

63663-1 ✓ ACTIVE

## MAG-MATE

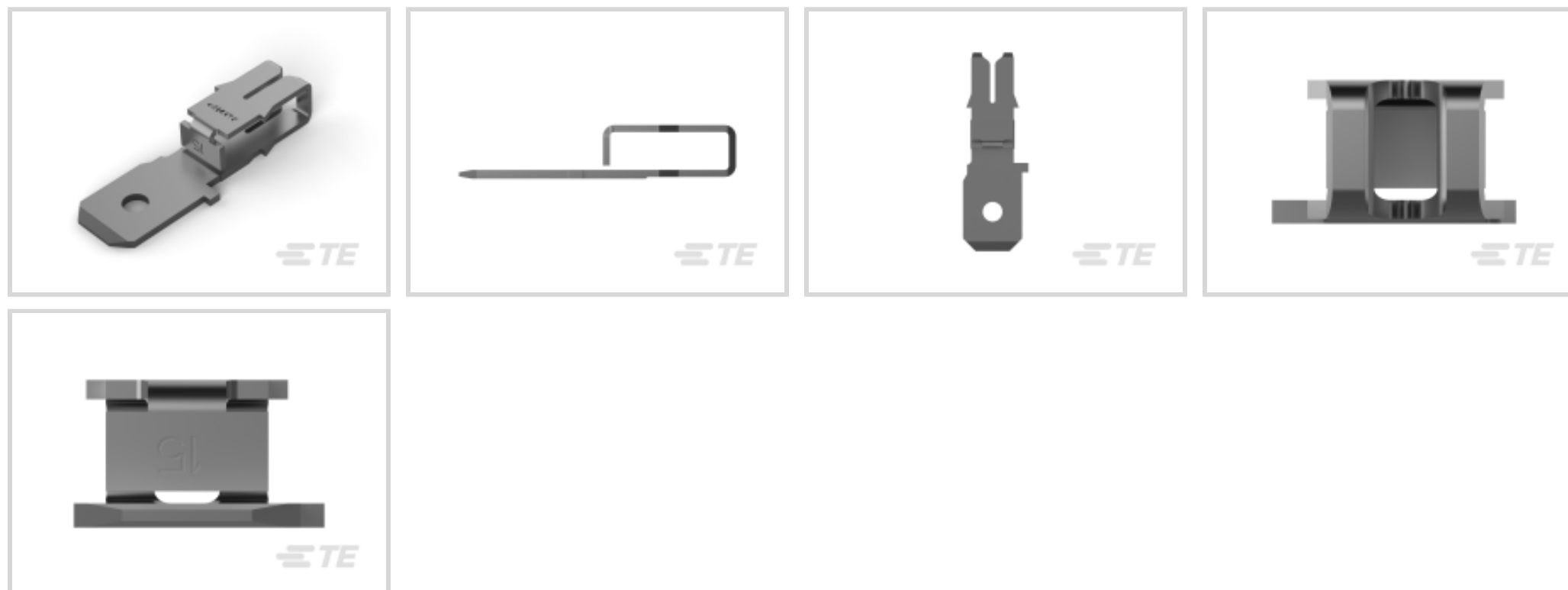
TE Internal #: 63663-1

Magnet Wire Terminals, Tab, Mating Tab Width .188 in [4.78 mm],  
Size 2, 21 – 19 AWG Aluminum Wire, .41 – .65 mm Aluminum Wire,  
MAG-MATE

[View on TE.com >](#)



Terminals & Splices > Magnet Wire Terminals



Magnet Wire Terminal Type: **Tab**

Mating Tab Width: **4.78 mm [ .188 in ]**

Mating Tab Thickness: **.51 mm [ .02 in ]**

Compatible With Cavity Size: **Size 2**

Aluminum Wire Size: **.41 – .65 mm**

### Features

#### Product Type Features

Compatible With Discrete Wire Type	Magnet Wire, Solid
Sealable	No

#### Body Features

Compatible With Cavity Size	Size 2
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#### Contact Features

Magnet Wire Terminal Type	Tab
Mating Tab Width	4.78 mm[.188 in]
Mating Tab Thickness	.51 mm[.02 in]
Terminal Plating Material	Tin
Terminal Orientation	Straight

#### Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)
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#### Mechanical Attachment



Contact Mating Retention Type	Hole
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### Dimensions

Terminal Height	7.68 mm[.3 in]
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Aluminum Wire Size	21 – 19 AWG
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Magnet Wire Size	22 – 20 AWG
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Stock Thickness (Magnet Wire Side)	.41 mm[.016 in]
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Overall Product Length	16 mm[.63 in]
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### Usage Conditions

Insulation Option	Uninsulated
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Operating Temperature Range	-65 – 150 °C[-85 – 302 °F]
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### Operation/Application

Compatible With Wire Base Material	Aluminum, Copper
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### Identification Marking

Identification Number	15
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### Packaging Features

Packaging Quantity	12000
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Packaging Method	Reel, Reel/Carton
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### Other

Comment	After insertion into plastic cavity, tab portion must be bent over 45°-90° or potted in to prevent pullout when mating receptacle is disconnected., Single magnet wire only., Varnish resist coating.
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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: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed
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Halogen Content

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




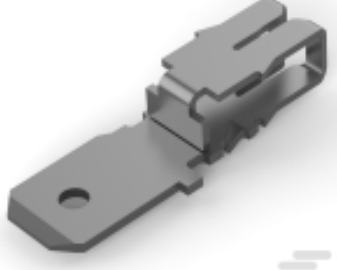
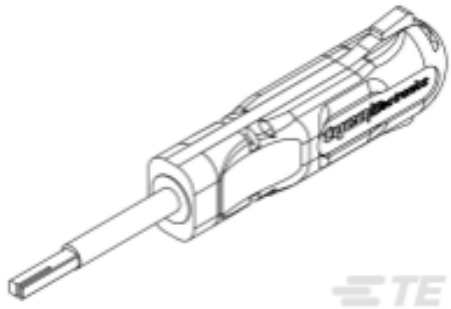
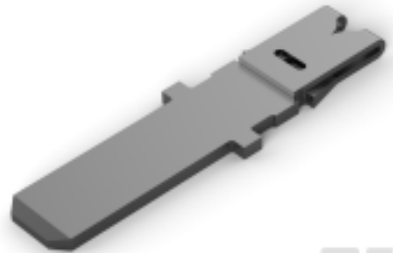


Solder Process Capability

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

 <p>TE Part # 63668-1 MAG-MATE 187 F-TAB TPBR</p>	 <p>TE Part # 63063-2 TAB, MAG-MATE POKEIN 110F TPBR</p>	 <p>TE Part # 63669-1 MAG-MATE 187 F-TAB TPBR</p>	 <p>TE Part # 63713-2 TAB,187 MAG-MATE SLIM LN 082 B</p>
 <p>TE Part # 63486-1 MAG-MATE 110 FAST TAB 020 TPBR</p>	 <p>TE Part # 63340-1 MAG-MATE 187 FTAB #23 TPBR</p>	 <p>TE Part # 1-1579018-9 INSERTION TOOL</p>	 <p>TE Part # 2825386-1 MAG-MATE 22-20 187 FTAB TPBR</p>
 <p>TE Part # 63441-1 MAG-MATE 110 F TAB 32-34 TPBR</p>	 <p>TE Part # 63711-2 TAB 187 MAG-MATE SLIM LN.</p>	 <p>TE Part # 63776-1 TAB,187 FAST MAG-MATE #23 TPBR</p>	 <p>TE Part # 2825062-1 MAG-MATE 22-20 187 FTAB TPBR</p>

Also in the Series | **MAG-MATE**



Insertion &amp; Extraction Tools(8)

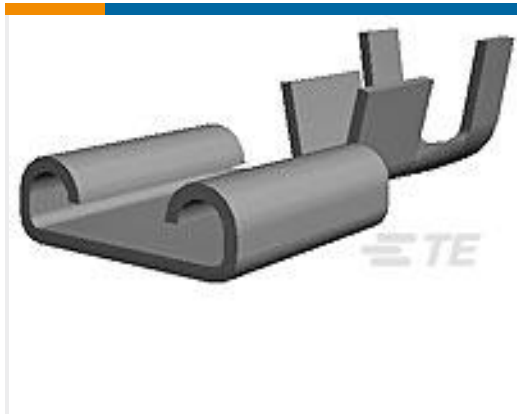
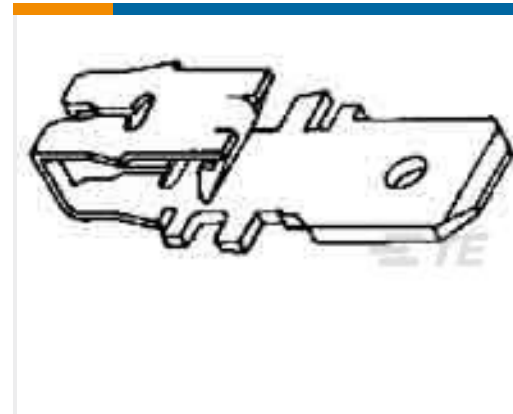


Magnet Wire Terminals(464)



PCB Terminals(1)

## Customers Also Bought

TE Part #5-160432-4  
250 FASTON REC 20-16 AWG TPBRTE Part #173724-1  
187 PL EX REC. 20-14AWG PTBRTE Part #63664-2  
MAG-MATE 27-23 187 FTAB TPBRTE Part #5-177912-1  
POWER D/LOCK CAP HSG 10P NAT (GWT)TE Part #7-1971793-1  
NEW GI CONN2.5 PLUG HSG 7P NCTE Part #63665-1  
MAG-MATE 187 FAST TAB 020TPBRTE Part #316292-2  
3.2 CLUSTER REC L-TYPE

## Documents

### Product Drawings

[MAG-MATE 22-20 187 FTAB TPBR](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_63663-1\\_H.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_63663-1\\_H.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_63663-1\\_H.3d\\_stp.zip](#)

English

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### Datasheets & Catalog Pages

#### Magnet Wire Terminals & Splices

English

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### Product Specifications

#### Application Specification

English

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### Product Environmental Compliance

#### MD\_63663-1\_020120162156\_dmtec

English

#### MD\_63663-1\_020120162156\_dmtec

English