



TE Internal #: 173032-3  
 Housing, Plug, Wire-to-Board / Wire-to-Wire, 20 Position, 5 mm [.197 in] Centerline, 2 Row, Blue, Mating Retention, Wire & Cable, Power & Signal

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Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Connector Assemblies & Housings > Standard Drawer Plug Housings



Connector Product Type: **Housing**  
 Connector & Housing Type: **Plug**  
 Connector System: **Wire-to-Board, Wire-to-Wire**  
 Number of Positions: **20**  
 Centerline (Pitch): **5 mm [.197 in]**

[All Standard Drawer Plug Housings \(15\)](#)

## Features

### Product Type Features

Connector Product Type	Housing
Connector & Housing Type	Plug
Connector System	Wire-to-Board, Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

### Configuration Features

Number of Signal Positions	4
Number of Positions	20
Number of Rows	2

### Electrical Characteristics

Operating Voltage	250 V
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### Body Features

Drawer Style	Miniature Power
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### Contact Features

Contact Type	Pin
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	15 A



### Mechanical Attachment

Panel Mount Feature	With
PCB Mount Retention	Without
Mating Retention	With
Connector Mounting Type	Panel Mount

### Housing Features

Housing Material	PBT GF
Centerline (Pitch)	5 mm [.197 in]
Housing Color	Blue

### Dimensions

Connector Length	81.28 mm [3.2 in]
Connector Height	26.3 mm [1.035 in]
Connector Width	32.5 mm
Wire Size	.22 mm <sup>2</sup> , .22 – 2.18 mm <sup>2</sup>
Row-to-Row Spacing	9.9 mm [.389 in]

### Usage Conditions

Operating Temperature Range	-20 – 120 °C [-4 – 248 °F]
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### Operation/Application

Circuit Application	Power & Signal
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### Industry Standards

UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Method	Box & Carton
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### Other

Comment	Mating Hsg - 5173033- Contacts - 170311, 170312, 170484, 170313, 170314, 170485
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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	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: JUNE 2022 (224)

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 # 170313-1  
DRAWER CONN.CONTACT

TE Part # 170485-1  
DRAWER CONN LP

TE Part # 170312-1  
POWER CONN.CONTACT

TE Part # 170311-1  
CONTACT FOR DRAWER CONN

TE Part # 170484-1  
CONTACT FOR DRAWER CONNECTOR

TE Part # 170314-1  
DRAWER CONN.CONTACT

## Documents

**Product Drawings**  
**20P DRAWER CONN MALE**

Japanese

**CAD Files**



### 3D PDF

English

#### Customer View Model

[ENG\\_CVM\\_173032-3\\_O.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_173032-3\\_O.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_173032-3\\_O.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

### Product Specifications

[Crimping Drawer Connector Contacts](#)

English

[Application Specification](#)

English

### Agency Approvals

[UL](#)

English