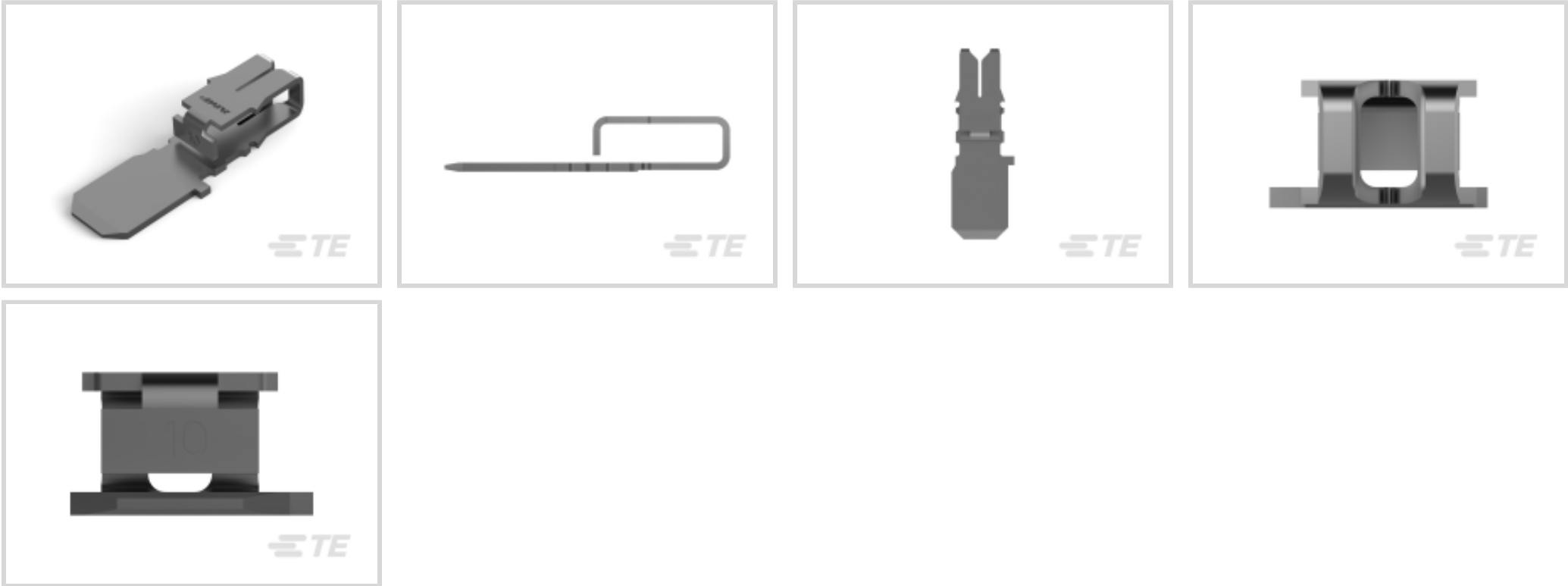


MAG-MATE

TE Internal #: 62514-2  
MAG-MATE, Magnet Wire Terminals, Tab, Tab, Magnet Wire  
Terminal Mating Tab Width 4.75 mm [.187 in]  
[View on TE.com >](#)



Terminals & Splices > Magnet Wire Terminals



Terminal & Splice Type: **Tab**  
Magnet Wire Terminal Terminal Type: **Tab**  
Magnet Wire Terminal Mating Tab Width: **4.75 mm [.187 in]**  
Magnet Wire Terminal Mating Tab Thickness: **.51 mm [.02 in]**  
Terminal Height: **7.62 mm [.3 in]**

Features

Product Type Features

|                                      |             |
|--------------------------------------|-------------|
| Magnet Wire Terminal Wire/Cable Type | Magnet Wire |
|--------------------------------------|-------------|

Body Features

|                                       |        |
|---------------------------------------|--------|
| Cavity Size                           | Size 2 |
| Magnet Wire Terminal Plating Material | Tin    |

Contact Features

|                                           |          |
|-------------------------------------------|----------|
| Terminal & Splice Type                    | Tab      |
| Magnet Wire Terminal Terminal Type        | Tab      |
| Magnet Wire Terminal Terminal Orientation | Straight |

Termination Features

|                                         |              |
|-----------------------------------------|--------------|
| Magnet Wire Terminal Termination Method | IDC Standard |
|-----------------------------------------|--------------|

Mechanical Attachment

|                                            |        |
|--------------------------------------------|--------|
| Magnet Wire Terminal Mating Retention Type | Dimple |
|--------------------------------------------|--------|

Dimensions

|                                       |                  |
|---------------------------------------|------------------|
| Magnet Wire Terminal Mating Tab Width | 4.75 mm[.187 in] |
|---------------------------------------|------------------|



|                                           |                 |
|-------------------------------------------|-----------------|
| Magnet Wire Terminal Mating Tab Thickness | .51 mm[.02 in]  |
| Terminal Height                           | 7.62 mm[.3 in]  |
| Magnet Wire Size                          | 27 – 23 AWG     |
| Magnet Wire Terminal Material Thickness   | .51 mm[.02 in]  |
| Stock Thickness (Magnet Wire Side)        | .41 mm[.016 in] |
| Magnet Wire Terminal Overall Length       | 16 mm[.63 in]   |

Usage Conditions

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

Identification Marking

|                       |    |
|-----------------------|----|
| Identification Number | 10 |
|-----------------------|----|

Industry Standards

|                           |          |
|---------------------------|----------|
| RU (UL Component Program) | Approved |
|---------------------------|----------|

Packaging Features

|                                       |                   |
|---------------------------------------|-------------------|
| Packaging Quantity                    | 12000             |
| Magnet Wire Terminal Packaging Method | Reel, Reel/Carton |

Other

|         |                                                                                                                                                                                                                                                                   |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Comment | After insertion into plastic cavity, tab portion must be bent over 45°-90° or potted in to prevent pullout when mating receptacle is disconnected., Two magnet wires may be terminated in the same terminal slot if diameters are equal., Varnish resist coating. |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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                   | Not Yet Reviewed                                                                                                              |
| 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 2021 (211)<br>Candidate List Declared Against: JAN 2021 (211)<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 # 63659-1<br>MAG-MATE POST 27-23 016TPCUBR  | <br>TE Part # 63664-2<br>MAG-MATE 27-23 187 FTAB TPBR  | <br>TE Part # 1217243-1<br>TAB, 187 FASTON, MAG-MATE   | <br>TE Part # 63273-1<br>MAG-MATE 187 FAST TAB 020TPBR  |
| <br>TE Part # 63063-2<br>TAB, MAG-MATE POKEIN 110F TPBR | <br>TE Part # 62514-1<br>MAG-MATE 27-23 187 F TAB TPBR | <br>TE Part # 63585-1<br>MAG-MATE 27-23 187 F TAB TPBR | <br>TE Part # 316300-4<br>STD MAG-MATE .187 POKE-IN TAB |
| <br>TE Part # 62512-1<br>MAG-MATE 30-27 187 F TAB TPBR  | <br>TE Part # 63664-1<br>MAG-MATE 27-23 187 FTAB TPBR  | <br>TE Part # 62511-1<br>MAG-MATE 22-20 187 F TAB TPBR | <br>TE Part # 63063-1<br>MAG-MATE POKE-IN 110F TAB TPBR |







TE Part # 63669-1  
MAG-MATE 187 F-TAB TPBR



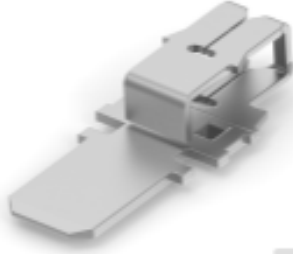
TE Part # 1742995-1  
MAG-MATE W/250 CONN TAB TPBR



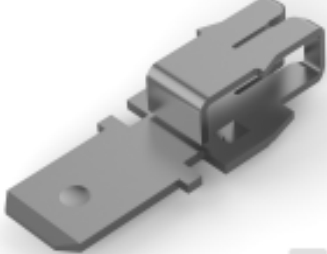
TE Part # 2328510-1  
300BOX MAG-MATE TERMINAL WITH 187 TAB



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



TE Part # 63256-1  
MAG-MATE 187 FAST TAB 0198TPBR



TE Part # 63256-2  
MAG-MATE 187 FAST TAB



TE Part # 63461-1  
MAG-MATE 187 F TAB 27-23 TPBR

Also in the Series | MAG-MATE



Insertion & Extraction Tools(8)



Magnet Wire Terminals(468)

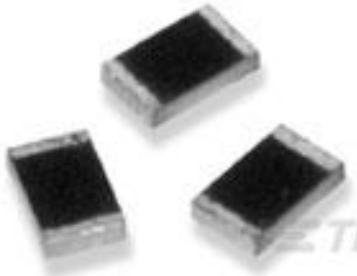


PCB Terminals(1)

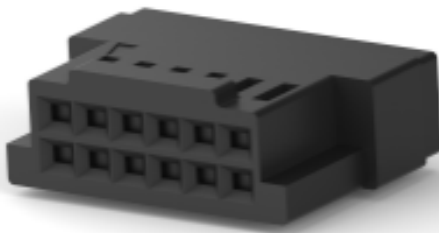
Customers Also Bought



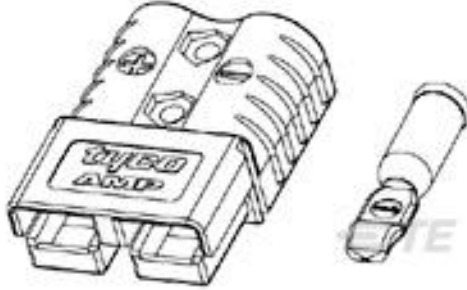
TE Part #63064-1  
MAG-MATE 250 F TAB 032 TPBR



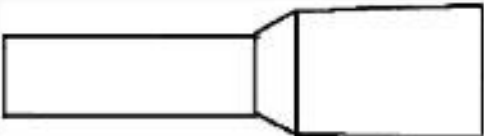
TE Part #2-1879277-3  
RP 2A 15K 0.1% 15PPM 1K RL



TE Part #2-487526-1  
2.54mm FFC Connectors Receptacle Housing



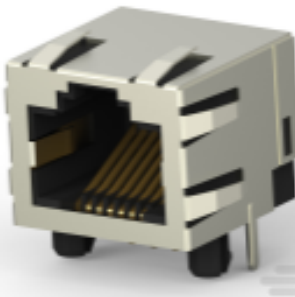
TE Part #1445999-2  
AMP Power 120A Con KIT,4 AWG, BLUE



TE Part #1-966066-9  
TUBULAR END-FERRULE



TE Part #1734580-1  
MOD-Jack,RJ45, 8P8C, SHD LP, 6u" Au



TE Part #1775134-4  
MOD JACK, RJ45, SINGLE, 50u" Au



TE Part #2102515-2  
Fortis Zd 2PR EMI Assy RA 93/7 SnPb Tail



TE Part #2170322-2  
QSPF 1X1 CAGE, SOLDER, WITH HS  
OPENING



TE Part #2295556-1  
Std HDMI, Flag, T/H, 3 in 1 (Row)

Documents

Product Drawings

MAG-MATE 27-23 187 F TAB TPBR

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_62514-2\_AP.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_62514-2\_AP.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_62514-2\_AP.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

Agency Approvals

UL Report

English