

63856-1 ✓ ACTIVE

## MAG-MATE

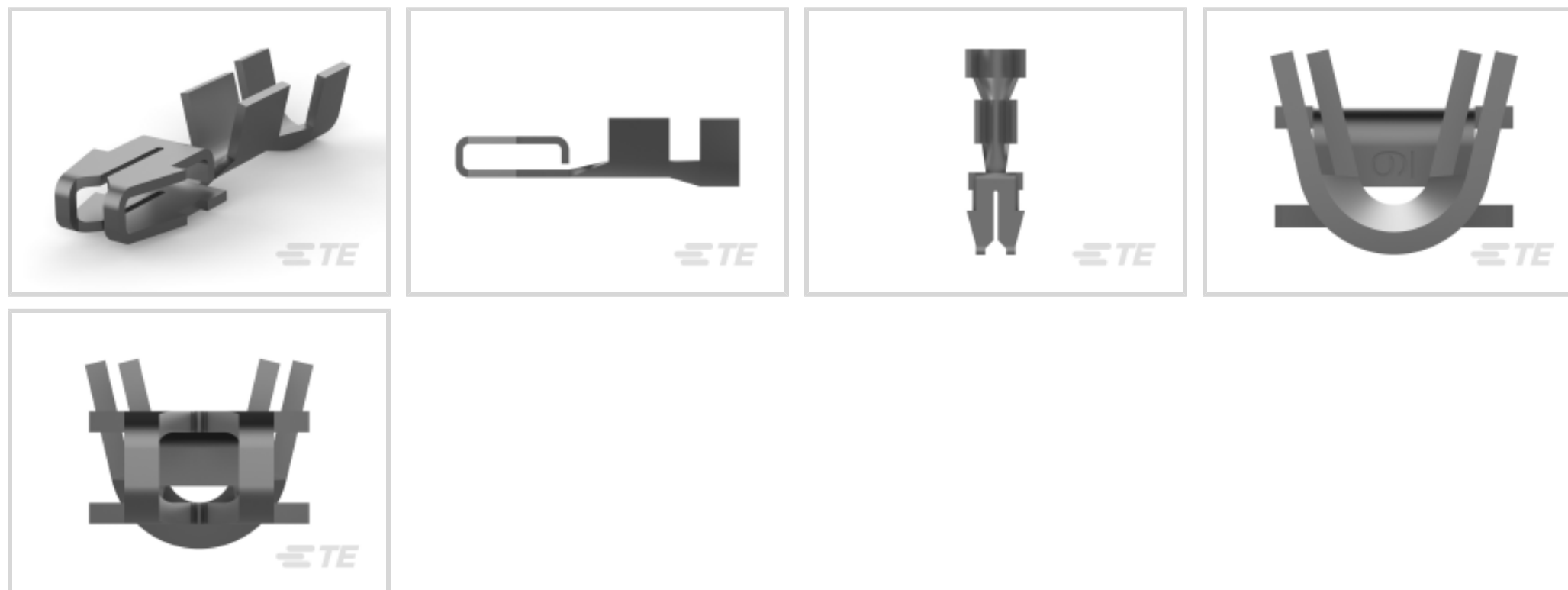
TE Internal #: 63856-1

Magnet Wire Terminals, F-Crimp, Size 1, Lead Wire Size 22 – 18 AWG, Lead Wire Size .3 – .8 mm<sup>2</sup>, 27 – 25 AWG Magnet Wire, MAG-MATE

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Terminals & Splices > Magnet Wire Terminals



Magnet Wire Terminal Type: **F-Crimp**

Compatible With Cavity Size: **Size 1**

Accepts Wire Insulation Diameter (Max): **2.23 mm [ .088 in ]**

Accepts Wire Insulation Diameter Range: **1.8 – 2.23 mm [ .071 – .088 in ]**

Lead Wire Size: **.3 – .8 mm<sup>2</sup>**

### Features

#### Product Type Features

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

#### Body Features

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

#### Contact Features

|                               |          |
|-------------------------------|----------|
| Magnet Wire Terminal Type     | F-Crimp  |
| Terminal Plating Material     | Tin      |
| Contact Underplating Material | Copper   |
| Terminal Orientation          | Straight |

#### Termination Features

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

#### Mechanical Attachment

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



### Dimensions

|  |                               |
|--|-------------------------------|
| Terminal Height                        | 4.75 mm[.187 in]              |
| Accepts Wire Insulation Diameter (Max) | 2.23 mm[.088 in]              |
| Accepts Wire Insulation Diameter Range | 1.8 – 2.23 mm[.071 – .088 in] |
| Lead Wire Size                         | 22 – 18 AWG                   |
| Magnet Wire Size                       | .36 – .45 mm                  |
| Stock Thickness (Magnet Wire Side)     | .33 mm[.013 in]               |
| Overall Product Length                 | 11.86 mm[.466 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 |
|------------------|-------------------|

### Other

|         |   |
|---------|---|
| Comment | Stranded, fused stranded or solid lead wire, Two magnet wires may be terminated in the same terminal slot if diameters are equal. |
|---------|---|

### 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 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 # 1217146-1<br/>TERMINAL, F-CRIMP MAG-MATE</p>     |  <p>TE Part # 63856-2<br/>TERMINAL, F-CRIMP, MAG-MATE</p>      |  <p>TE Part # 62609-1<br/>MAG-MATE W/BBL 27-25 013 TPBR</p>                   |  <p>TE Part # 63039-1<br/>MAG-MATE W/BBL 33-31 010TPBR</p>  |
|  <p>TE Part # 1217459-1<br/>TAB, MAG-MATE 059 X 032,RH 187</p> |  <p>TE Part # 1217460-1<br/>TAB, MAG-MATE 059 X 032,LH 187</p> |  <p>TE Part # 1740698-2<br/>MAG-MATE TERMINAL W.<br/>EXTENDED LEAF-SPRING</p> |  <p>TE Part # 62610-1<br/>MAG-MATE W/BBL 24-22 013 TPBR</p> |
|  <p>TE Part # 63036-1<br/>MAG-MATE W/BBL 30-28 013TPBR</p>     |  <p>TE Part # 63235-1<br/>MAG-MATE F CRMP 31-33 0126TPBR</p>   |  <p>TE Part # 63237-1<br/>MAG-MATE F CRMP 24-27 0126TPBR</p>                  |  |

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



Insertion &amp; Extraction Tools(7)



Magnet Wire Terminals(462)



PCB Terminals(1)

## Documents

### Product Drawings

[TERM MAG-MATE F-CRIMP 0126TPBR](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_63856-1\\_G.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_63856-1\\_G.3d\\_igs.zip](#)

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Customer View Model

[ENG\\_CVM\\_CVM\\_63856-1\\_G.3d\\_stp.zip](#)

English

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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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