



**MAG-MATE**

TE Internal #: 1742897-1

Magnet Wire Terminals, Poke-In, Mating Tab Width .135 in [3.43 mm], 22 – 18 AWG Magnet Wire, .64 – 1.02 mm Magnet Wire, MAG-MATE

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Terminals & Splices > Magnet Wire Terminals



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

Mating Tab Width: **3.43 mm [ .135 in ]**

Mating Tab Thickness: **.46 mm [ .018 in ]**

Accepts Wire Insulation Diameter (Max): **2.54 mm [ .1 in ]**

Accepts Wire Insulation Diameter Range: **1.52 – 2.54 mm [ .06 – .1 in ]**

**Features**

**Product Type Features**

|                                    |                 |
|------------------------------------|-----------------|
| Compatible With Discrete Wire Type | Solid, Stranded |
| Sealable                           | No              |

**Configuration Features**

|                                   |               |
|-----------------------------------|---------------|
| Compatible With Wire & Cable Type | Discrete Wire |
|-----------------------------------|---------------|

**Contact Features**

|                           |                  |
|---------------------------|------------------|
| Magnet Wire Terminal Type | Poke-In          |
| Mating Tab Width          | 3.43 mm[.135 in] |
| Mating Tab Thickness      | .46 mm[.018 in]  |
| Terminal Plating Material | Tin              |
| Terminal Orientation      | Flag             |

**Termination Features**

|                                    |                                      |
|------------------------------------|--------------------------------------|
| Termination Method to Wire & Cable | Crimp, Insulation Displacement (IDC) |
| Crimp Area Length                  | 5.96 mm[.235 in]                     |



### Mechanical Attachment

|                         |      |
|-------------------------|------|
| Wire Insulation Support | With |
|-------------------------|------|

### Dimensions

|  |                             |
|--|-----------------------------|
| Terminal Height                        | 16 mm[.63 in]               |
| Accepts Wire Insulation Diameter (Max) | 2.54 mm[.1 in]              |
| Accepts Wire Insulation Diameter Range | 1.52 – 2.54 mm[.06 – .1 in] |
| Magnet Wire Size                       | .64 – 1.02 mm               |
| Stock Thickness (Magnet Wire Side)     | .46 mm[.018 in]             |
| Overall Product Length                 | 12.52 mm[.493 in]           |

### Usage Conditions

|                   |             |
|-------------------|-------------|
| Insulation Option | Uninsulated |
|-------------------|-------------|

### Operation/Application

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

### Packaging Features

|                  |             |
|------------------|-------------|
| Packaging Method | Reel/Carton |
|------------------|-------------|

## Product Compliance

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







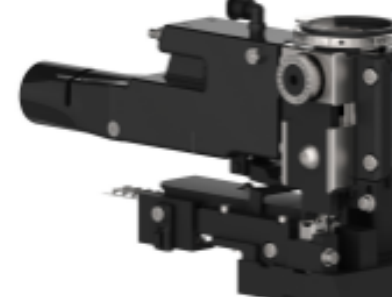




|   |   |
|---|---|
| EU RoHS Directive 2011/65/EU                  | Compliant   |
| EU ELV Directive 2000/53/EC                   | Compliant   |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold   |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2022 (224)<br>Candidate List Declared Against: JUNE 2022 (224)<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 reviewed 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 # 2305570-1<br/>Strip Terminal Cutter-Side Feed-No Crimp</p> |  <p>TE Part # 63218-1<br/>MAG-MATE POKE-IN TAB 018PTPBR</p>         |  <p>TE Part # 63364-1<br/>MAG-MATE TAB 22-18 018PTPBR</p>   |  <p>TE Part # 1599986-1<br/>MAG MATE POKE-IN DUAL TAB</p>         |
|  <p>TE Part # 1217470-1<br/>TAB MAG-MATE POKE-IN 22-18</p>             |  <p>TE Part # 2-2151116-1<br/>OCEAN_2.0_Applicator-S-090F140F</p> |  <p>TE Part # 2-2151116-2<br/>OCEAN_2.0_Applicator-S-090F140F</p>   |  <p>TE Part # 2151116-1<br/>OCEAN_2.0_Applicator-S-090F140F</p> |
|  <p>TE Part # 2151116-2<br/>OCEAN_2.0_Applicator-S-090F140F</p>        |  <p>TE Part # 2312000-1<br/>TAB,POKE-IN,MAG-MATE</p>              |  <p><b>KIT</b><br/>REPRESENTATION ONLY</p> <p>TE Part # 7-2151116-7<br/>OCEAN_2.0_SPARE_PART_KIT-090F140F</p> |  |

## Also in the Series | MAG-MATE

|  |   |   |
|--|---|---|
|  <p>Insertion &amp; Extraction Tools(7)</p> |  <p>Magnet Wire Terminals(462)</p> |  <p>PCB Terminals(1)</p> |
|--|---|---|

## Documents



## Product Drawings

### MAG-MATE POKE-IN TAB 018 PTPBR

English

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## CAD Files

### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1742897-1\\_B.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1742897-1\\_B.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1742897-1\\_B.3d\\_stp.zip](#)

English

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## Product Specifications

### Product Specification

English

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## Product Environmental Compliance

[MD\\_1742897-1\\_0721201633\\_dmtec](#)

English

[MD\\_1742897-1\\_0721201633\\_dmtec](#)

English