

63856-1 ✓ ACTIVE

MAG-MATE | MAG-MATE 187

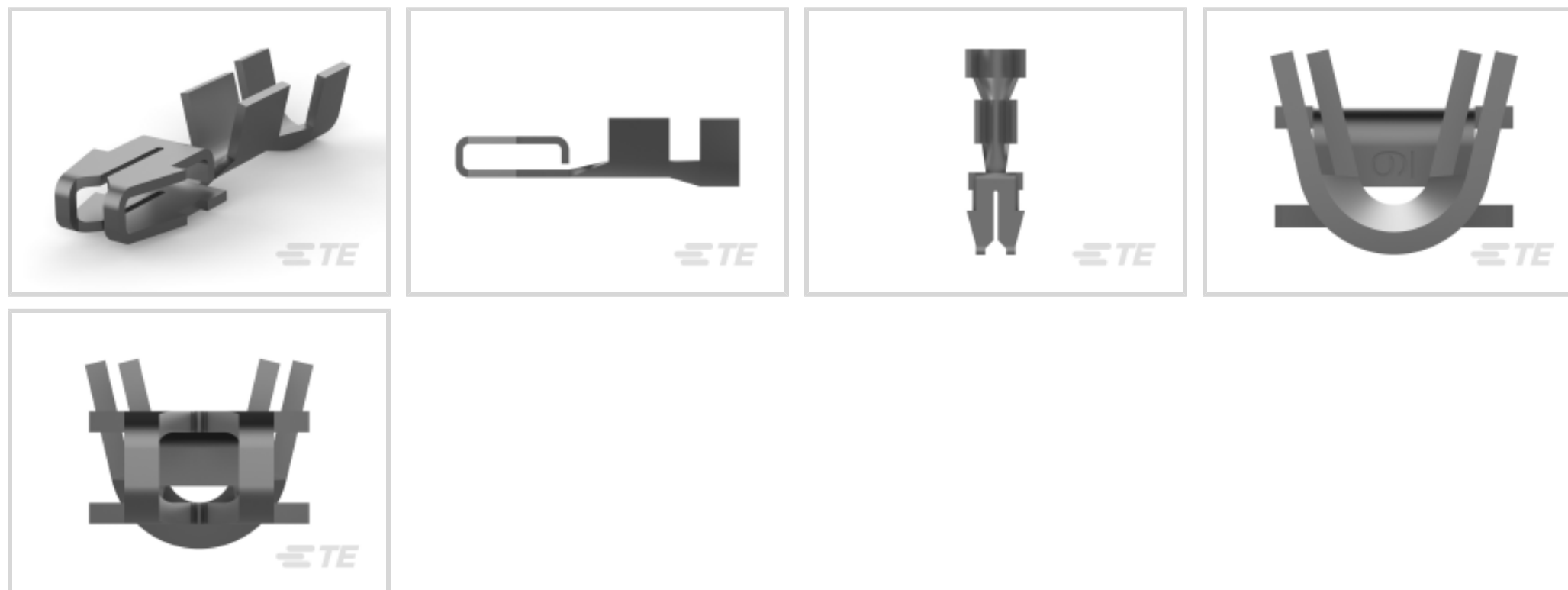
TE Internal #: 63856-1

Magnet Wire Terminals, F-Crimp, Size 1, Lead Wire Size 22 – 18 AWG, Lead Wire Size .3 – .8 mm<sup>2</sup>, .36 – .45 mm Magnet Wire, MAG-MATE 187

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Terminals & Splices > Magnet Wire Terminals



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

Compatible With Cavity Size: **Size 1**

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

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

Lead Wire Size: **22 – 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 1
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### Contact Features

Magnet Wire Terminal Type	F-Crimp
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Terminal Plating Material	Tin
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Contact Underplating Material	Copper
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Terminal Orientation	Straight
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### Termination Features

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

Wire Insulation Support	With
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### Dimensions



Terminal Height	4.75 mm[.187 in]
Compatible Insulation Diameter (Max)	2.23 mm[.088 in]
Compatible Insulation Diameter Range	1.8 – 2.23 mm[.071 – .088 in]
Lead Wire Size	.3 – .8 mm <sup>2</sup>
Magnet Wire Size	.36 – .45 mm
Stock Thickness (Magnet Wire Side)	.33 mm[.013 in]
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
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### Packaging Features

Packaging Method	Reel, Reel/Carton
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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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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>

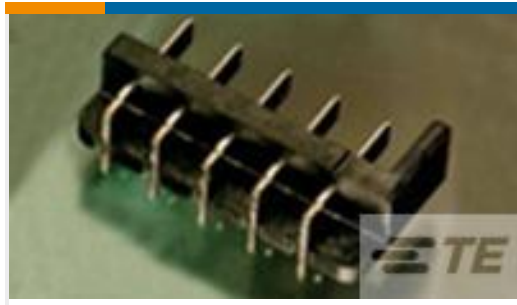
## Compatible Parts



## Also in the Series | **MAG-MATE 187**



## Customers Also Bought



TE Part #5787246-1  
HDR ASY,RA,LKEY,STR TAIL,10.8V



TE Part #NB-PTCO-189  
Pt1000, 1.2x4.0, Class C,  
PTFM102C1G0



TE Part #2120743-2  
MAG-MATE Slim Line with Multispring



TE Part #1247001-3  
MAGMATE "300 SERIES" WITH  
MULTISPRING

## 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](#)

English

Customer View Model

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

English

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

### Datasheets & Catalog Pages

[Magnet Wire Terminals & Splices](#)

English

### Product Specifications

[Application Specification](#)

English