

2301996-7 ✓ ACTIVE

Industrial RJ45 Mag Jack

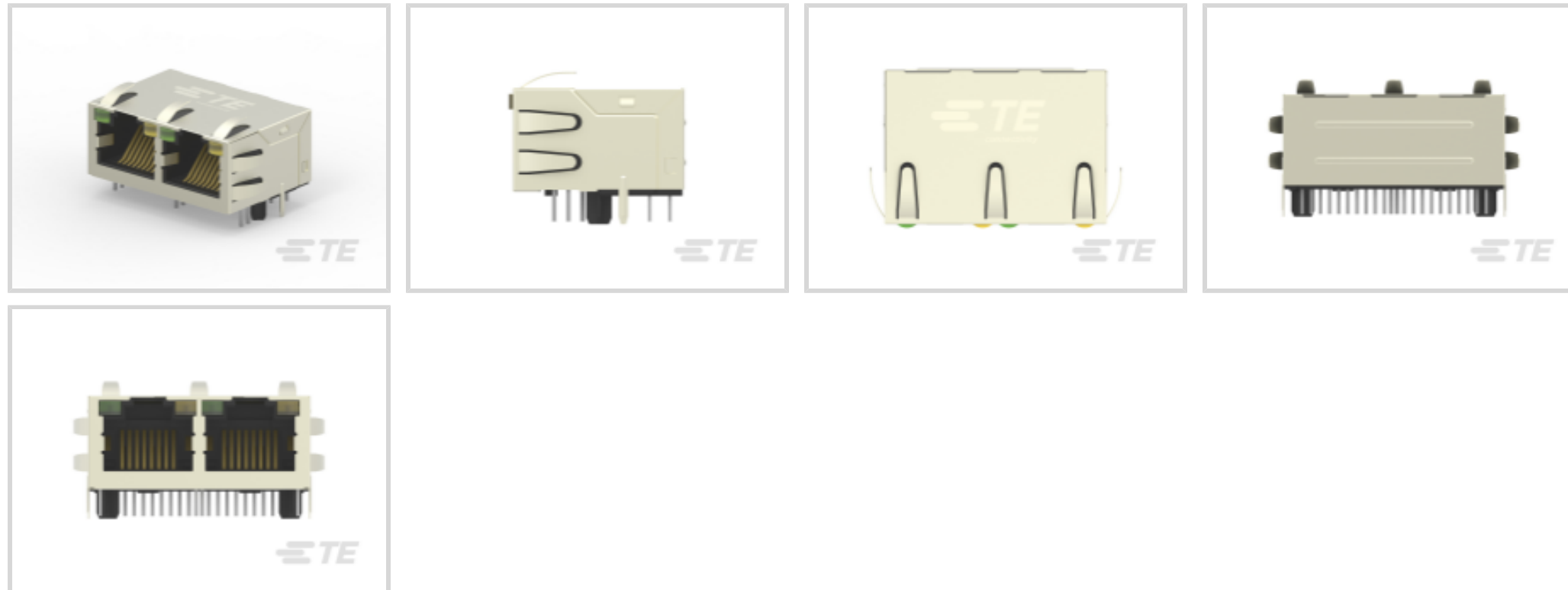
TE Internal #: 2301996-7

RJ45 with Integrated Magnetics Connector, Multiple Ports, 1 x 2, Jack, Shielded, Cat 5e, Inverted - Latch Up, 8 Position, 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: **Multiple Ports**

Port Matrix Configuration: **1 x 2**

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

Number of PCB Ground Tabs	2
Panel Ground Location	Top and Side
Number of Panel Ground Tabs	7
Multiple Port Configuration	Ganged
Port Configuration	Multiple Ports
Port Matrix Configuration	1 x 2
Connector Contact Density	Standard
Number of Positions	8



Number of Loaded Positions	8
PCB Mount Orientation	Right Angle

Signal Characteristics

Data Rate	1 Gb/s
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Body Features

Insulator Material	Liquid Crystal Polymer (LCP)
Shield Plating Material	Nickel
Shield Plating Finish	Matte
Shield Material	Brass
PCB Retention Feature Material	Liquid Crystal Polymer (LCP)
LED Color (Top Right)	Green/Yellow
LED Color (Top Left)	Green/Yellow
PCB Ground Tab Location	3.05 mm[.12 in]
Modular Jack Latch Orientation	Inverted - Latch Up
Connector Profile	Standard

Contact Features

Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material Finish	Matte
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold (Au)
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material Thickness	.76 μ m[30 μ in]

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[.1 in]
Housing Color	Black



Housing Material	Liquid Crystal Polymer (LCP)
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Dimensions

Connector Height	13.5 mm[.531 in]
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Usage Conditions

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

Indicator Type	LED
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Shielded	Yes
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Circuit Application	Signal
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Industry Standards

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

Packaging Quantity	80
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Packaging Method	Reel
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Other

Shield Panel Ground Type	Bottom
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Out of Scope
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China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: FEB 2026 (253) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
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Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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Solder Process Capability	Reflow solder capable to 260°C
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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 # 7-2301994-5
RJ45 JACK INT.MAG. 1GB 1X1 INV.



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



TE Part # 2-2301994-5
RJ45 JACK INT.MAG. 1GB 1X1 INV.

Also in the Series | Industrial RJ45 Mag Jack



RJ45 Connectors(90)

Customers Also Bought



TE Part #2-406541-2
MJ,INV,1X1,6PNL G.,100°ST,SN, NARROW POST



TE Part #5-1375583-4
05 MTE VERTICAL SMT HDR 30 AU



TE Part #2-2301994-5
RJ45 JACK INT.MAG. 1GB 1X1 INV.



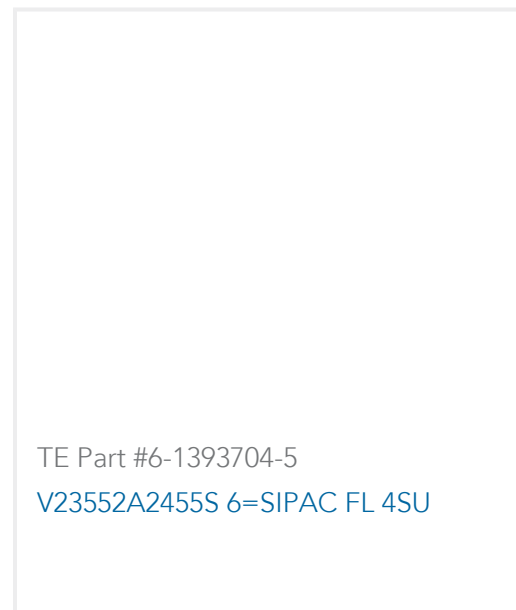
TE Part #1-2301997-0
RJ45 JACK INT.MAG. 1GB LED 2X1



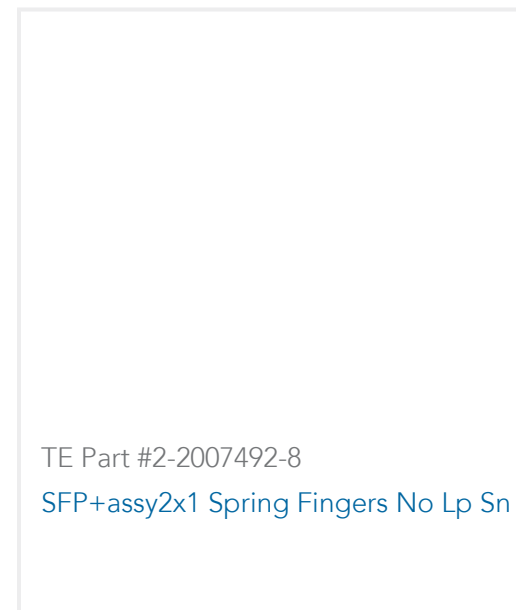
TE Part #1-2308107-2
DDR4 DIMM 288 PIN TH TYPE



TE Part #6116353-1
INV MJ,1X2,PNL GRD,LED (G/Y)



TE Part #6-1393704-5
V23552A2455S 6=SIPAC FL 4SU



TE Part #2-2007492-8
SFP+assy2x1 Spring Fingers No Lp Sn



TE Part #2041307-2
RJ45, SHIELDED, OFFSET, DIP, 30U',
H=8.2



TE Part #2143451-2
SFP+ 1X2 Assy, Sldr Tail, T&R

Documents

Product Drawings

[RJ45 JACK INT.MAG. 1GB LED 1X2 INV.](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2301996-7_C.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2301996-7_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2301996-7_C.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

Agency Approvals

[UL](#)

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RJ45 with Integrated Magnetics Connector, Multiple Ports, 1 x 2, Jack, Shielded, Cat 5e, Inverted - Latch Up, 8 Position, Industrial RJ45 Mag Jack



English