



AMP-BLADE

TE Internal #: 531589-3

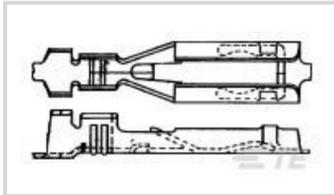
Power Contacts, Contact, Gold, 18 AWG Wire Size, .8 – .9 mm<sup>2</sup>

Wire Size, Wire-to-Wire, Wire & Cable, Crimp, Signal, Socket, Wire

Insulation Support

[View on TE.com >](#)

Connectors > Power Connectors > Power Contacts



Power Contact Type: **Contact**

Contact Mating Area Plating Material: **Gold**

Wire Size: **.8 – .9 mm<sup>2</sup>**

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

**Features**

**Product Type Features**

Power Contact Type	Contact
Connector System	Wire-to-Wire
Connector & Contact Terminates To	Wire & Cable

**Contact Features**

Contact Shape & Form	Square
Contact Mating Area Plating Material	Gold
Contact Type	Socket
Contact Retention Within Housing	With
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material Thickness	.76 – 76 μm[30 μin]
Wire Contact Termination Area Plating Thickness	2.54 μm[100 μin]
Wire Contact Termination Area Plating Material	Tin-Lead
Wire Contact Termination Area Plating Material Finish	Bright
Contact Orientation	Right Angle
Contact Underplating Material	Tin
Contact Size	20

**Termination Features**

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



Carrier Strip Mount Orientation	Side Feed
Contact Retention Type Within Housing	Crimp Snap-In
Wire Insulation Support	With

### Dimensions

Wire Size	.8 – .9 mm <sup>2</sup>
Accepts Wire Insulation Diameter Range	1.14 – 1.83 mm, 1.7 – 2.28 mm [.067 – .09 in]

### Operation/Application

Circuit Application	Signal
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### Packaging Features

Packaging Method	Strip
Packaging Quantity	6000

### Other

Comment	Extraction Tool 59525-1 supports two 22 or two 20 wire combinations, Extraction Tool 90005-1 supports two 20, one 18 or one 20, two 22, or three 22 wire combinations.
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## Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Not Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JAN 2018 (181) 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>

## Documents

### Product Drawings

[AMP BLADE II RECP PLTD 30 DPLX](#)

English

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### Datasheets & Catalog Pages

[Products for Aerospace and Defense](#)

English