



TE Internal #: 1-406541-6

RJ45 Connector, Single Port, 1 x 1, Jack, Shielded, Cat 5, Inverted - Latch Up, 8 Position, Standard Profile, Through Hole - Solder, Right Angle

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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

Packaging Features

Packaging Quantity	441
Packaging Method	Tray, Box & Tray

Dimensions

PCB Thickness (Recommended)	1.57 mm[.062 in]
Connector Height	13.34 mm[.525 in]

Mechanical Attachment

Panel Mount Feature	Without
Connector Mounting Type	Panel Mount

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, .2 A
Contact Mating Area Plating Material	Gold



Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material Thickness	.36 µm[15 µin]

Body Features

Shield Plating Material	Nickel
Shield Plating Finish	Satin
Shield Material	Copper Alloy
PCB Ground Tab Location	-3.43 mm[-.135 in]
Modular Jack Latch Orientation	Inverted - Latch Up
Connector Profile	Standard

Industry Standards

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

Operation/Application

Indicator Type	No Indicator
Shielded	Yes
Circuit Application	Signal

Configuration Features

Number of PCB Ground Tabs	2
Panel Ground Location	Top, Top and Side
Number of Panel Ground Tabs	6
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

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 and Panel Ground



Connector & Contact Terminates To

Printed Circuit Board

Termination Features

Termination Method to PCB	Through Hole - Solder
Termination Post & Tail Length	3.56 mm[.14 in]

Housing Features

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

Usage Conditions

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

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

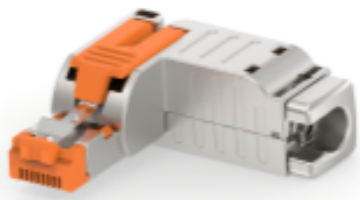
Product Compliance Disclaimer

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 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 # 1SET316010R0000
RJ45 FIELD INSTALL CABLE CONN.
90 - 1PC



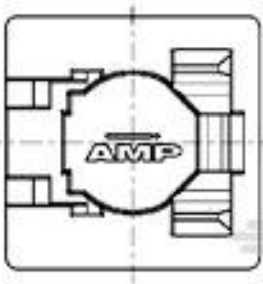
TE Part # 1SET316012R0000
RJ45 FIELD INSTALL CABLE CONN.
90 - 50PC




TE Part # 1SET316008R0000
RJ45 FIELD INSTALL CABLE CONN.-
10PC




TE Part # 1SET316007R0000
RJ45 FIELD INSTALL CABLE CONN. -
1PC



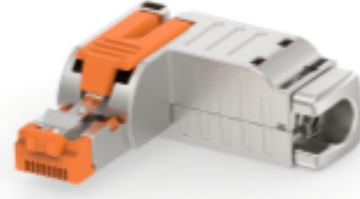
TE Part # 188729-1
8P.COVER/SOLD.STOP




TE Part # 2383216-1
RJ45 FIELD INSTALLABLE CABLE
CONN.



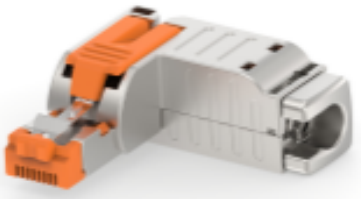
TE Part # 1SET316009R0000
RJ45 FIELD INSTALL CABLE CONN.-
50PC




TE Part # 1SET316011R0000
RJ45 FIELD INSTALL CABLE CONN.
90 - 10PC



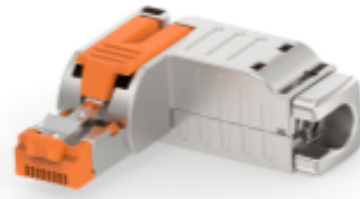
TE Part # 2383216-3
RJ45 FIELD INSTALLABLE CABLE
CONN.




TE Part # 2383217-1
RJ45 FIELD INSTALLABLE CABLE
CONN. 90



TE Part # 2383216-2
RJ45 FIELD INSTALLABLE CABLE
CONN.

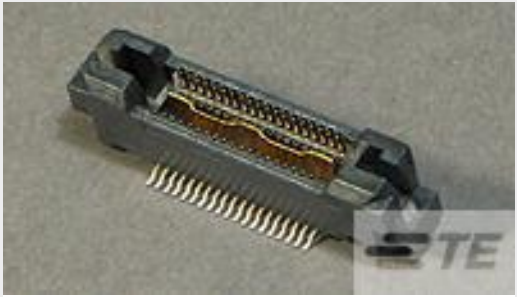


TE Part # 2383217-2
RJ45 FIELD INSTALLABLE CABLE
CONN. 90



TE Part # 2383217-3
RJ45 FIELD INSTALLABLE CABLE
CONN. 90

Customers Also Bought



TE Part #5767056-1
MICT,260,PLUG,38,ASSY,PDNI



TE Part #5-2213767-3
AV19 DPM 3A MOVE RING LED GREEN 12V



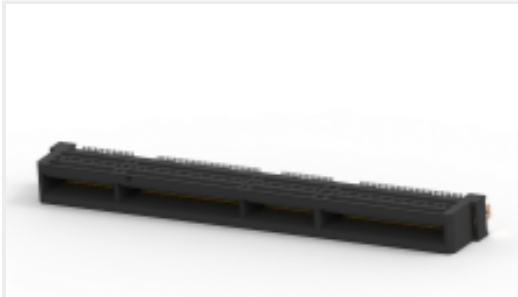
TE Part #2-1734774-4
PCI EXP 3.1L 164 POS BLK 30u"



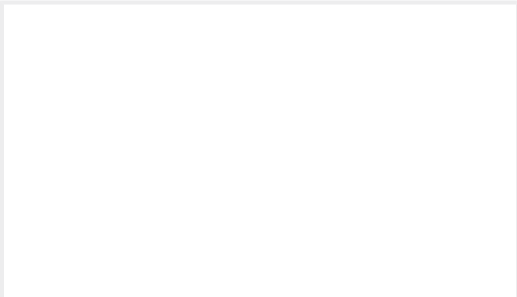
TE Part #E87437-000
HW-508095-5-9



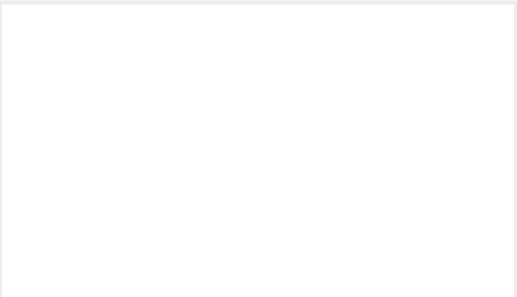
TE Part #2199155-3
DDR4 DIMM 288 Pin SMT type



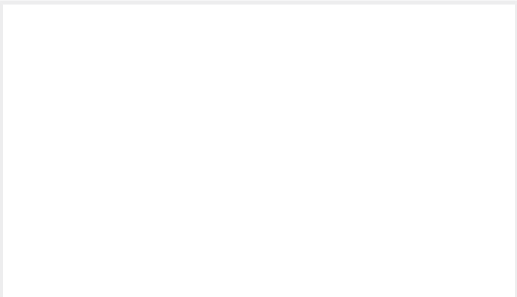
TE Part #2333799-3
RCPT ASSY, VERT, 168 POS, SLIVER 2.0



TE Part #1-6450843-6
MBXLE R/A HEADER 3ACP



TE Part #2339207-3
56 POSITION SLIVER ORTHOGONAL EDSFF 1*1



TE Part #2421777-2
02P MICRO MNL ASSY,VRT,SMT LF



TE Part #2394322-1
MB-XLE TO RAPID LOCK

Documents

Product Drawings

MJ,INV,1X1,6PNL G,,140"ST,SN

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-406541-6_L.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-406541-6_L.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-406541-6_L.3d_stp.zip

English

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Product Specifications



Application Specification

English

Agency Approvals

UL Report

English