

2-1445098-2 ✓ ACTIVE

MATE-N-LOK | Micro MATE-N-LOK

TE Internal #: 2-1445098-2

Rectangular Power Connectors, Header, Plug, Wire-to-Board, 2 Position, 3 mm [.118 in] Centerline, Printed Circuit Board, UL 94V-0, Micro MATE-N-LOK

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Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Plug**

Connector System: **Wire-to-Board**

Number of Positions: **2**

Centerline (Pitch): **3 mm [.118 in]**

Features

Product Type Features

Header Type	Fully Shrouded
Rectangular Power Connector Type	Header
Connector & Housing Type	Plug
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	2
PCB Mount Orientation	Right Angle
Number of Power Positions	2
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VDC
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Contact Features

Multiple Contact Types	Without
PCB Contact Termination Area Plating Material Thickness	2.54 μm [100 μin]
Contact Layout	Inline
Contact Mating Area Plating Material	Gold
Contact Current Rating (Max)	5 A
Contact Retention Within Housing	Without
Contact Type	Pin
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	.76 μm [30 μin]

Termination Features

Termination Post & Tail Length	3.05 mm[.12 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

Mating Alignment Type	Polarization
Mating Retention	With
Mating Alignment	With
PCB Mount Alignment	Without
Panel Mount Feature	Without
PCB Mount Retention	With
PCB Mount Retention Type	Boardlock
Mating Retention Type	Locking Tab
Connector Mounting Type	Board Mount

Housing Features

PCB Mount Retention Material	High Temperature Nylon
Centerline (Pitch)	3 mm[.118 in]
Housing Color	Black
Housing Material	High Temperature Nylon

Dimensions

Compatible Insulation Diameter (Max)	1.52 mm[1.52 in]
PCB Thickness (Recommended)	.06 mm[1.57 in]

Usage Conditions

Operating Temperature Range	-40 - 105 °C[-40 - 221 °F]
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Operation/Application

Circuit Application

Power

Industry Standards

CSA Rating

Certified, LR 7189

Glow Wire Material Rating

Material with GWFI 850°C, Material with GWIT \geq 775°C

UL Rating

Recognized

Compatible With Agency/Standards Products

CNR, USR

Compatible With Approved Standards Products

UL E28476

UL Flammability Rating

UL 94V-0

Glow Wire Rating

GWT 750°C (Without Flame)

Packaging Features

Packaging Quantity

350

Packaging Method

Box & Tray, Tray

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: JAN 2024 (240)

Candidate List Declared Against: JAN 2024 (240)

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

Reflow solder capable to 260°C

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 # 1445022-2
MICRO MNL RECEPT HSG SINGLE R



TE Part # 2008571-2
2 POS MICRO MNL, TOP LATCH, BL



TE Part # 2029047-2
2P MICRO MNL RCPT HSG SR SIDE



TE Part # 2029102-2
2P MICRO MNL RCPT SR SIDE WHT



TE Part # 2008570-2
2 POS MICRO MNL, SIDE LATCH, B



TE Part # 1-2008571-2
2 POS MICRO MNL, SIDE LATCH, N



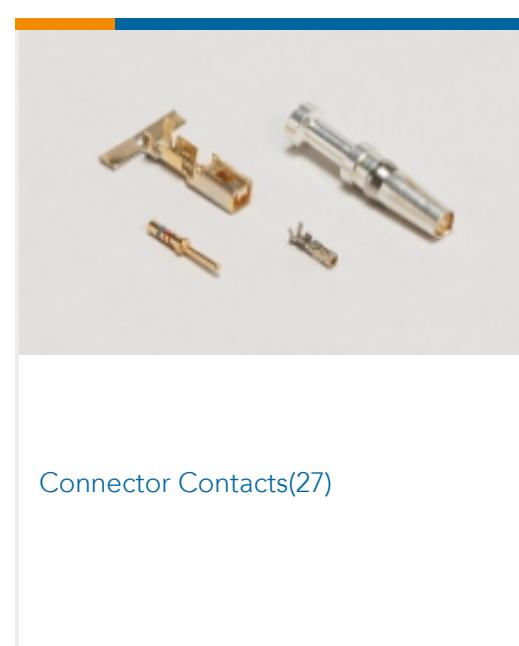
TE Part # 1-2008571-2
2 POS MICRO MNL, TOP LATCH, NA



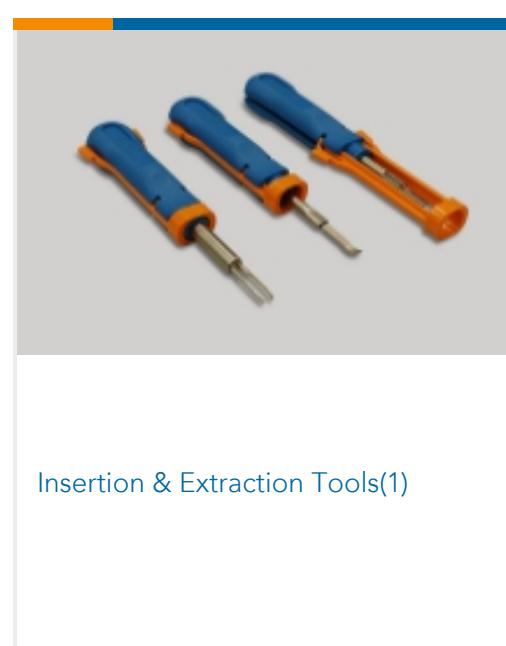
TE Part # 2315752-2
2P, MICRO MNL RCPT HSG SINGLE ROW, V0 GW

Also in the Series

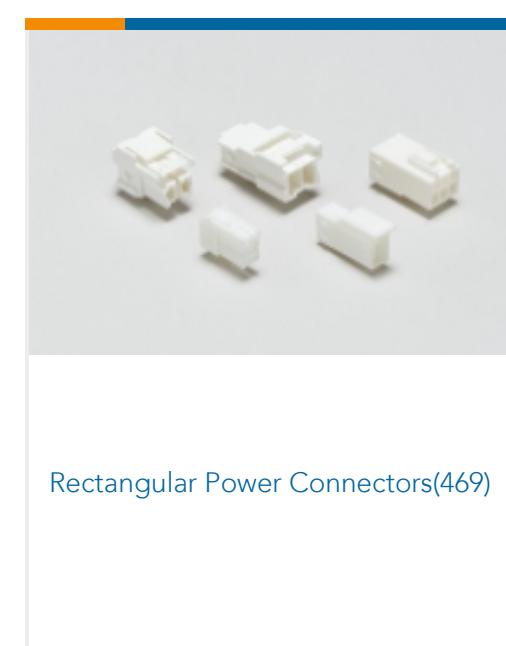
Micro MATE-N-LOK



Connector Contacts(27)



Insertion & Extraction Tools(1)



Rectangular Power Connectors(469)

Customers Also Bought



TE Part # 2-292173-5
CT BOX HDR H SMT 5P O/TAPE BLA



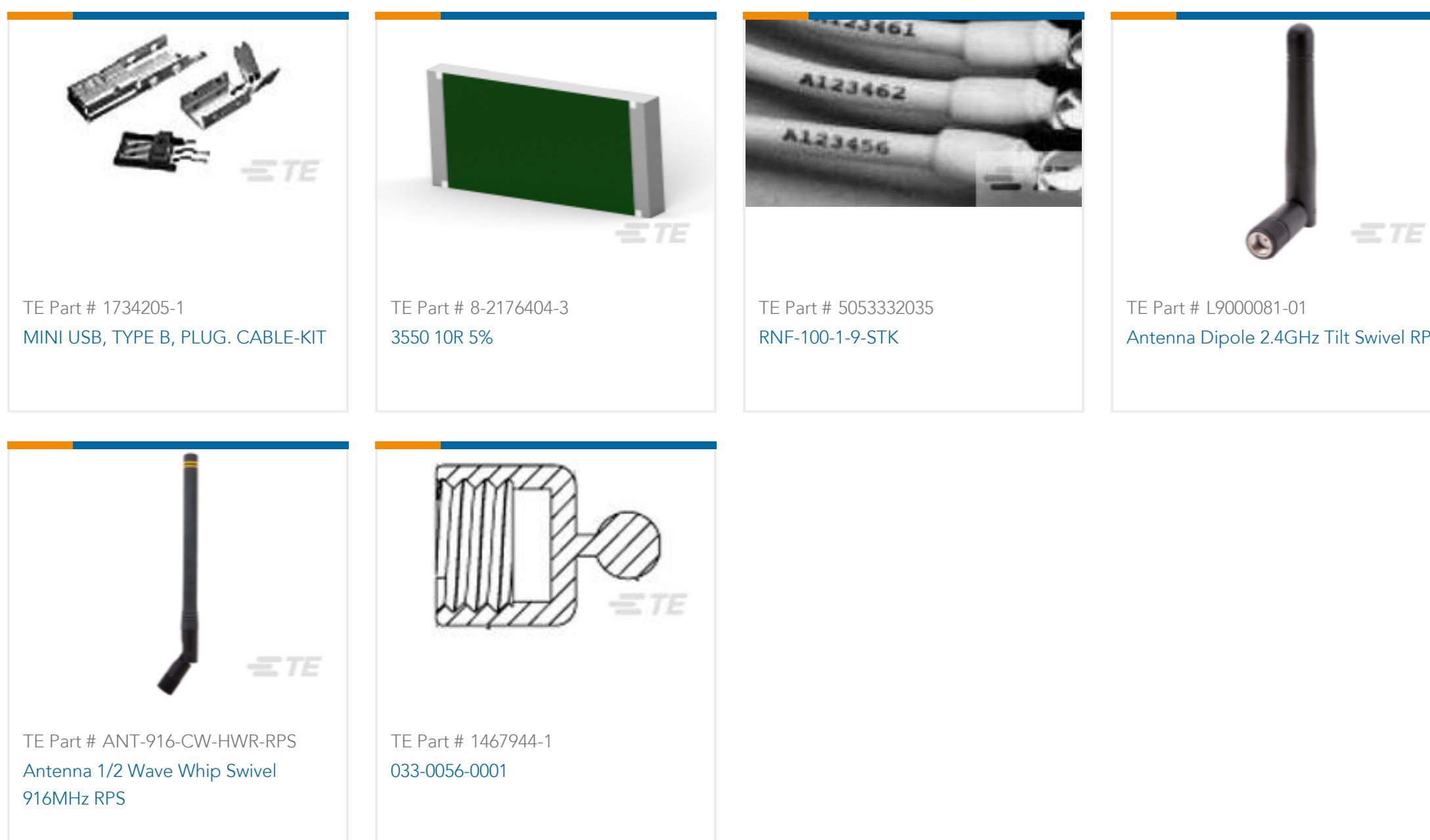
TE Part # 1445022-2
MICRO MNL RECEPT HSG SINGLE R



TE Part # 2-1445050-5
MICRO MNL HDR ASSY S/ROW LF



TE Part # 1466288-1
031-0050-0001



Documents

CAD Files

Customer View Model

[ENG_CVM_CVM_2-1445098-2_B.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2-1445098-2_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-1445098-2_B.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG

English

MICRO MATE-N-LOK CONNECTOR SYSTEM

English

Product Specifications

Application Specification

English