



Connectors > Modular Jacks & Plugs > Industrial Mini I/O Connectors > Single Pair Ethernet (SPE) IP20 Connector



Modular Jacks & Plugs Products: **SPE T1 Industrial**

Connector Contact Density: **Standard**

Modular Connector Style: **Plug**

Shielded: **Yes**

Performance Category: **SPE (Single Pair Ethernet)**

[All Single Pair Ethernet \(SPE\) IP20 Connector \(2\)](#)

Features

Product Type Features

Connector Product Type	Connector Assembly
Modular Jacks & Plugs Products	SPE T1 Industrial
Modular Connector Style	Plug
Connector System	Cable-to-Board
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	2
Port Matrix Configuration	1 x 1
Connector Contact Density	Standard
Number of Loaded Positions	2

Signal Characteristics

Data Rate	1000 Mb/s
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Body Features



Shield Material	Stainless Steel
Shield Plating Material	Tin over Nickel

Contact Features

Contact Underplating Material	Nickel
Contact Mating Area Plating Material	Gold Flash over Palladium Nickel
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	4 A

Mechanical Attachment

Mating Alignment Type	Latch
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Color	Black
Centerline (Pitch)	2.8 mm[.11 in]
Housing Material	PA

Usage Conditions

Operating Temperature Range	-40 – 80 °C[-40 – 176 °F]
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Operation/Application

Circuit Application	Power & Signal
Shielded	Yes

Industry Standards

UL Flammability Rating	UL 94V-0
Performance Category	SPE (Single Pair Ethernet)

Packaging Features

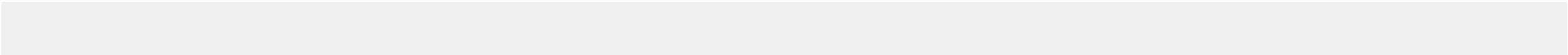
Packaging Quantity	100
Packaging Method	Loose Piece - Bag

Other

Field Serviceable	No
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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	Out of Scope
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 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not reviewed 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 # 2368258-1
500pcs reel SPE T1 Male Contact
AWG28.26




TE Part # 2368258-2
500pcs reel SPE T1 Male Contact
AWG24.22




TE Part # 2364151-1
SPE T1 Industrial RA JACK IP20


Customers Also Bought




TE Part #102241-3
05 MODIV HSG COMP SR .100 POL



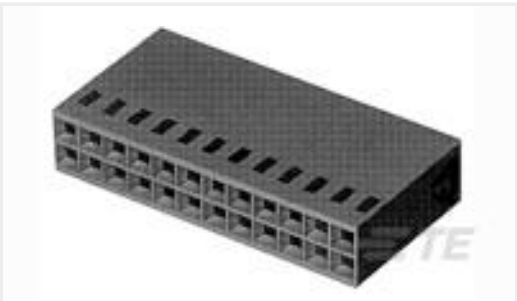
TE Part #66103-3
III+ PIN,24-20,15AU/FL,LP



TE Part #66429-4
III+ PIN,30-26,30AU/FL,LP



TE Part #160013
SOLIS 8 R M5



TE Part #87456-5
[10 MODIV HSG COMP DR .100CL](#)



TE Part #193991-4
[PIN ASSY. TPE XII](#)



TE Part #2364151-1
[SPE T1 Industrial RA JACK IP20](#)



TE Part #1735801-1
[2.0mm,Crimp,Contact](#)



TE Part #208478-1
[CMC PLUG ASSEMBLY,SZ 28](#)



TE Part #770018-1
[03P UMNLI IN-LNE PLUG HSG KIT](#)

Documents

Product Drawings

[SPE T1 Industrial Plug IP20 KIT](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_2364150-1_A.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2364150-1_A.2d_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2364150-1_A.3d_igs.zip](#)

English

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Product Specifications

[Application Specification](#)

English