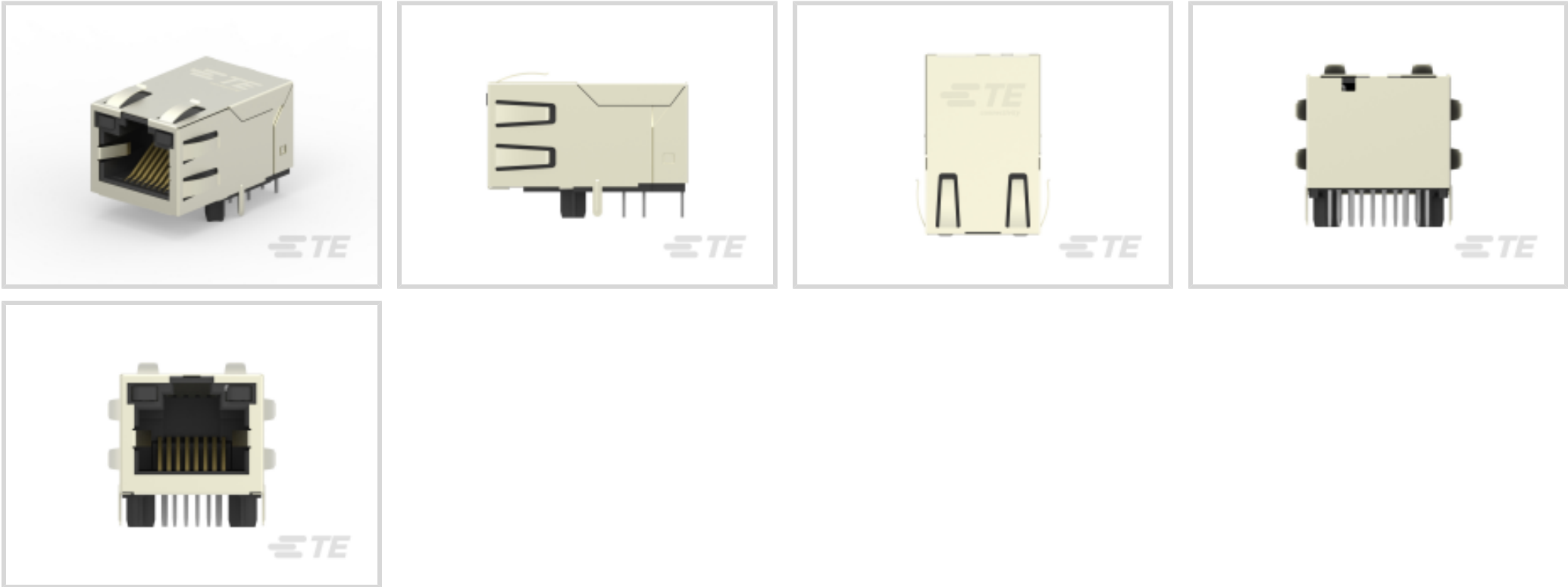# 2301994-2 ✓ ACTIVE

Industrial RJ45 Mag Jack
TE Internal #: 2301994-2

RJ45 with Integrated Magnetics Connector, Single Port, 1 x 1, Standard Connector Contact Density, Jack, Shielded, Cat 5, Industrial RJ45 Mag Jack

View on TE.com >

Connectors > Modular Jacks & Plugs > RJ45 Connectors

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

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

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
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Panel Ground Location	Top and Side
Number of Panel Ground Tabs	6
Number of PCB Ground Tabs	2
Port Configuration	Single Port
Port Matrix Configuration	1 x 1
Connector Contact Density	Standard
Number of Positions	8
Number of Loaded Positions	8

2301994-2

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PCB Mount Orientation	Right Angle

Signal Characteristics

Data Rate	10 Mb/s, 100 Mb/s

Body Features

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

Contact Features

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

Termination Features

Termination Method to PCB	Through Hole - Solder
Termination Post & Tail Length	1.9 mm[.035 in]

Mechanical Attachment

PCB Mount Retention Type	Boardlock
Connector Mounting Type	Board Mount, Panel Mount

Housing Features

Mating Entry Location	Side
Centerline (Pitch)	2.54 mm[.05 in]

2301994-2

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Housing Color	Black
Housing Material	LCP (Liquid Crystal Polymer)

Dimensions

Connector Height	13.83 mm[.544 in]

Usage Conditions

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

Operation/Application

Indicator Type	LED
Shielded	Yes
Circuit Application	Signal

Industry Standards

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

Packaging Features

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: JUNE 2024 (241) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
Solder Process Capability	Reflow solder capable to 260°C

Product Compliance Disclaimer

2301994-2

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Compatible Parts

TE Part # 1987236-1
RJ45 CONNECTOR IP20 45 DEG., INDUSTRIAL

Also in the Series | Industrial RJ45 Mag Jack

RJ45 Connectors(102)

Customers Also Bought

TE Part #1624112-8
3650 0603 68nH 5% 2K RL

TE Part #3-1879023-6
3650 1008 1.0uH 5% 2K RL

TE Part #1614349-2
RN 0603 100R 0.1% 10PPM CUT LE

TE Part #1676212-3
RN 0805 18K2 0.1% 10PPM 5KRL

2301994-2

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Contact Density, Jack, Shielded, Cat 5, Industrial RJ45 Mag Jack

TE Part #5-1879262-5
RP 2B 20K 0.1% 15PPM CUT LENGTH

TE Part #1-2176369-0
RQ 0603 49R9 0.1% 10PPM 5K RL

TE Part #2-1879336-3
CPF 0603 392R 1% 50PPM 1K RL

Documents

Product Drawings

RJ45 JACK INT.MAG. 10/100 LED 1X1 INV.

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2301994-2_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2301994-2_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2301994-2_B.3d_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

Datasheets & Catalog Pages

1-1773921-5_RJ45_Integrated_Magnetics_0617

English

Product Specifications

Application Specification

English