



TE Internal #: 170313-1

Connector Contact, Hermaphroditic, Wire-to-Board, 24 – 20 AWG

Wire Size, 394.71 – 986.76 CMA Wire Size, .2 – .5 mm² Wire Size,

Gold, Reel

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Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Connector Contacts



Contact Type: **Hermaphroditic**

Connector System: **Wire-to-Board**

Wire Size: **.2 – .5 mm²**

Features

Product Type Features

Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Electrical Characteristics

Dielectric Withstanding Voltage (Max)	2000 VAC
Insulation Resistance	5000 MΩ
Operating Voltage	30 VAC

Contact Features

Contact Retention Within Housing	With
Mating Tab Width	3 mm[.118 in]
Mating Tab Thickness	.65 mm[.025 in]
Contact Underplating Material Thickness	.3 μm[11.81 μin]
Wire Contact Termination Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.08 μm[3.149 μin]
Contact Length	21 mm[.827 in]
Contact Underplating Material	Nickel



Contact Base Material	Phosphor Bronze
Contact Type	Hermaphroditic
Contact Mating Area Plating Material	Gold
Contact Current Rating (Max)	7 A

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Contact Retention Type Within Housing	Locking Lance
Connector Mounting Type	Cable Mount (Free-Hanging)

Dimensions

Accepts Wire Insulation Diameter Range	1.5 – 1.95 mm [.059 – .077 in]
Wire Size	.2 – .5 mm ²

Usage Conditions

Operating Temperature Range	-30 – 105 °C [-22 – 221 °F]
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Operation/Application

Compatible With Wire Base Material	Copper
Circuit Application	Signal

Packaging Features

Packaging Quantity	1000
Packaging Method	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	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Low Halogen - Br, Cl, F, I < 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



TE Part # CAT-AM7017-SD292P
STANDARD DRAWER PLUG
HOUSINGS



TE Part # 723986-1
EXTRACTION TOOL



TE Part # 91591-1
CCII DRAWER CONNECTOR 24-20
ASSY

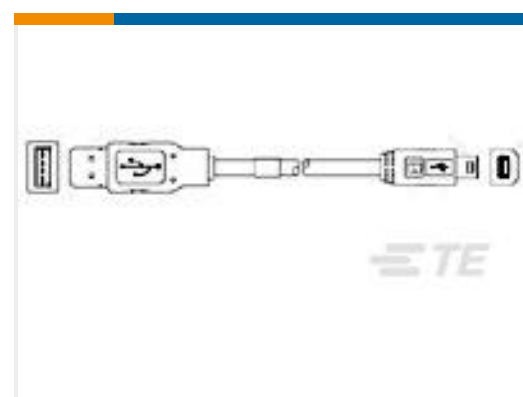


TE Part # 91591-3
CCII DRAWER CONNECTOR 24-20
HEAD

Customers Also Bought



TE Part #167292-1
09P.HDP20 PLUG ASSY



TE Part #1487588-2
USB, A-B, 28/24, WHITE, 1.5M



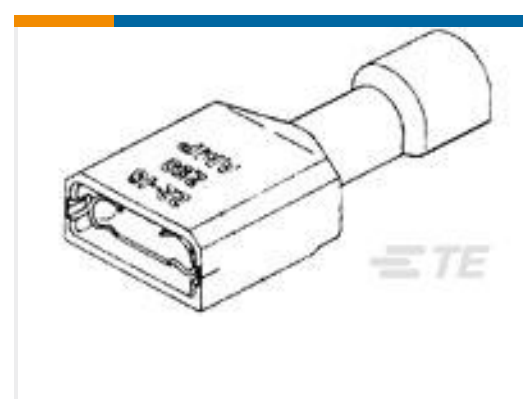
TE Part #9-1419111-1
PT570730



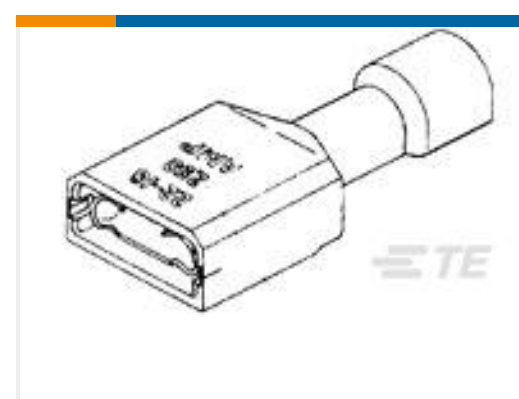
TE Part #5-1419111-9
PT28800



TE Part #4-1625892-2
3W SM M/OX 5% 33K



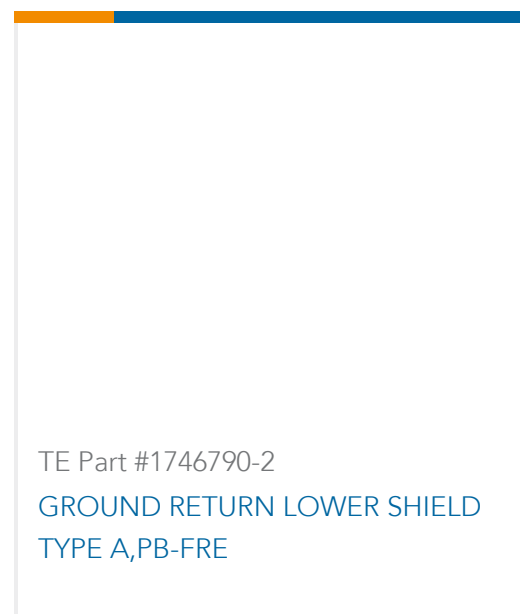
TE Part #3-520408-2
ULTRA-FAST 250 ASY REC 16-14 AWG
TPBR



TE Part #3-520124-2
187 ULTRA-FAST ASY REC 16-14 AWG
TPBR



TE Part #1-1393154-2
PT570024



Documents

Product Drawings

[DRAWER CONN.CONTACT](#)

Japanese

CAD Files

[3D PDF](#)

English

[Customer View Model](#)

[ENG_CVM_170313-1_B.2d_dxf.zip](#)

English

[Customer View Model](#)

[ENG_CVM_170313-1_B.3d_igs.zip](#)

English

[Customer View Model](#)

[ENG_CVM_170313-1_B.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[POWER_CONNECTORS_CATALOG_SEC02_CABLE_MOUNTED](#)

English

[Low Power Drawer Connectors QRG](#)

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Product Specifications

[Crimping Drawer Connector Contacts](#)

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[Application Specification](#)

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Product Environmental Compliance

[Product Compliance](#)

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