2178415-1 ✔ ACTIVE

CGS SM

TE Internal #: 2178415-1

RJ45 Connector, Single Port, 1 x 1, Jack, Shielded, Cat 5, Inverted - Latch Up, 8 Position, Standard Profile, Surface Mount, Right Angle, CGS SM

View on TE.com >

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

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

Configuration Features

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
PCB Mount Orientation	Right Angle

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Body Features

Shield Plating Material	Nickel
Shield Material	Brass
Modular Jack Latch Orientation	Inverted - Latch Up
Connector Profile	Standard

Contact Features

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

Termination Features

Termination Method to PCB	Surface Mount

Mechanical Attachment

Panel Mount Feature	Without
Connector Mounting Type	Board Mount

Housing Features

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

Dimensions

Connector Height	13.35 mm[.525 in]

Usage Conditions

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

Operation/Application

Indicator Type	No Indicator
Shielded	Yes
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0

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Performance Category	Cat 5

Packaging Features

Packaging Quantity	200
Packaging Method	Box & Tray, Reel

Product Compliance

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

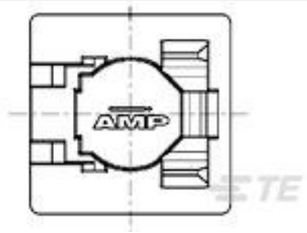
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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

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

Also in the Series | CGS SM



Coin Cell Battery Holders(1)



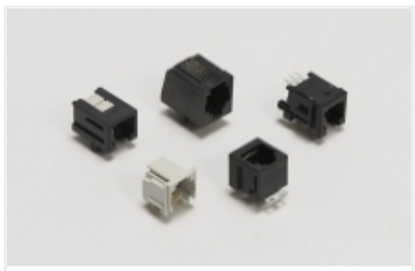
Expanded Beam Fiber Optics(5)



LC Connectors(1)



RJ22 Connectors(1)

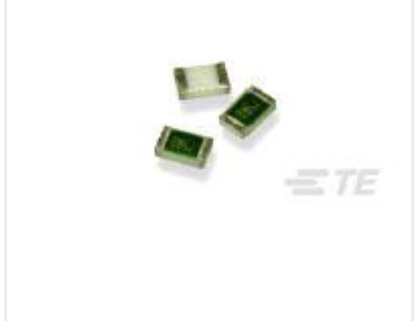


RJ25 Connectors(1)



SC Connectors(2)

Customers Also Bought



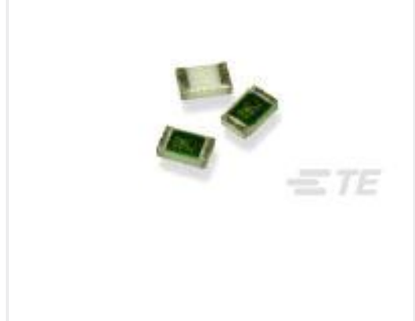
TE Part #1879225-6
CPF 0603 43K2 0.1% 25PPM 1K RL



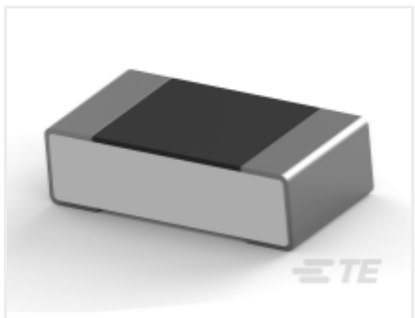
TE Part #5-1879252-8
RP 2B 7R50 0.1% 15PPM CUT LENGTH



TE Part #2170806-2
CAGE ASSEMBLY, 1X2, QSFP28, SPRING, HS



TE Part #5-2176216-9
CPF A 0603 82K 0.1% 25PPM 1K RL



TE Part #1-2176367-5
RQ 0603 6K49 0.1% 10PPM 1K RL



TE Part #9-2176385-3
RQ 1206 10K5 0.1% 10PPM 1K RL

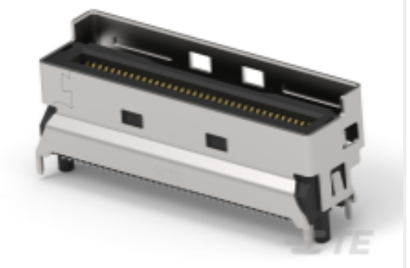


TE Part #1-2204910-0
MBXL R/A HDR 2P + 16S + 2P

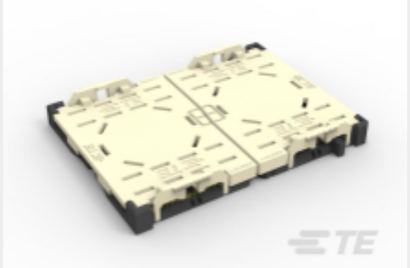


TE Part #2318579-2
RCPT CONN R/A SMT 76 POSN QSFP-DD WSHRS

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TE Part #1-2379397-5
MCIO INTERGRATED CONN, V/T,8X, SMT TYPE



TE Part #1-2324271-2
LEFT SEGMENT LGA4189-4 SOCKET-P4 FOR ODM

Documents

Product Drawings

MJ,RJ45,SMT,SHLD

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2178415-1_A_c-2178415-1-a.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2178415-1_A_c-2178415-1-a.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2178415-1_A_c-2178415-1-a.3d_stp.zip

English

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Product Specifications

Product Specification

English

Agency Approvals

UL Report

English

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