

62431-1 ✓ ACTIVE

## MAG-MATE

TE Internal #: 62431-1

Magnet Wire Terminals, Poke-In, Size 2, 31 – 28 AWG Aluminum Wire, .23 – .32 mm Aluminum Wire, Lead Wire Size 20 – 18 AWG, MAG-MATE

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Terminals & Splices > Magnet Wire Terminals



Magnet Wire Terminal Type: **Poke-In**

Compatible With Cavity Size: **Size 2**

Aluminum Wire Size: **31 – 28 AWG**

Lead Wire Size: **20 – 18 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	Poke-In
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Terminal Plating Material	Tin
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Terminal Orientation	Twisted
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#### Termination Features

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

Contact Mating Retention Type	Locking
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#### Dimensions

Aluminum Magnet Wire Size	31 – 29 AWG
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Terminal Height	7.87 mm[.31 in]
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Aluminum Wire Size	31 – 28 AWG
Lead Wire Size	.5 – .9 mm <sup>2</sup>
Magnet Wire Size	33 – 31 AWG
Stock Thickness (Magnet Wire Side)	.25 mm[.009 in]
Overall Product Length	3.43 mm[.135 in]

### Usage Conditions

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

### Operation/Application

Compatible With Wire Base Material	Copper
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### Identification Marking

Identification Number	4
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### Packaging Features

Packaging Quantity	12000
Packaging Method	Reel, Reel/Carton

### Other

Comment	Solid or overcoated stranded lead wire only., Two magnet wires may be terminated in the same terminal slot if diameters are equal.
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## Product Compliance

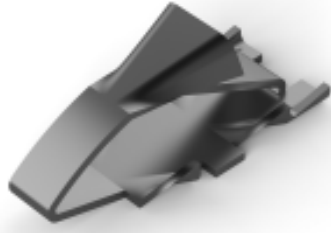

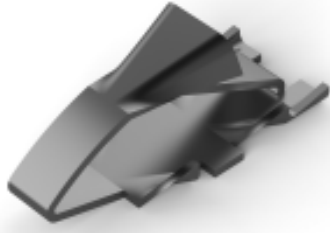
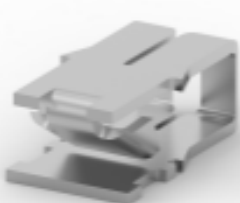
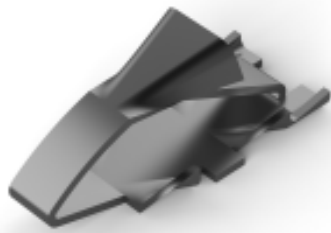


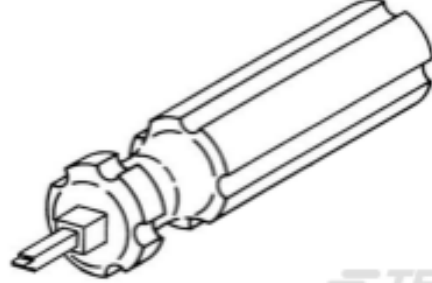
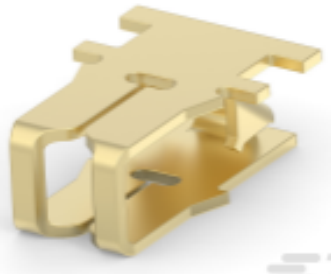

[For compliance documentation, visit the product page on TE.com>](#)

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 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed
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 # 62781-1 MINI MAG-MATE 42-52 010 TPBR</p>	 <p>TE Part # 1742379-1 TERMINAL,POKE-IN,MAG-MATE</p>	 <p>TE Part # 62781-3 TERM MAG-MATE MINI 42-52 TPBR</p>	 <p>TE Part # 2825380-1 MAG-MATE TERM 20-22 016 TPBR</p>
 <p>TE Part # 62781-2 TERM MAG-MATE MINI 42-52 TPBR</p>	 <p>TE Part # 1-62429-2 MAG-MATE TERM 27-30 013TPBR</p>	 <p>TE Part # 160899-2 MAG-MATE POKE-IN</p>	 <p>TE Part # 274250-2 INSERTION TOOL</p>
 <p>TE Part # 62429-4 MAG-MATE TERM 27-30 013BR</p>	 <p>TE Part # 62431-6 TERM,POKE-IN,31-33 MAG-MATE</p>		

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



Insertion &amp; Extraction Tools(8)

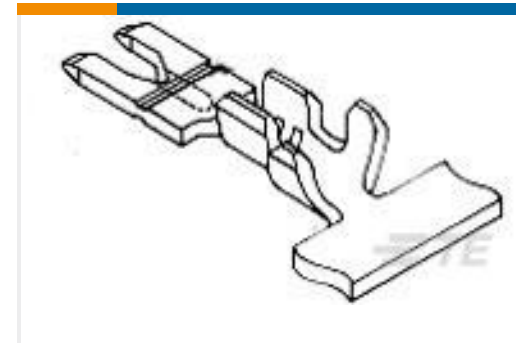


Magnet Wire Terminals(464)



PCB Terminals(1)

## Customers Also Bought

TE Part #175193-1  
187 PL EX FLAG REC. 22-16AWG PTBRTE Part #62833-1  
MAG-MATE POKE-IN TERM 016TPBRTE Part #62935-1  
MAG-MATE TERM 27-23 016 TPBRTE Part #964290-1  
POKE-IN FLA-STECKERTE Part #1394759-1  
MAG MATE CONT.MKIITE Part #964339-1  
MAG MATE KONT. MKIITE Part #293041-1  
FF 250 TAB 0.35-1.0MM2 BRTE Part #1599107-1  
CLUSTER TERMINAL REC,.090 DIATE Part #9-829327-4  
ID POKE IN TAB CONN.3P

## Documents

### CAD Files

[3D PDF](#)

[3D](#)

### Customer View Model

[ENG\\_CVM\\_CVM\\_62431-1\\_BZ.2d\\_dxf.zip](#)

English

### Customer View Model

[ENG\\_CVM\\_CVM\\_62431-1\\_BZ.3d\\_igs.zip](#)



English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_62431-1\\_BZ.3d\\_stp.zip](#)

English

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

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**Datasheets & Catalog Pages**

[Magnet Wire Terminals & Splices](#)

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**Product Specifications**

[Application Specification](#)

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**Product Environmental Compliance**

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