

480142-2 ✓ ACTIVE

AMP-LEAF

TE Internal #: 480142-2

Housing, Receptacle, Wire-to-Board, 22 Position, .156 in [3.96 mm]

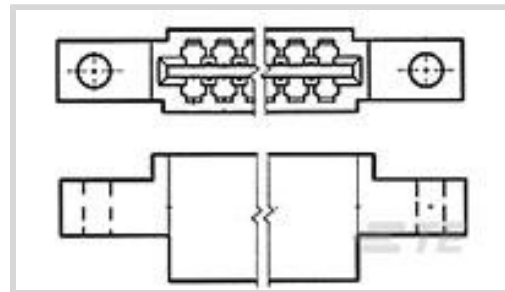
Centerline, Crimp, 2 Row, Black, Wire & Cable, Power & Signal,

Board Mount

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Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Connector Assemblies & Housings



Connector Product Type: **Housing**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **22**

Centerline (Pitch): **3.96 mm [ .156 in ]**

### Features

#### Product Type Features

Connector Product Type	Housing
Connector & Housing Type	Receptacle
Connector System	Wire-to-Board
Connector & Contact Terminates To	Wire & Cable

#### Configuration Features

Number of Dual Positions	22
Number of Positions	22
Number of Rows	2

#### Electrical Characteristics

Operating Voltage	250 VAC
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#### Body Features

Primary Product Color	Black
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#### Contact Features

Contact Type	Socket
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	5 A

#### Termination Features

Termination Method to Wire & Cable	Crimp
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### Mechanical Attachment

Strain Relief	Without
Panel Mount Feature	Without
Panel Mount Feature Type	Mounting Ears
Connector Mounting Type	Board Mount

### Housing Features

Housing Entry Configuration	Both Ends Closed
Housing Material	Diallyl Phthalate
Centerline (Pitch)	3.96 mm [.156 in]

### Dimensions

Connector Length	108.74 mm [4.281 in]
Connector Height	8.89 mm [.35 in]
PCB Thickness (Recommended)	1.4 – 1.78 mm [.055 – .07 in]
Row-to-Row Spacing	4.14 mm [.163 in]

### Usage Conditions

Operating Temperature Range	-55 – 105 °C [-67 – 221 °F]
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### Operation/Application

Circuit Application	Power & Signal
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### Industry Standards

Glow Wire Rating	Standard Part - Not Glow Wire
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### Packaging Features

Packaging Quantity	250
Packaging Method	Box

### Other

Discrete Wire Connector Comment	Housing per MIL-M-14F.
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### Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.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 2023 (235)

Candidate List Declared Against: JUNE 2023 (235)

SVHC > Threshold:

tris(2-methoxyethoxy)vinylsilane (.11% in Component Part)

**Article Safe Usage Statements:**

Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

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



## Customers Also Bought





TE Part #ZPF000000000008538  
983-6S 10-05 S6



TE Part #ZPF000000000008542  
983-6S 10-05 S7



TE Part #ZPF000000000008545  
983-6S 10-05 S8



TE Part #ZPF000000000008547  
983-6S 10-05 S9



TE Part #ZPF000000000008680  
983-6S 22-19 PN-L



TE Part #1752750001  
TMS-SCE-1/4-2.0-2

## Documents

### Product Drawings

#### HSG AMP LEAF 22 POS

English

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_480142-2\\_BA.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_480142-2\\_BA.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_480142-2\\_BA.3d\\_stp.zip](#)

English

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

### Product Specifications

#### Product Specification

English

#### Connector, AMP-LEAF, .000030 Gold Plated Contacts, DPH Housing

English

#### Product Specification

English

#### Connector, AMP-LEAF, Phenolic or Thermoplastic Housing

English



### Product Specification

English

### Connector, AMP-LEAF, Tin Plated Contact

English

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### Product Environmental Compliance

#### Product Compliance

English

#### Product Compliance

English

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### Instruction Sheets

#### Instruction Sheet (U.S.)

English

#### INTER-CONTACT KEYING PLUG NO. 583274-1 FOR AMP-LEAF CONNECTORS

English

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### Agency Approvals

#### Agency Approval Document

English