

**Industrial RJ45 Variant 14**

TE Internal #: 2120871-1

Industrial RJ45 Variant 14, RJ45 Connectors, RJ45, Single Port, Port Matrix Configuration 1 x 1, RJ Type Jacks &amp; Plugs

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Connectors &gt; Modular Jacks &amp; Plugs &gt; 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**

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

**Configuration Features**

Wiring Pattern	Universal
Port Configuration	Single Port
Port Matrix Configuration	1 x 1
Connector Contact Density	Standard
Status Indicator Type	None
Number of Positions	8
Number of Loaded Positions	8
PCB Mount Orientation	Right Angle

**Body Features**

Insulator Material	LCP
Shield Plating Finish	Matte



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

#### Contact Features

Contact Current Rating (Max)	.5 A
Contact Mating Area Plating Material	Gold over Nickel
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material Thickness	3 – 5 $\mu\text{m}$ [3 – 5 $\mu\text{in}$ ]

#### Mechanical Attachment

Connector Mounting Type	Panel Mount
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#### Housing Features

Mating Entry Location	Side
Centerline (Pitch)	1.02 mm[.04 in]
Housing Color	Black
Housing Material	Thermoplastic

#### Dimensions

Wire Size	22 – 26 AWG
Connector Height	52 mm[.709 in]

#### Usage Conditions

Housing Material Temperature	Standard
Operating Temperature Range	-40 – 70 $^{\circ}\text{C}$ [-40 – 158 $^{\circ}\text{F}$ ]

#### Operation/Application

Shielded	Yes
Circuit Application	Signal

#### Industry Standards

UL Flammability Rating	UL 94V-0
Performance Category	Cat 5e

#### Packaging Features

Packaging Quantity	1
Packaging Method	Blister



## 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: JUN 2020 (209) Candidate List Declared Against: JUN 2016 (169) Does not contain REACH SVHC
Halogen Content	Not Yet Reviewed for halogen content
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 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 Model / Part # 1-2120864-1  
VARIANT 14; METAL PLUG, RJ45, CAT6A, 8POS.



TE Model / Part # 2120864-1  
VARIANT 14; METAL PLUG, RJ45, CAT5E, 8POS.

## Also in the Series | [Industrial RJ45 Variant 14](#)



Circular Ethernet Hardware(5)



Circular RJ45 Connectors(2)

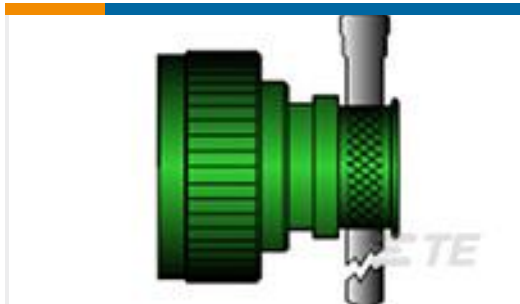


LC Connectors(5)



RJ45 Connectors(13)

## Customers Also Bought



TE Model / Part #CW4363-000  
R85049/88-17N02



TE Model / Part #5-2120871-1  
VARIANT 14; METAL JACK, RJ45,  
CAT5E, 180 DEG



TE Model / Part #2-2120871-1  
VARIANT 14; METAL JACK, FO, LC,  
SINGLE MODE



TE Model / Part #1532172-3  
M83513/04-B03N, MCKS-N1-B-  
15S6G9-18.0



TE Model / Part #1532174-4  
M83513/04-D04N, MCKS-N1-B-  
25S6G9-36.0



TE Model / Part #1766600-1  
INSULATION BOOT, #2, BLACK



TE Model / Part #3-2120875-1  
VARIANT 14 COUPLER; PLUG & JACK,  
FO, MM



TE Model / Part #YDTS20F15-  
18SN0000  
SQUARE FLANGE RECEPTACLE



TE Model / Part #YDTS20N23-  
35PNV001  
HERM RECP



TE Model / Part #YDTS26F25-  
04PAC001  
PLUG ASSY

## Documents

### Product Drawings

VARIANT 14; JACK METAL, RJ45, PASS THROUGH

English

### CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2120871-1\_B.2d\_dxf.zip



English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_2120871-1\\_B.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_2120871-1\\_B.3d\\_stp.zip](#)

English

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

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### Datasheets & Catalog Pages

[1-1773733-5\\_RJ45\\_VARIANT14\\_FLYER](#)

English

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### Product Specifications

[Product Specification](#)

German

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### Instruction Sheets

[Instruction Sheet \(non U.S.\)](#)

German