

172059-1 ✓ ACTIVE

Standard Drawer

TE Internal #: 172059-1

Housing, Plug, Wire-to-Board / Wire-to-Wire, 16 Position, 5 mm [.197 in] Centerline, Crimp, 2 Row, Blue, Mating Retention, Standard Drawer

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Connector Product Type: **Housing**

Connector & Housing Type: **Plug**

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

Number of Positions: **16**

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 | 16 |
| Number of Rows | 2 |

Electrical Characteristics

| | |
|-------------------|-------|
| Operating Voltage | 250 V |
|-------------------|-------|

Body Features

| | |
|--------------|-----------------|
| Drawer Style | Miniature Power |
|--------------|-----------------|

Contact Features

| | |
|--------------|-----|
| Contact Type | Pin |
|--------------|-----|



| | |
|-----------------------|-----------------|
| Contact Base Material | Phosphor Bronze |
|-----------------------|-----------------|

| | |
|------------------------------|------|
| Contact Current Rating (Max) | 15 A |
|------------------------------|------|

Termination Features

| | |
|------------------------------------|-------|
| Termination Method to Wire & Cable | Crimp |
|------------------------------------|-------|

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 | 71.2 mm [2.8 in] |
|------------------|------------------|

| | |
|------------------|--------------------|
| Connector Height | 26.3 mm [1.035 in] |
|------------------|--------------------|

| | |
|-----------------|---------|
| Connector Width | 32.5 mm |
|-----------------|---------|

| | |
|-----------|--|
| Wire Size | .22 mm ² , .22 – 2.18 mm ² |
|-----------|--|

| | |
|--------------------|-------------------|
| Row-to-Row Spacing | 13.3 mm [.524 in] |
|--------------------|-------------------|

Usage Conditions

| | |
|-----------------------------|----------------------------|
| Operating Temperature Range | -20 – 120 °C [-4 – 248 °F] |
|-----------------------------|----------------------------|

Operation/Application

| | |
|---------------------|----------------|
| Circuit Application | Power & Signal |
|---------------------|----------------|

Industry Standards

| | |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

Packaging Features

| | |
|------------------|--------------|
| Packaging Method | Box & Carton |
|------------------|--------------|

Other

| | |
|---------|---|
| Comment | Mating Hsg - 5172068- Contacts - 170311, 170312, 170484, 170313, 170314, 170485 |
|---------|---|

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

| | | | |
|--|--|--|---|
|  <p>TE Part # 172653-1 DRAWER CONN. MALE ASSY 16P</p> |  <p>TE Part # 5172068-1 16P FEMALE HSG ASSY DROWER</p> |  <p>TE Part # 170313-1 DRAWER CONN.CONTACT</p> |  <p>TE Part # 170485-1 DRAWER CONN LP</p> |
|  <p>TE Part # 170312-1 POWER CONN.CONTACT</p> |  <p>TE Part # 170311-1 CONTACT FOR DRAWER CONN</p> |  <p>TE Part # 170484-1 CONTACT FOR DRAWER CONNECTOR</p> |  <p>TE Part # 170314-1 DRAWER CONN.CONTACT</p> |

Also in the Series | Standard Drawer



Wire-to-Board Connector Assemblies
& Housings(20)

Documents

Product Drawings

MALE HSG DRAWER

Japanese

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_172059-1_H.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_172059-1_H.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_172059-1_H.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

POWER_CONNECTORS_CATALOG_SEC02_CABLE_MOUNTED

English

Low Power Drawer Connectors QRG

English

Product Specifications

Crimping Drawer Connector Contacts

English

Application Specification

English

Terminating AMP MTEI Connector

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Application Specification

English



Agency Approvals

UL

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