

RJ45 JACK INT.MAG. 10/100 1X2

✓ ACTIVE

Industrial RJ45 IP20, Industrial RJ45 Mag Jack

TE Part # 2301996-2

TE Internal #: 2301996-2

[View on TE.com >](#)



Connectors > Modular Jacks & Plugs > RJ45 Connectors



Modular Jack & Plug Interface Type: **RJ45 with Integrated Magnetics**

Port Configuration: **Multiple Ports**

Port Matrix Configuration: **1 x 2**

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

Connector Contact Density: **Standard**

Features

Product Type Features

Connectors & Connector Components Type	Connector
Modular Jack & Plug Interface Type	RJ45 with Integrated Magnetics
Modular Jacks & Plugs Products	RJ Type Jacks & Plugs
Modular Connector Style	Jack
Grounding Options	PCB and Panel Ground
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Panel Ground Location	Top and Side
Number of PCB Ground Tabs	2
Number of Panel Ground Tabs	7
Keyed	No
Port Configuration	Multiple Ports
Port Matrix Configuration	1 x 2
Connector Contact Density	Standard



Multiple Port Configuration	Ganged
Status Indicator	None
Number of Positions	8
Number of Loaded Positions	8
PCB Mount Orientation	Right Angle

Signal Characteristics

Data Rate	10 Mb/s, 100 Mb/s
-----------	-------------------

Body Features

Insulator Material	LCP
Shield Plating Finish	Matte
PCB Ground Tab Location	3.05 mm[.12 in]
Shield Plating Material	Nickel
Shield Material	Brass
Modular Jack Latch Orientation	Standard - Latch Down
Connector Profile	Standard
LED Color (Bottom Left)	None
LED Color (Bottom Right)	None
LED Color (Top Left)	None
LED Color (Top Right)	None

Contact Features

PCB Termination Area Plating Finish	Matte
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold over Nickel
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
---	-----------------------

Mechanical Attachment

Boardlock Material	LCP
PCB Mount Retention Type	Boardlock

Housing Features

--	--



Mating Entry Location	Side
Housing Color	Black
Housing Material	LCP (Liquid Crystal Polymer)

Dimensions

Connector Height	13.5 mm[.531 in]
------------------	------------------

Usage Conditions

Housing Material Temperature	260
Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]

Operation/Application

Shielded	Yes
----------	-----

Industry Standards

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

Packaging Features

Packaging Reel Diameter	33 cm
Packaging Quantity	80
Packaging Method	Reel

Other

Shield Panel Ground Type	Shield has bottom panel grounds.
--------------------------	----------------------------------

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 2019 (197) Candidate List Declared Against: JAN 2019 (197)
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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 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.

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



Circular RJ45 Connectors(5)



Modular Jack Filters(1)



PCB D-Sub Connectors(1)



RJ45 Connectors(89)

Also in the Series | **Industrial RJ45 Mag Jack**



RJ45 Connectors(86)

Customers Also Bought



TE Part #1-1470364-1
1.0MM W T B RECPT,
11POSHOUSING



TE Part #2298107-2
DYNAMIC D-3 FMLB REC
CONT AU0.38 M SIZE



TE Part #T1230160125-000
H16B-TSH-M25



TE Part #1103426-1
MALE INSERT, CRIMP, 4-
POS. 22DF CONTACTS



TE Part #1103436-1
HC26.Base Housing-metal



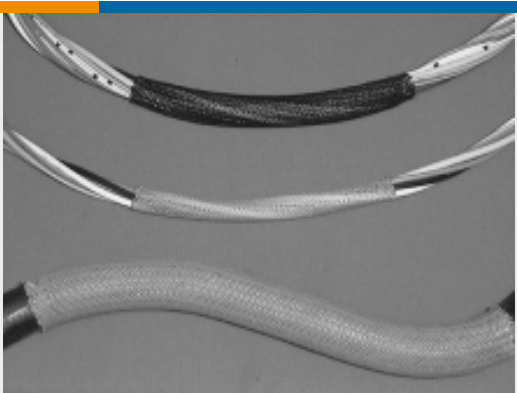
TE Part #184113-1
TERM,COPALUM R 4/0A 3 /OC 1/2



TE Part #2120432-3
CRIMP SLEEVE



TE Part #440133-7
2.5MM,HSG,7POS



TE Part #CH01974001
VERSAFLEX-40-0-SP

Documents

Product Drawings

RJ45 JACK INT.MAG. 10/100 1X2

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2301996-2_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2301996-2_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2301996-2_A.3d_stp.zip

English

Datasheets & Catalog Pages

1-1773921-5_RJ45_Integrated_Magnetics_0617

English

Product Specifications

Application Specification

English