406541-1 SUPERSEDED

TE Internal #: 406541-1

TE Internal Description: MJ,INVERT,1X1,PNL GRD,.100"S/T

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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

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
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

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

Contact Features

PCB Contact Termination Area Plating Material Finish	Bright
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Current Rating (Max)	.2 A, 1.5 A
Contact Mating Area Plating Material	Gold (Au)
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material Thickness	.36 µm[15 µin]

Termination Features

Termination Method to PCB	Through Hole - Solder
Termination Post & Tail Length	2.54 mm[.1 in]

Mechanical Attachment

Panel Mount Feature	Without
Connector Mounting Type	Panel Mount

Housing Features

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

Dimensions

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

Operation/Application

Indicator Type	No Indicator
Shielded	Yes
Circuit Application	Signal

Industry Standards

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

Packaging Features

Packaging Quantity	441
Packaging Method	Box & Tray, 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: JUNE 2025 (250) Candidate List Declared Against: JUN 2018 (191) 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	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

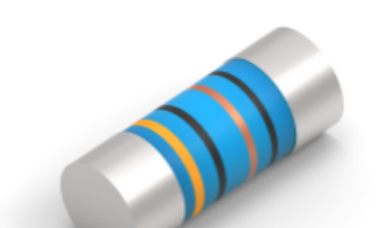
Customers Also Bought



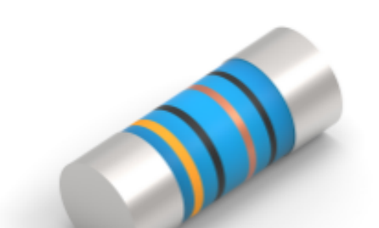
TE Part #53833-1
SOLIS SPR SPADE 16-14 8



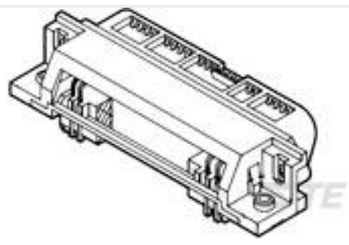
TE Part #2015698-2
RF CA,UMCC GEN2-GEN2,0.81MM CABLE,L100MM



TE Part #5-2176315-6
MELF SMA_A 3K3 1% 50PPM 0204 0.4 W



TE Part #6-2176315-3
MELF SMA_A 12K 1% 50PPM 0204 0.4 W



TE Part #5552726-3
ASSY,PLUG,50 POSN, RTANG, PCB



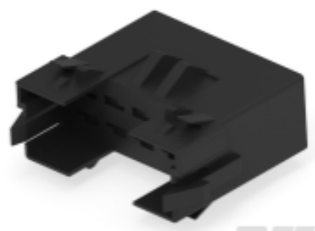
TE Part #5558382-1
MJ,R/A,8P,SHLD



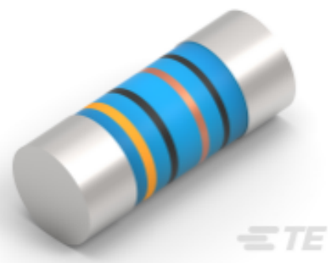
TE Part #6337194-1
BATTERY CONNECTOR ASSEMBLY



TE Part #216415-4
128P.IEC-C FEM.CONN



TE Part #154979-9
10WAY POSI-MATE TAB HSG. PANEL



TE Part #8-2176315-2
MELF SMA-A 39R 1% 50PPM 0204 0.4 W

Documents

CAD Files

3D PDF

3D

Customer View Model
ENG_CVM_CVM_406541-1_L.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_406541-1_L.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_406541-1_L.3d_stp.zip

English

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Product Specifications

Application Specification

English

Agency Approvals

UL Report

English