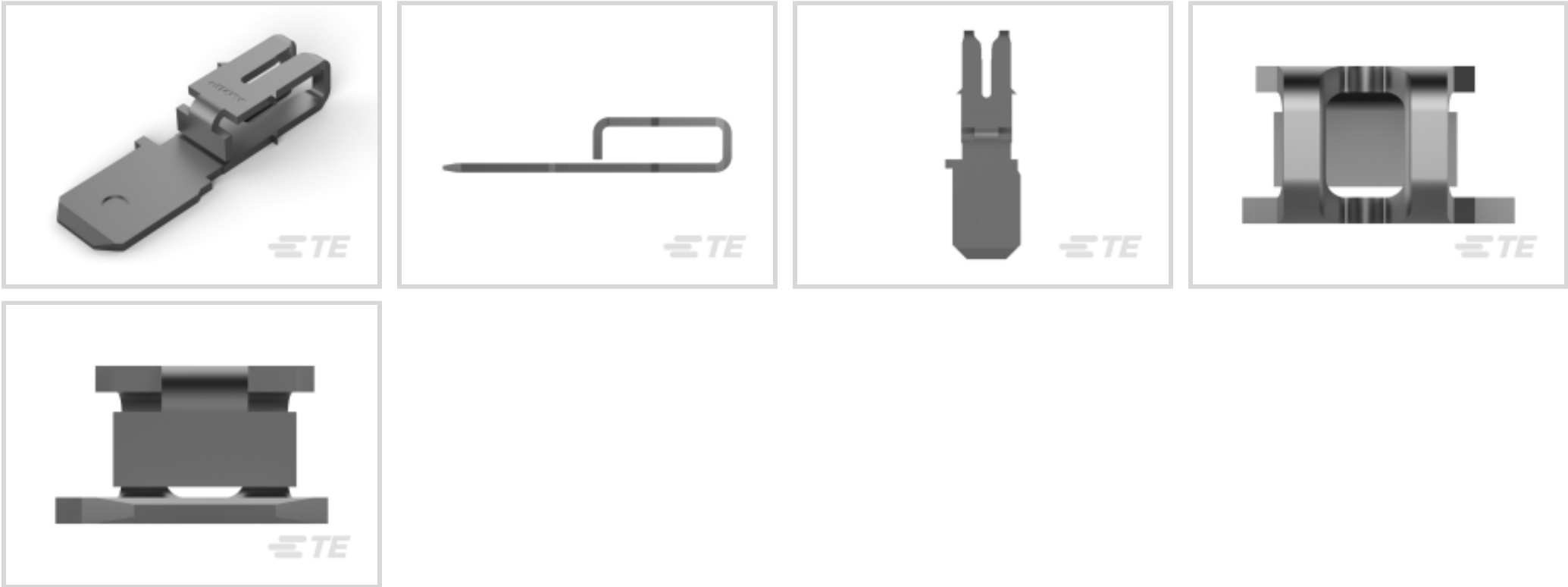




Terminals & Splices > Magnet Wire Terminals



Magnet Wire Terminal Type: **Tab**  
Mating Tab Width: **4.75 mm [.187 in]**  
Mating Tab Thickness: **.51 mm [.02 in]**  
Compatible With Cavity Size: **Size 2**  
Aluminum Wire Size: **.82 – 1.17 mm**

Features

Identification Marking

|                       |    |
|-----------------------|----|
| Identification Number | 24 |
|-----------------------|----|

Usage Conditions

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

Packaging Features

|                    |                   |
|--------------------|-------------------|
| Packaging Quantity | 12000             |
| Packaging Method   | Reel, Reel/Carton |

Dimensions

|                                    |                |
|------------------------------------|----------------|
| Terminal Height                    | 7.68 mm[.3 in] |
| Aluminum Wire Size                 | 18 – 16.5 AWG  |
| Magnet Wire Size                   | .91 – 1.15 mm  |
| Stock Thickness (Magnet Wire Side) | .51 mm[.02 in] |
| Product Length                     | 16 mm[.63 in]  |



Product Type Features

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

Body Features

|                             |        |
|-----------------------------|--------|
| Compatible With Cavity Size | Size 2 |
|-----------------------------|--------|

Contact Features

|                           |                  |
|---------------------------|------------------|
| Magnet Wire Terminal Type | Tab              |
| Mating Tab Width          | 4.75 mm[.187 in] |
| Mating Tab Thickness      | .51 mm[.02 in]   |
| Terminal Plating Material | Tin              |
| Terminal Orientation      | Straight         |

Termination Features

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

Mechanical Attachment

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

Operation/Application

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

Other

|                    |           |
|--------------------|-----------|
| EU RoHS Compliance | Compliant |
| EU ELV Compliance  | Compliant |

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 2024 (241)<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>

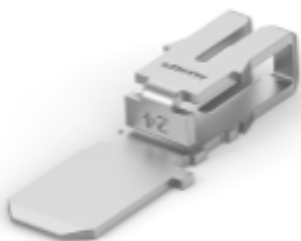
Compatible Parts

|                                                        |                                                        |                                                         |                                                         |
|--------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| <br>TE Part # 63972-1<br>MAG-MATE 118 TAB MTA TPBR     | <br>TE Part # 1742159-1<br>TERMINAL,SPLICE, MAG-MATE   | <br>TE Part # 1742242-1<br>TAB,187 FASTON,LP,MAG-MATE   | <br>TE Part # 63018-1<br>MAG-MATE W/187 FTAB 33-31 TPBR |
| <br>TE Part # 62512-1<br>MAG-MATE 30-27 187 F TAB TPBR | <br>TE Part # 62511-1<br>MAG-MATE 22-20 187 F TAB TPBR | <br>TE Part # 63145-1<br>MAG-MATE 110 TAB 17-19 020TPBR | <br>TE Part # 62514-1<br>MAG-MATE 27-23 187 F TAB TPBR  |
| <br>TE Part # 63461-1<br>MAG-MATE 187 F TAB 27-23 TPBR | <br>TE Part # 63782-1<br>TAB,187 FAST MAG-MATE 020TPBR | <br>TE Part # 63746-1<br>MAG-MATE 110 F TAB 27-23 TPBR  | <br>TE Part # 1742159-2<br>TERM,SPLICE,MAG-MATE         |





TE Part # 62511-2  
MAG-MATE 22-20 187 F TAB TPBR



TE Part # 63829-1  
TERM MAG-MATE 187 FTAB 020TPBR



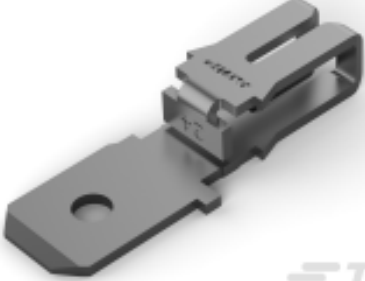
TE Part # 63511-1  
MAG-MATE 187 FAST TAB 020TPBR



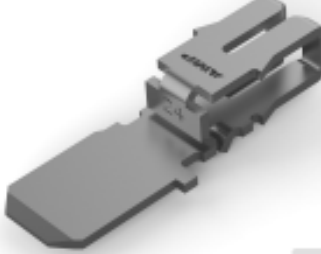
TE Part # 1742160-1  
TAB,187 FASTON,MAG-MATE



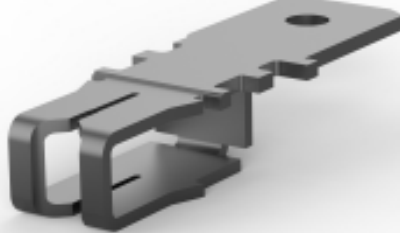
TE Part # 2328510-1  
300BOX MAG-MATE TERMINAL WITH 187 TAB



TE Part # 63665-1  
MAG-MATE 187 FAST TAB 020TPBR

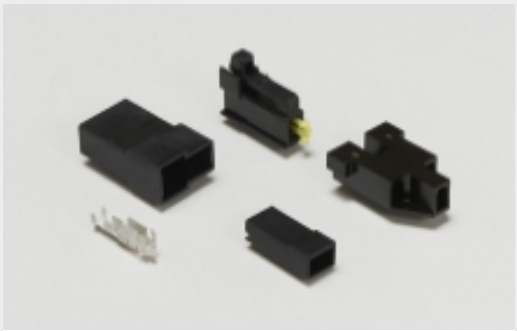


TE Part # 62888-2  
MAG-MATE 187 TAB 020 TPBR



TE Part # 63585-1  
MAG-MATE 27-23 187 F TAB TPBR

Also in the Series | **MAG-MATE 300**



Magnet Wire Terminals(78)

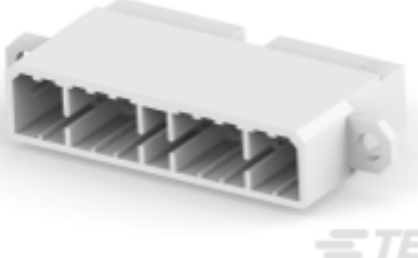
Customers Also Bought



TE Part #51992-3  
TERMINAL,COPALUM R 3/0 1/2



TE Part #51995-2  
TERMINAL,COPALUM R 4/0 1/2



TE Part #172517-1  
21P CAP HSG MK-II W/FLANGE



TE Part #174175-1  
MIC MARK II 21P MARKING

Documents

Product Drawings  
MAG-MATE 187 FAST TAB 020TPBR

English

CAD Files  
3D PDF

3D



Customer View Model

[ENG\\_CVM\\_CVM\\_63273-1\\_AB.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_63273-1\\_AB.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_63273-1\\_AB.3d\\_stp.zip](#)

English

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Datasheets & Catalog Pages

[Magnet Wire Terminals & Splices](#)

English

Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL Report](#)

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