1215 \text{ mm}^2$ |
| Operation/Application Shielded No Circuit Application Signal | Usage Conditions | |
| Shielded No Circuit Application Signal | Operating Temperature Range | -55 – 105 °C[-67 – 221 °F] |
| Circuit Application Signal | Operation/Application | |
| | Shielded | No |
| ndustry Standards | Circuit Application | Signal |
| | Industry Standards | |



| CSA Rating | LR 7189 |
|------------------------|------------|
| UL Rating | Recognized |
| Agency/Standard | CSA, UL |
| Approved Standards | UL E28476 |
| UL Flammability Rating | UL 94V-2 |
| | |

Packaging Features

| Packaging Quantity | 500 |
|--------------------|---------|
| Packaging Method | Bag/Box |

Product Compliance

For compliance documentation, visit the product page on TE.com>

| EU RoHS Directive 2011/65/EU | Compliant |
|---|---|
| EU ELV Directive 2000/53/EC | Compliant |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC |
| Halogen Content | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free |
| Solder Process Capability | Not applicable for solder process capability |

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: https://echa.europa.eu/guidance-documents/guidance-on-reach

Compatible Parts





TE Part # 640454-9
09P MTA100 HDR ASSY SQ STR POL



TE Part # 640455-9
09P MTA100 HDR ASSY SQ R/A POL



TE Part # CAT-104MTA-PVUNH
PCB Header: Polyester, Vertical,
Unshrouded, No Mating Alignment



TE Part # CAT-104MTA-PRUSH
PCB Header: Polyester, Right Angle,
Unshrouded



TE Part # CAT-104MTA-PVSHH
Polyester Vertical PCB Header: 2.54
mm, Shrouded, MTA 100



TE Part # 3-644456-9
09P MTA100 HDR ASSY (NARROW)



TE Part # CAT-104MTA-NYLCC Nylon PCB Connector Covers: 2.54 mm, MTA 100



TE Part # 58074-1 MTA 50/100/156 MANUAL TOOL FRAME



TE Part # 2-644488-9 09P MTA100 SHRD HDR F/L R/A SN



TE Part # 640550-9 09P MTA100 COVER



TE Part # 3-647166-9 09P MTA100 HDR ASSY,SM,FL,LF



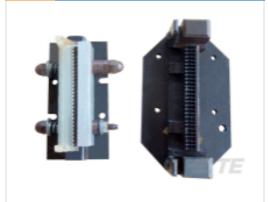
TE Part # 3-647295-9 09P MTA100 HI-TEMP HDR SN TL



TE Part # 58246-3 MTA 100 CRIMP HEAD PRODUCTION RBBN CABLE



TE Part # 58579-1 MTA 100 MANUAL TOOL ASSEMBLY DISCRETE



TE Part # 58039-1 MTA 100 ARBOR FIXTURE DISCRETE RBN CABLE



TE Part # 58246-2 MTA 100 CRIMP HEAD PRODUCTION DISCRETE

Also in the Series MTA 100



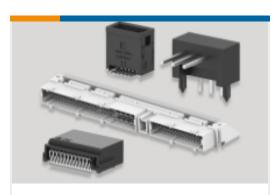
Insertion & Extraction Tools(2)



PCB Connector Covers(69)



PCB Connector Keying(1)



PCB Headers & Receptacles(440)

Standard Rectangular Connectors, Connector Assembly, Receptacle, Mating Alignment, Polarization Mating Alignment Type, Mating Retention, MTA 100

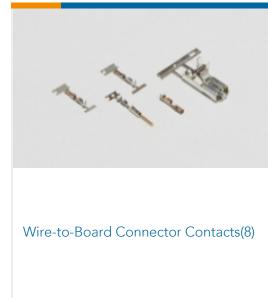




Standard Rectangular Connectors(495)



Wire-to-Board Connector Assemblies & Housings(1)



Customers Also Bought













Documents

Product Drawings

09P MTA100 CONN ASSY POL RIB

English

CAD Files

Customer View Model

ENG_CVM_CVM_3-643815-9_K.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-643815-9_K.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-643815-9_K.3d_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use

Standard Rectangular Connectors, Connector Assembly, Receptacle, Mating Alignment, Polarization Mating Alignment Type, Mating Retention, MTA 100



Product Specifications

Application Specification

English

Agency Approvals

Agency Approval Document

English