



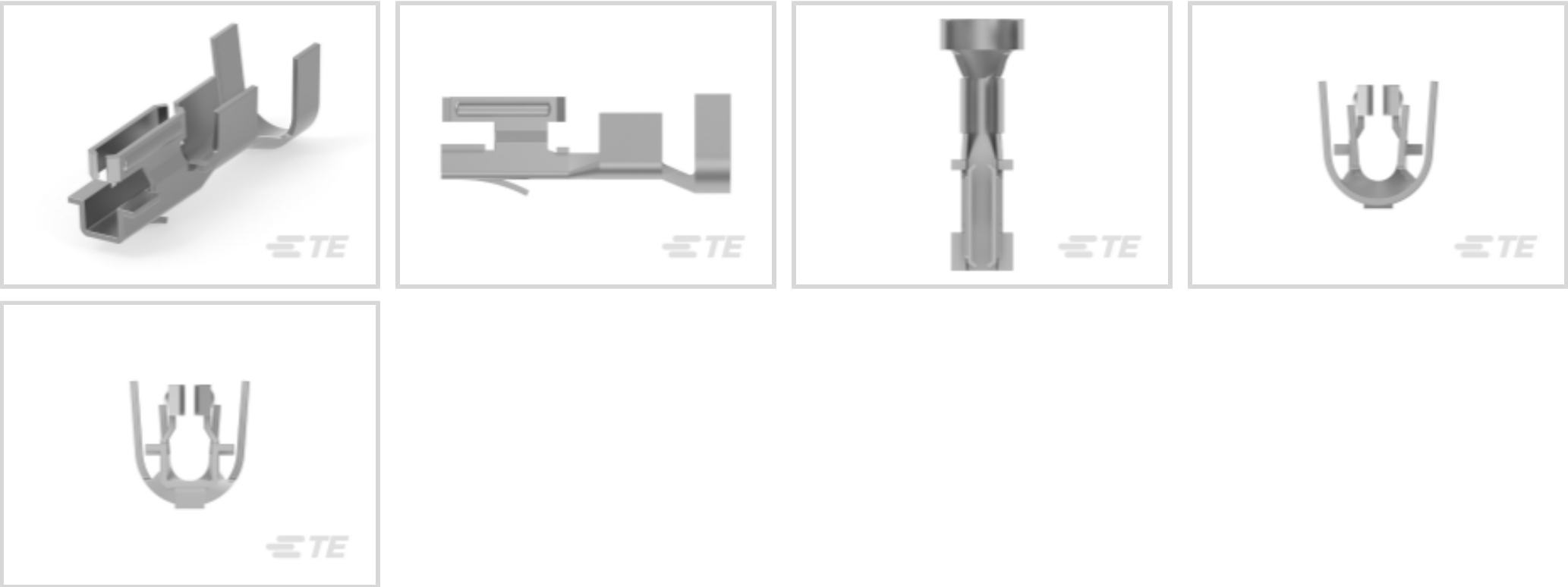
AMP

TE Internal #: 350821-1

Hermaphroditic Contact, Tin, 600 VAC, 600 VDC, 12 – 8 AWG Wire Size, 3 – 8 mm<sup>2</sup> Wire Size, Crimp, Phosphor Bronze, Power, -55 – 85 °C [-67 – 185 °F]

[View on TE.com >](#)

Connectors > Contacts > Connector Contacts



Contact Type: **Hermaphroditic**

Contact Mating Area Plating Material: **Tin**

Wire Contact Termination Area Plating Material: **Tin**

Operating Voltage: **600 VDC**

Features

Product Type Features

|                    |          |
|--------------------|----------|
| Discrete Wire Type | Stranded |
| Sealable           | No       |

Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 600 VDC |
|-------------------|---------|

Contact Features

|                                                       |                        |
|-------------------------------------------------------|------------------------|
| Wire Contact Termination Area Plating Thickness       | 2 – 4 µm[79 – 157 µin] |
| Wire Contact Termination Area Plating Material Finish | Bright                 |
| Contact Mating Area Plating Material Thickness        | 3 – 8 µm[3 – 8 µin]    |
| Contact Mating Area Plating Material Finish           | Bright                 |
| Contact Orientation                                   | Straight               |
| Contact Type                                          | Hermaphroditic         |
| Contact Mating Area Plating Material                  | Tin                    |
| Wire Contact Termination Area Plating Material        | Tin                    |
| Contact Retention Within Housing                      | With                   |
| Contact Base Material                                 | Phosphor Bronze        |



|                              |      |
|------------------------------|------|
| Contact Current Rating (Max) | 35 A |
|------------------------------|------|

Termination Features

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

Mechanical Attachment

|                         |      |
|-------------------------|------|
| Wire Insulation Support | With |
|-------------------------|------|

Dimensions

|                                      |                       |
|--------------------------------------|-----------------------|
| Compatible Insulation Diameter Range | 9.14 mm[.36 in]       |
| Wire Size                            | 3 – 8 mm <sup>2</sup> |

Usage Conditions

|                             |                           |
|-----------------------------|---------------------------|
| Operating Temperature Range | -55 – 85 °C[-67 – 185 °F] |
|-----------------------------|---------------------------|

Operation/Application

|                     |       |
|---------------------|-------|
| Circuit Application | Power |
|---------------------|-------|

Packaging Features

|                    |     |
|--------------------|-----|
| Packaging Quantity | 250 |
| Packaging Method   | Bag |

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)<br>Candidate List Declared Against: JUNE 2024 (241)<br>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 # 90349-2  
HIGHCURRENT HERMAPHRODITIC 12-10 DIE SET

TE Part # 90348-2  
HIGH CURRENT HERMAPHRODITIC 8 DIE SET

Customers Also Bought

TE Part #2-1622825-5  
RL73K 3A R68 5% 1K REEL

TE Part #1445022-5  
MICRO MNL RFCEPT HSG SINGLE R

TE Part #1658622-2  
14 NOVO MIL/CTR 30DP, LEAD FREE

TE Part #1445022-3  
MICRO MNL RFCEPT HSG SINGLE R

TE Part #84952-9  
1MM FPC HORZ.BTTM CONT.ASS.9P

TE Part #1-794608-1  
PIN CONT 20-24 15 GOLD STRIP

TE Part #1445049-5  
FREE HANG SNGL ROW HSG 5 POS

TE Part #322447-1  
SOLIS R 12-10 4 SNPB 93/7

TE Part #BTH1-19-12-1-B  
BTH1-19-12-1-B



Documents

Product Drawings

HERM HI/CUR TERM 12-8 LP

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_350821-1\_E.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_350821-1\_E.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_350821-1\_E.3d\_stp.zip

English

3D PDF

English

Customer View Model

ENG\_CVM\_350821-1\_C.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_350821-1\_C.3d\_stp.zip

English

Customer View Model

ENG\_CVM\_350821-1\_C.2d\_dxf.zip

English

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

Datasheets & Catalog Pages

1654742\_HOUSEHOLD\_APPLIANCES\_RAST5

English

Product Specifications

Product Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Crimping Die Assemblies 90347-2, 90348-2, and 90349-2

English