

1903527-1 ✓ ACTIVE



Industrial RJ45 IP20

TE Internal #: 1903527-1

Circular RJ45 Connector, Single Port, Standard Connector Contact Density, Plug, Shielded, Cat 5e, 8 Position, Wire & Cable, Industrial RJ45 IP20

[View on TE.com >](#)

Connectors > Modular Jacks & Plugs > RJ45 Connectors



Modular Jack & Plug Interface Type: **Circular RJ45**

Port Configuration: **Single Port**

Modular Jacks & Plugs Products: **RJ Type Jacks & Plugs**

Connector Contact Density: **Standard**

Modular Connector Style: **Plug**

Features

Product Type Features

Modular Jack & Plug Interface Type	Circular RJ45
Modular Jacks & Plugs Products	RJ Type Jacks & Plugs
Modular Connector Style	Plug
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Port Configuration	Single Port
Connector Contact Density	Standard
Number of Positions	8
Number of Loaded Positions	8

Body Features

Shield Plating Material	Nickel
Shield Material	Copper Alloy

Contact Features

Contact Current Rating (Max)	.5 A
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Contact Mating Area Plating Material	Gold
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material Thickness	1.27 μm [50 μin]

Mechanical Attachment

Connector Mounting Type	Panel Mount
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Housing Features

Housing Material	Nylon, Polycarbonate
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Usage Conditions

Operating Temperature Range	-40 – 70 $^{\circ}\text{C}$ [-40 – 158 $^{\circ}\text{F}$]
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Operation/Application

Indicator Type	Not Illuminated
Shielded	Yes
Circuit Application	Signal

Industry Standards

IP Rating	IP20
Performance Category	Cat 5e

Packaging Features

Packaging Quantity	1
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: JUNE 2024 (241) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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 # 2-2205131-1
CA MINI IO MINI IO TYPE I



TE Part # 2-2205133-3
CA MINI IO TYPE I IND RJ45



TE Part # 2-2205131-2
CA MINI IO MINI IO TYPE I



TE Part # 2-2205131-3
CA MINI IO MINI IO TYPE I



TE Part # 2-2205133-2
CA MINI IO TYPE I IND RJ45



TE Part # 1987306-1
ASSY, FRAME, RJ45 CONNECTOR IP



TE Part # 2-2205130-6
CA MINI IO TYPE II PIGTAIL



TE Part # 2-2205133-4
CA MINI IO TYPE I IND RJ45



TE Part # 2301994-4
RJ45 JACK INT.MAG. 10/100 1X1



TE Part # 2-2205130-4
CA MINI IO TYPE II PIGTAIL



TE Part # 2-2205130-5
CA MINI IO TYPE II PIGTAIL



TE Part # 2-2205131-4
CA MINI IO MINI IO TYPE I



TE Part # 2-2205133-1
CA MINI IO TYPE I IND RJ45



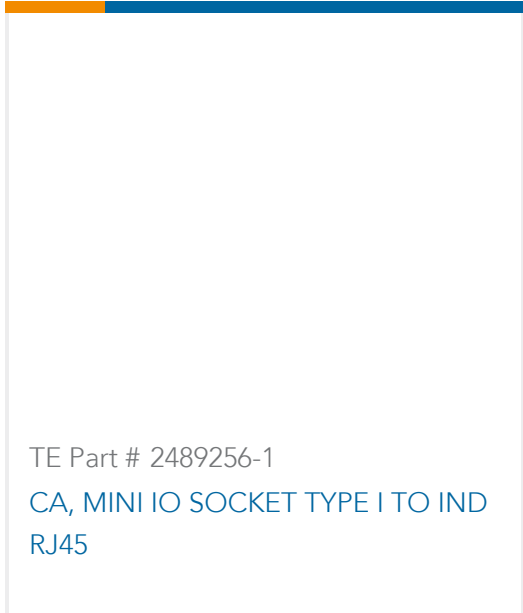
TE Part # 2-2205133-5
CA MINI IO TYPE I IND RJ45



TE Part # 2-2205133-6
CA MINI IO TYPE I IND RJ45



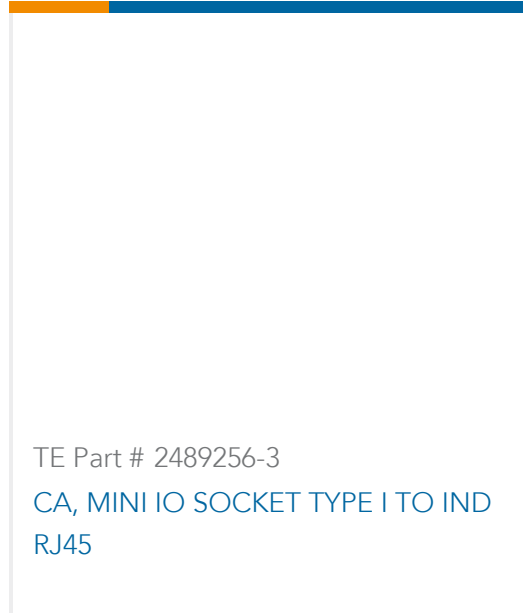
TE Part # 2229737-2
MINI I/O PIERCING TYPE HAND TOOL



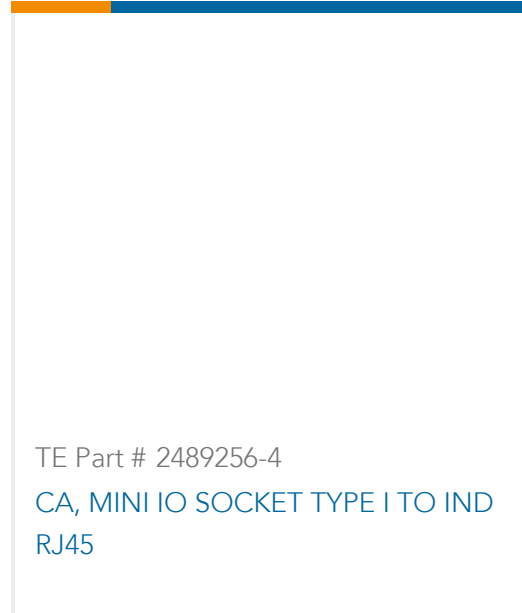
TE Part # 2489256-1
CA, MINI IO SOCKET TYPE I TO IND RJ45



TE Part # 2489256-2
CA, MINI IO SOCKET TYPE I TO IND RJ45



TE Part # 2489256-3
CA, MINI IO SOCKET TYPE I TO IND RJ45



TE Part # 2489256-4
CA, MINI IO SOCKET TYPE I TO IND RJ45

Also in the Series | **Industrial RJ45 IP20**



Connector Hardware(1)

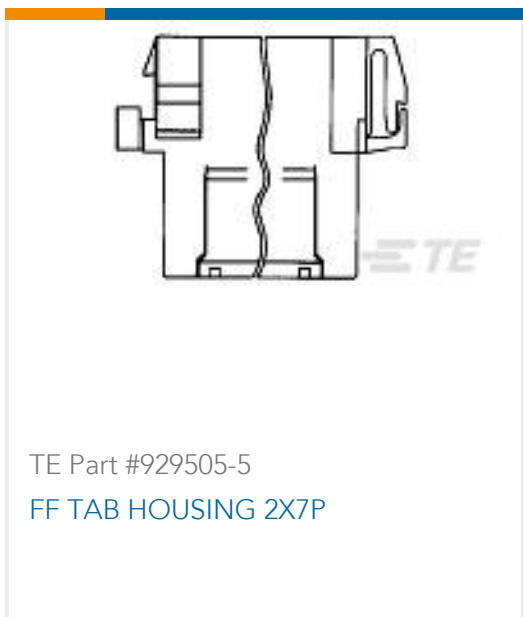


PCB D-Sub Connectors(1)



RJ45 Connectors(8)

Customers Also Bought



TE Part #929505-5
FF TAB HOUSING 2X7P



TE Part #1487587-1
USB, A-B, 28/26, WHITE, 1.0M



TE Part #1483351-2
MICRO-MATCH LEAD 06P 150MM



TE Part #5353928-2
Std USB Type A, R/A, SMT, Offset, Panel



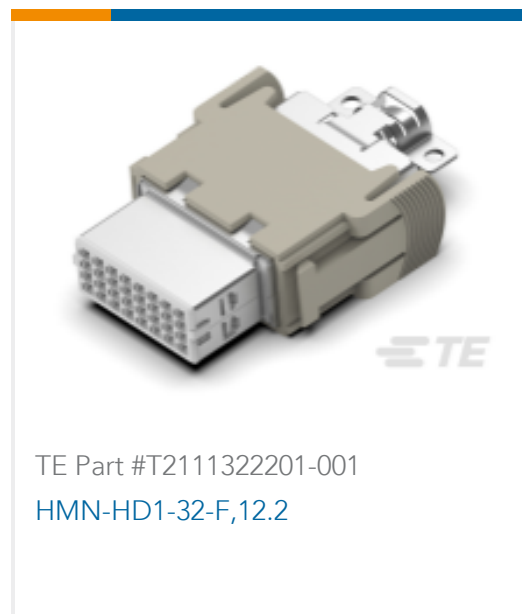
TE Part #2132189-6
6P SL156 HSG W/LCK RMP, TABS & RTNR



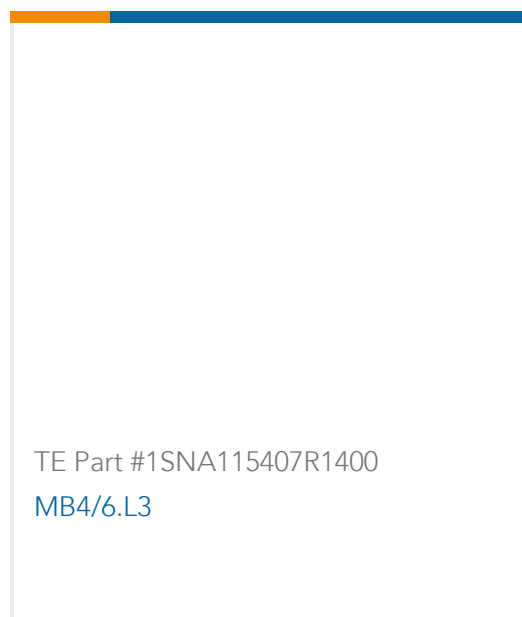
TE Part #3-643828-2
02P MTA100 CONN ASSY LF



TE Part #2312734-2
HMN-HD3-10-F



TE Part #T2111322201-001
HMN-HD1-32-F,12.2



Documents

Product Drawings

[IE RJ45 CONNECTOR IP20 8POS 180DEG](#)

English

CAD Files

[3D PDF](#)

3D

[Customer View Model](#)

[ENG_CVM_CVM_1903527-1_C_c-1903527-1-c.2d_dxf.zip](#)

English

[Customer View Model](#)

[ENG_CVM_CVM_1903527-1_C_c-1903527-1-c.3d_igs.zip](#)

English

[Customer View Model](#)

[ENG_CVM_CVM_1903527-1_C_c-1903527-1-c.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[INDUSTRIAL_ETHERNET_PRODUCTS](#)

English

Product Specifications

[Application Specification](#)

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Agency Approvals

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