



MAG-MATE

TE Internal #: 62780-1  
Magnet Wire Terminals, Poke-In, Mating Tab Width .253 in [6.43 mm], Special, Lead Wire Size 22 - 18 AWG, Lead Wire Size .3 - .9 mm², MAG-MATE

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Terminals & Splices > Magnet Wire Terminals



Magnet Wire Terminal Type: **Poke-In**  
Mating Tab Width: **6.43 mm [ .253 in ]**  
Mating Tab Thickness: **.83 mm [ .033 in ]**  
Compatible With Cavity Size: **Special**  
Lead Wire Size: **22 - 18 AWG**

Features

Product Type Features

|                                    |                    |
|------------------------------------|--------------------|
| Compatible With Discrete Wire Type | Magnet Wire, Solid |
|------------------------------------|--------------------|

Body Features

|                             |         |
|-----------------------------|---------|
| Compatible With Cavity Size | Special |
|-----------------------------|---------|

Contact Features

|                           |                  |
|---------------------------|------------------|
| Magnet Wire Terminal Type | Poke-In          |
| Mating Tab Width          | 6.43 mm[.253 in] |
| Mating Tab Thickness      | .83 mm[.033 in]  |
| Terminal Plating Material | Tin              |
| Terminal Orientation      | Straight         |

Termination Features

|                                    |                               |
|------------------------------------|-------------------------------|
| Termination Method to Wire & Cable | Insulation Displacement (IDC) |
|------------------------------------|-------------------------------|

Mechanical Attachment

|                       |        |
|-----------------------|--------|
| Mating Retention Type | Dimple |
|-----------------------|--------|



Dimensions

|                                    |                         |
|------------------------------------|-------------------------|
| Terminal Height                    | 8.76 mm[.345 in]        |
| Lead Wire Size                     | .3 - .9 mm <sup>2</sup> |
| Magnet Wire Size                   | .05 - .13 mm            |
| Stock Thickness (Magnet Wire Side) | .25 mm[.01 in]          |
| Product Length                     | 8.78 mm[.345 in]        |

Usage Conditions

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

Operation/Application

|                                    |        |
|------------------------------------|--------|
| Compatible With Wire Base Material | Copper |
|------------------------------------|--------|

Identification Marking

|                       |    |
|-----------------------|----|
| Identification Number | 10 |
|-----------------------|----|

Packaging Features

|                    |                   |
|--------------------|-------------------|
| Packaging Quantity | 5000              |
| Packaging Method   | Reel, Reel/Carton |

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: JAN 2024 (240)<br>Candidate List Declared Against: JAN 2024 (240)<br>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

|                                                        |                                                       |                                                         |                                                       |
|--------------------------------------------------------|-------------------------------------------------------|---------------------------------------------------------|-------------------------------------------------------|
| <br>TE Part # 62897-1<br>MAG-MATE POKE-IN TAB 020 TPBR | <br>TE Part # 62781-1<br>MINI MAG-MATE 42-52 010 TPBR | <br>TE Part # 63613-1<br>MINI MAG-MATE 42-52 010 TPBR   | <br>TE Part # 1217529-1<br>MINI MAG-MATE 187 TAB      |
| <br>TE Part # 62781-3<br>TERM MAG-MATE MINI 42-52 TPBR | <br>TE Part # 62606-1<br>MINI MAG-MATE 30-38 010 TPBR | <br>TE Part # 62781-2<br>TERM MAG-MATE MINI 42-52 TPBR  | <br>TE Part # 62938-1<br>MAG-MATE POST 33-31 010 TPBR |
| <br>TE Part # 62895-1<br>MAG-MATE POKE-IN TAB 018 TPBR | <br>TE Part # 1217457-1<br>RECEPT. TAB, MAG-MATE      | <br>TE Part # 62655-1<br>MAG-MATE 250FTAB 32-31 010TPBR |                                                       |

Also in the Series | MAG-MATE

|                                     |                                |                      |
|-------------------------------------|--------------------------------|----------------------|
| <br>Insertion & Extraction Tools(6) | <br>Magnet Wire Terminals(337) | <br>PCB Terminals(1) |
|-------------------------------------|--------------------------------|----------------------|

Customers Also Bought



TE Part # 62612-2

RING .164 12-10 AWG 0245 TPCRS

TE Part # 1-174712-1

187 HSG. PL MKII REC. 6.65mm 2P NAT

TE Part # 4-1601009-4

PC TAB STANDARD SIAMEZE

TE Part # 62194-2

MIN AMVAR SPLC 016TPBR

TE Part # 170325-5

187 PL MKII REC. 20-16AWG PTBR

TE Part # 62935-1

MAG-MATE TERM 27-23 016 TPBR

TE Part # 62304-2

AMVAR SPLC 600-3000 020TPBR

TE Part # 1983780-1

NG GIC 3.3 REC CONTACT TIN PLATE

TE Part # 2366999-1

Nano MAG-MATE terminals

Documents

Product Drawings

MINI MAG-MATE 36-44 010 TPBR

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_62780-1\_AT.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_62780-1\_AT.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_62780-1\_AT.3d\_stp.zip

English

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Datasheets & Catalog Pages



Magnet Wire Terminals & Splices

English

Product Specifications

Application Specification

English