

170485-1 ✓ ACTIVE

TE Internal #: 170485-1

Hermaphroditic Contact, Gold, 250 VAC, Locking Lance Contact

Retention, 20 – 16 AWG Wire Size, .503 – 1.419 mm<sup>2</sup> Wire Size

[View on TE.com >](#)



Connectors > Contacts > Connector Contacts



Contact Type: **Hermaphroditic**

Contact Mating Area Plating Material: **Gold**

Operating Voltage: **250 VAC**

Contact Retention Within Housing: **With**

Contact Retention Type Within Housing: **Locking Lance**

## Features

### Packaging Features

Packaging Method	Reel
Packaging Quantity	1000

### Dimensions

Compatible Insulation Diameter Range	1.8 – 3.3 mm [.071 – .13 in]
Wire Size	992.68 – 2802.41 CMA

### Contact Features

Contact Underplating Material	Nickel
Mating Tab Thickness	.65 mm [.025 in]
Mating Tab Width	3 mm [.118 in]
Contact Length	21 mm [.827 in]
Contact Type	Hermaphroditic
Contact Mating Area Plating Material	Gold
Contact Retention Within Housing	With
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	7 A



### Electrical Characteristics

Operating Voltage	250 VAC
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### Mechanical Attachment

Contact Retention Type Within Housing	Locking Lance
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### Termination Features

Termination Method to Wire & Cable	Crimp
Product Terminates To	Wire & Cable

### Usage Conditions

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

Circuit Application	Signal
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### Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

### 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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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 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 # 91590-1  
CCII DRAWER CONNECTOR 20-16  
ASSY

## Customers Also Bought



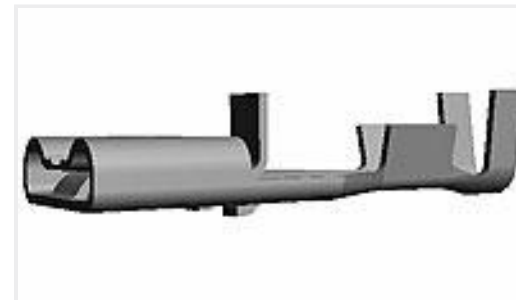
TE Part #172063-1  
08P DRAWER MALE HSG



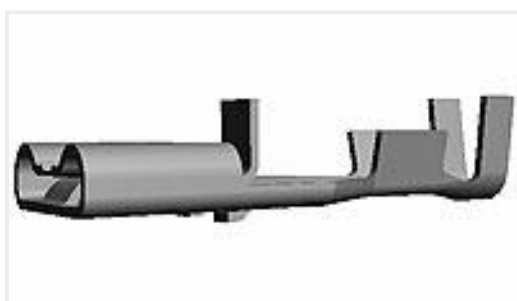
TE Part #5-146274-4  
04 MODII HDR SRST B/A .100CL



TE Part #1318853-2  
Signal Header



TE Part #170333-1  
PL 250 RECEPTACLE 22-18 AWG  
PTPBR



TE Part #170334-1  
250 PL MIII,REC.,18-14 AWG,PTBR



TE Part #2237022-1  
16P 025 CAP ASSY



TE Part #2237023-1  
40P 025 CAP ASSY

## Documents

### Product Drawings

#### DRAWER CONN LP

Japanese

### CAD Files

#### Customer View Model

[ENG\\_CVM\\_170485-1\\_A.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_170485-1\\_A.3d\\_igs.zip](#)

English



### Customer View Model

[ENG\\_CVM\\_170485-1\\_A.3d\\_stp.zip](#)

English

[3D PDF](#)

English

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

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### Datasheets & Catalog Pages

[POWER\\_CONNECTORS\\_CATALOG\\_SEC02\\_CABLE\\_MOUNTED](#)

English

[Low Power Drawer Connectors QRG](#)

English

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### Product Specifications

[Crimping of AMP EI Series Connector Contacts](#)

Japanese

[Application Specification](#)

Japanese

[Crimping Drawer Connector Contacts](#)

English

[Application Specification](#)

English