1888653-9 ✓ ACTIVE

OEG Miniature Relay PCF
TE Internal #: 1888653-9

OEG Miniature Relay PCF, RJ45 Connectors, RJ45, Multiple Ports, Port Matrix Configuration 2 x 1, RJ Type Jacks & Plugs

View on TE.com >

Connectors > Modular Jacks & Plugs > RJ45 Connectors

Modular Jack & Plug Interface Type: **RJ45**

Port Configuration: **Multiple Ports**

Port Matrix Configuration: **2 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 Assembly
Ground Component Type	Grounding Clips
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

Panel Ground Location	Top and Side
Number of Grounding Clips	1
Number of PCB Ground Tabs	4
Number of Panel Ground Tabs	12
Wiring Pattern	Cat 5e
Port Configuration	Multiple Ports
Port Matrix Configuration	2 x 1
Connector Contact Density	Standard
Multiple Port Configuration	Stacked
Status Indicator Type	LED

Number of Positions	8
Number of Loaded Positions	8
PCB Mount Orientation	Right Angle

Signal Characteristics

Data Rate	1000 Mb/s

Body Features

Insulator Material	Thermoplastic Polyester
Shield Plating Finish	Tin
Grounding Tab Plating Material	Tin over Copper
Shield Plating Material	Tin over Nickel
Shield Material	Copper Alloy
Modular Jack Latch Orientation	Standard - Latch Down
Connector Profile	Offset - Overhangs PCB
LED Color (Bottom Left)	None
LED Color (Bottom Right)	None
LED Color (Top Left)	Yellow
LED Color (Top Right)	Green

Contact Features

PCB Termination Area Plating Finish	Matte
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Current Rating (Max)	1.5 A
Contact Mating Area Plating Material	Gold
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material Thickness	1.27 µm[50 µin]

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Press-Fit
Termination Post & Tail Length	4.14 mm[.163 in]

Mechanical Attachment

Panel Mount Feature	Without
PCB Mount Retention Type	SMT Hold Down - Press-Fit
Mating Retention Type	Latch

Connector Mounting Type	Board Mount, Panel Mount

Housing Features

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

Dimensions

PCB Thickness (Recommended)	1.57 mm[.062 in]
Connector Height	3.27 mm[.129 in]

Usage Conditions

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

Operation/Application

Shielded	Yes
Circuit Application	Signal

Industry Standards

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

Packaging Features

Packaging Quantity	45
Packaging Method	Tray

Product Compliance

For compliance documentation, visit the product page on TE.com>

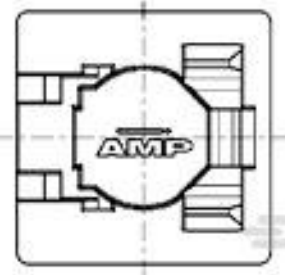|	
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.

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 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
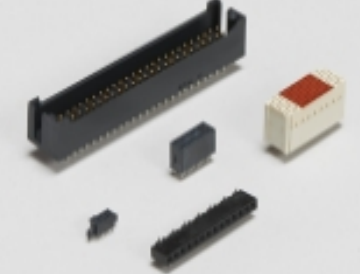
Compatible Parts

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

TE Part # 1521003-2
CAT 5E CABLE ASSY, 8 POS RJ45

Also in the Series | OEG Miniature Relay PCF

Board-to-Board Headers &
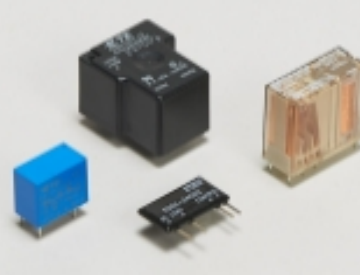Receptacles(4)

Combo Jacks(2)

IDC D-Sub Connectors(1)

Mini PCI Express & mSATA(1)

Power Relays(4)

RJ14 Connectors(3)

RJ22 Connectors(3)
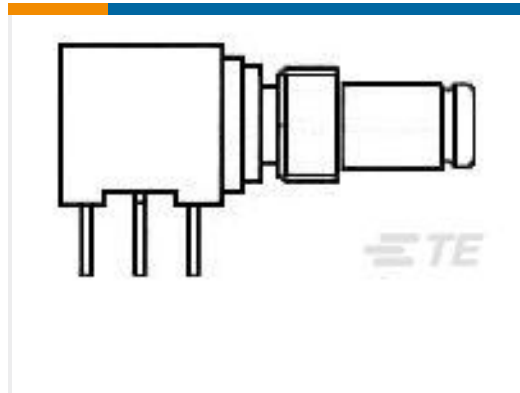
RJ25 Connectors(10)

RJ45 Connectors(70)

Wire-to-Board Connector Contacts(1)

Customers Also Bought

TE Part #5084615-2
Free Height Plug Connector: Board-Board, Vertical, 60, 0.8mm

TE Part #1460060-1
1.0/2.3 R/A PCB JACK, 50 OHM

TE Part #1766188-1
CONTACT,SKT,#12

TE Part #2007821-2
IMP100S,H,V4P10C,UG,LEW39,4.9

TE Part #2018849-1
ASSY, SEATING TL, 6 ROW, 6 COL

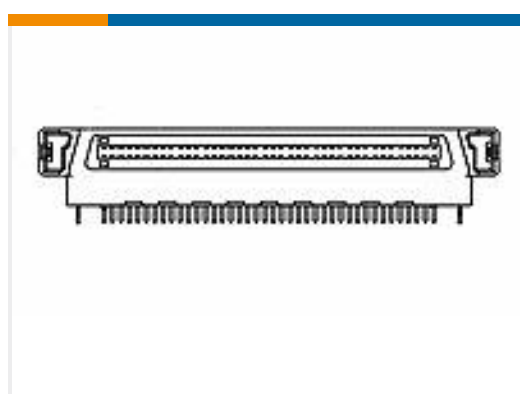TE Part #2018855-1
ASSY, SEATING TL, 4 ROW, 8 COL

TE Part #2149977-2
IMP100S,H,V4P6C,UG,REW39,4.9

TE Part #2170207-4
1X6 QSFP ASSEMBLY THRU BZL W/4 PORT LP

TE Part #2293574-1
CAGE ASSY, QSFP28 1X1, SPRING, HS, LP

TE Part #787535-4
80 BLDMATE RCPT ASSY LEAD FREE

Documents

Product Drawings
2X1 OFFSET ST/JK WITH LEDS

English

CAD Files
3D PDF

3D

Customer View Model
ENG_CVM_CVM_1888653-9_E.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1888653-9_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1888653-9_E.3d_stp.zip

English

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Product Specifications

Application Specification

English

Product Environmental Compliance

TE Material Declaration

English

Agency Approvals

UL Report

English