

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

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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: **21 – 19 AWG**

### Features

#### Product Type Features

Compatible With Discrete Wire Type	Magnet Wire, Solid
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#### Body Features

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

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

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

Mating Retention Type	Hole
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#### Dimensions

Terminal Height	7.68 mm[.3 in]
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Aluminum Wire Size	.41 – .65 mm
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Magnet Wire Size	.64 – .81 mm
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Stock Thickness (Magnet Wire Side)	.41 mm[.016 in]
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Product Length	16 mm[.63 in]
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### Usage Conditions

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

### 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
Packaging Method	Reel, Reel/Carton

### Other

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

## Also in the Series | MAG-MATE

Insertion & Extraction Tools(7)	Magnet Wire Terminals(435)	PCB Terminals(1)
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## Customers Also Bought

<p>TE Part #42741-2 250 FASTON,REC.,18-14,TPBR</p>	<p>TE Part #63665-1 MAG-MATE 187 FAST TAB 020TPBR</p>	<p>TE Part #170327-1 250 PL MKII REC. 22-18AWG PTBR</p>	<p>TE Part #1742198-1 250 FASTON,REC.,18-14 AWG,NPST</p>
<p>TE Part #2232343-1 250 PL EX FLAG REC. 18-12AWG PTBR</p>	<p>TE Part #5-177912-1 POWER D/LOCK CAP HSG 10P NAT (GWT)</p>	<p>TE Part #1742203-1 SPEC LEAF CONT,500SER,MAG-MATE</p>	

## Documents

### 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

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

### Datasheets & Catalog Pages

#### Magnet Wire Terminals & Splices

English

### Product Specifications

#### Application Specification

English

### Product Environmental Compliance

[MD\\_63663-1\\_020120162156\\_dmtec](#)

English

[MD\\_63663-1\\_020120162156\\_dmtec](#)

English

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AWG Aluminum Wire, .41 – .65 mm Aluminum Wire, MAG-MATE

