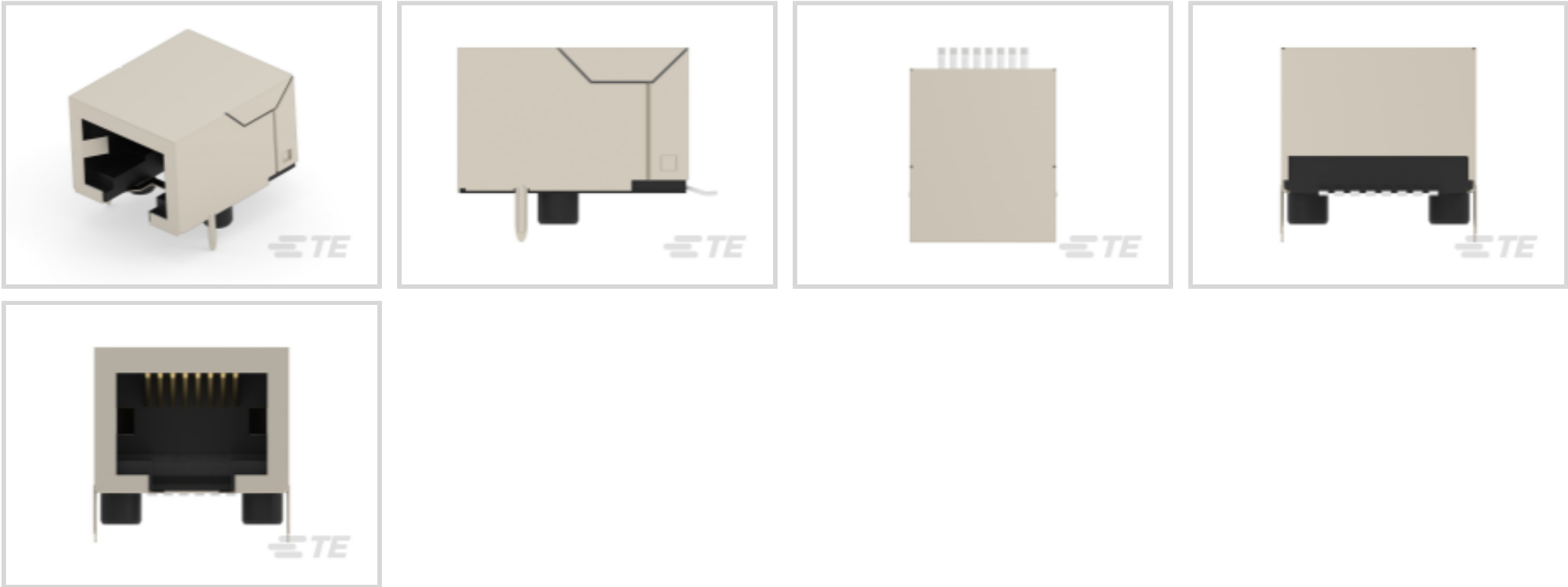


TE Internal #: 203490-E
RJ45 Connector, Single Port, 1 x 1, Jack, Shielded, Standard - Latch
Down, 8 Position, Low Profile, Surface Mount, Right Angle, Side
Entry, PCB Ground

[View on TE.com >](#)



Connectors > Modular Jacks & Plugs > RJ45 Connectors



Modular Jack & Plug Interface Type: **RJ45**
Port Configuration: **Single Port**
Port Matrix Configuration: **1 x 1**
Modular Jacks & Plugs Products: **RJ Type Jacks & Plugs**
Connector Contact Density: **Standard**

Features

Product Type Features

Connector Product Type	Connector Assembly
Modular Jack & Plug Interface Type	RJ45
Modular Jacks & Plugs Products	RJ Type Jacks & Plugs
Modular Connector Style	Jack
Grounding Options	PCB Ground
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Port Configuration	Single Port
Port Matrix Configuration	1 x 1
Connector Contact Density	Standard
Number of Positions	8
Number of Loaded Positions	8
PCB Mount Orientation	Right Angle

Body Features



Shield Plating Material	Nickel
Shield Material	Copper Alloy
Modular Jack Latch Orientation	Standard - Latch Down
Connector Profile	Low

Contact Features

Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material Finish	Matte
PCB Contact Termination Area Plating Material	Tin
Contact Current Rating (Max)	1.5 A
Contact Mating Area Plating Material	Gold (Au)
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]

Termination Features

Termination Method to PCB	Surface Mount
Termination Post & Tail Length	2.5 mm[.098 in]

Mechanical Attachment

PCB Mount Retention Type	Location Peg
Connector Mounting Type	Board Mount, Panel Mount

Housing Features

Mating Entry Location	Side
Centerline (Pitch)	1.27 mm[.05 in]
Housing Material	PA 46

Dimensions

Connector Height	11.75 mm[.463 in]
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Usage Conditions

Operating Temperature Range	0 – 70 °C[32 – 158 °F]
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Operation/Application

Indicator Type	No Indicator
Shielded	Yes
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Method	Tape & Reel
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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 2025 (247) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed 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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



TE Part # 1987328-1
RJ45 COMMON CORE, 4x2 POS.



TE Part # 2120892-1
RJ45 CONNECTOR CAT6A, IP20 PLUG



TE Part # 203422-E
MJ LSS ** 8 8 *** STP GURT 30 * J 3 2



TE Part # 203495-E
MJ LSS ** 8 8 ***** 999999 30 * J 3 2



TE Part # 1554260-1
[DUST CAP](#)

TE Part # 2383216-1
[RJ45 FIELD INSTALLABLE CABLE CONN.](#)

Customers Also Bought

TE Part #4-1393243-2
[RT423024](#)

TE Part #284698-E
[SRCP 1,27 6 M 1 SMD 137 E1 094 * GU-H *](#)

TE Part #8-188275-0
[MICRO-MATCH SMD FTE](#)

TE Part #294283-E
[DRCB 0,80 16 M SMD * 137 E009 196 GURT *](#)

TE Part #284697-E
[SRCP 1,27 4 M 1 SMD 137 E1 094 * GU-H *](#)

TE Part #8-1768017-8
[EET-0818P-9](#)

TE Part #1860991-1
[RT78602, RELAY SOCKET PCB 5MM](#)

TE Part #6-1768033-3
[LEB-0920P-9](#)

Documents

Product Drawings

[MJ LSS ** 8 8 * * * * 999999 30 * J 3 2](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_203490-E_1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_203490-E_1.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_CVM_203490-E_1.2d_dxf.zip](#)

English

3D PDF

3D

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.



Datasheets & Catalog Pages

ERNI Modular Jacks

English

ERNI Modular Jacks

German

Product Specifications

Application Specification

English