

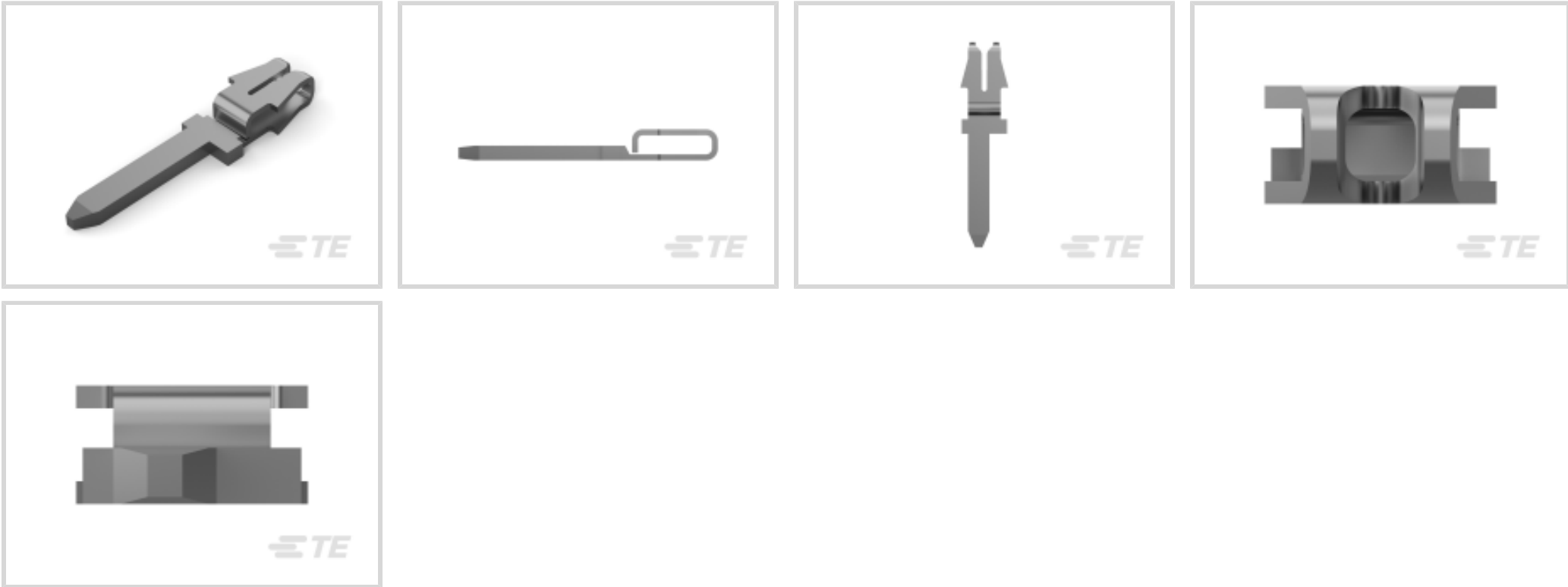


MAG-MATE

TE Internal #: 1217641-1  
Magnet Wire Terminals, Tab, Mating Tab Width .059 in [1.5 mm],  
Size 1, .36 – .45 mm Magnet Wire, 27 – 25 AWG Magnet Wire,  
MAG-MATE

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Terminals & Splices > Magnet Wire Terminals



Magnet Wire Terminal Type: **Tab**  
Mating Tab Width: **1.5 mm [ .059 in ]**  
Mating Tab Thickness: **.81 mm [ .032 in ]**  
Compatible With Cavity Size: **Size 1**  
Magnet Wire Size: **27 – 25 AWG**

Features

Product Type Features

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

Body Features

|                             |        |
|-----------------------------|--------|
| Compatible With Cavity Size | Size 1 |
|-----------------------------|--------|

Contact Features

|                           |                 |
|---------------------------|-----------------|
| Magnet Wire Terminal Type | Tab             |
| Mating Tab Width          | 1.5 mm[.059 in] |
| Mating Tab Thickness      | .81 mm[.032 in] |
| Terminal Plating Material | Tin             |
| Terminal Orientation      | Right Hand      |

Termination Features

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

Dimensions

|                 |                  |
|-----------------|------------------|
| Terminal Height | 4.75 mm[.187 in] |
|-----------------|------------------|



|                                    |                   |
|------------------------------------|-------------------|
| Magnet Wire Size                   | .36 – .45 mm      |
| Stock Thickness (Magnet Wire Side) | .32 mm[.013 in]   |
| Product Length                     | 14.36 mm[.565 in] |

Usage Conditions

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

Operation/Application

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

Packaging Features

|                  |                   |
|------------------|-------------------|
| 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 # 1742941-1<br>MAG-MATE SLIM LINE POSTED TPBR        | <br>TE Part # 63856-2<br>TERMINAL, F-CRIMP, MAG-MATE      | <br>TE Part # 1217642-1<br>TAB, 059 SERIES, L.H. MAG-MATE | <br>TE Part # 1742474-1<br>TAB,.187 FASTON,MAG-MATE       |
| <br>TE Part # 1534682-1<br>MAG-MATE CONTACT .187,WITH SOLDER PIN | <br>TE Part # 160809-2<br>MAG-MATE WITH TAB               | <br>TE Part # 1217013-1<br>TAB, 059 MAG-MATE TPBR         | <br>TE Part # 1217459-1<br>TAB, MAG-MATE 059 X 032,RH 187 |
| <br>TE Part # 1217460-1<br>TAB, MAG-MATE 059 X 032,LH 187        | <br>TE Part # 1217666-1<br>TAB,187 FASTON,MAG-MATE SLM LN | <br>TE Part # 1217886-1<br>TAB,059 SERIES,LH,MAG MATE     | <br>TE Part # 1217887-1<br>TAB,059 SERIES,RH,MAG MATE     |
| <br>TE Part # 1217993-1<br>TAB,187X032 FASTON,MAG-MATE           | <br>TE Part # 63903-1<br>MAG-MATE SLIM LINE POSTED TPBR   |                                                           |                                                           |

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

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

Customers Also Bought



Documents

Product Drawings

[TAB, 059 SERIES, R.H. MAG-MATE](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1217641-1\\_C.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1217641-1\\_C.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1217641-1\\_C.3d\\_stp.zip](#)

English

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Datasheets & Catalog Pages

[Magnet Wire Terminals & Splices](#)

English

Product Specifications

[Application Specification](#)

English