

640580-1 ✓ ACTIVE

AMP

TE Internal #: 640580-1

Power Contacts, Contact, 250 VAC, 250 VDC, Tin, 24 – 18 AWG

Wire Size, .12 – .8 mm<sup>2</sup> Wire Size, 236.823 – 1578.82 CMA Wire Size,

Wire-to-Wire

[View on TE.com >](#)



Connectors > Power Connectors > Power Contacts



Power Contact Type: **Contact**

Operating Voltage: **250 VDC**

Contact Mating Area Plating Material: **Tin**

Wire Size: **24 – 18 AWG**

## Features

### Product Type Features

Power Contact Type	Contact
Connector System	Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

### Configuration Features

Number of Positions	1
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### Electrical Characteristics

Operating Voltage	250 VDC
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### Contact Features

Contact Fabrication	Stamped & Formed
Contact Mating Area Plating Material	Tin
Contact Current Rating (Max)	9 A
Contact Type	Pin
Contact Retention Within Housing	With



Mating Pin Diameter	1.45 mm[.057 in]
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Contact Base Material	Phosphor Bronze
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Contact Mating Area Plating Material Thickness	.4 μm[15.75 μin]
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Wire Contact Termination Area Plating Thickness	.4 μm[16 μin]
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Wire Contact Termination Area Plating Material	Tin
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Wire Contact Termination Area Plating Material Finish	Matte
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Contact Orientation	Straight
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### Termination Features

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

Wire Insulation Support	With
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### Dimensions

Wire Size	236.823 – 1578.82 CMA
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Accepts Wire Insulation Diameter Range	.64 – 2.92 mm[.05 – .115 in]
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### Usage Conditions

Operating Temperature Range	-55 – 85 °C[-67 – 185 °F]
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### Operation/Application

Circuit Application	Power & Signal
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### Packaging Features

Packaging Method	Bag
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### Other

Wire/Cable Type	Discrete Wire
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## Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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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
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Halogen Content

Low Halogen - Br, Cl, F, I &lt; 900 ppm per homogenous material. Also BFR/CFR/PVC Free

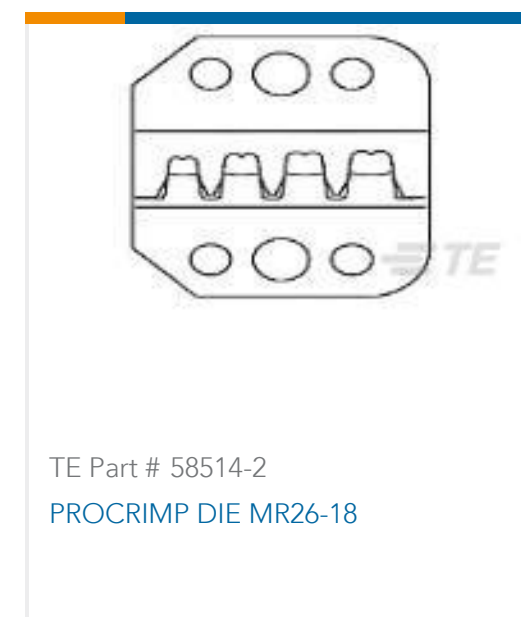
Solder Process Capability

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



## Documents

## Product Drawings

MR SPLIT PIN PTPHBRZ LP 26-18

English

## CAD Files

Customer View Model

[ENG\\_CVM\\_640580-1\\_C.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_640580-1\\_C.3d\\_stp.zip](#)

English

Customer View Model

[ENG\\_CVM\\_640580-1\\_C.2d\\_dxf.zip](#)

English

3D PDF

English

3D PDF



3D

Customer View Model

[ENG\\_CVM\\_CVM\\_640580-1\\_B.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_640580-1\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_640580-1\\_B.3d\\_stp.zip](#)

English

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### Datasheets & Catalog Pages

[SOFT\\_SHELL\\_PIN\\_AND\\_SOCKET\\_CONNECTORS\\_CATALOG](#)

English

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### Product Specifications

[Application Specification](#)

English

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### Agency Approvals

[UL](#)

English