



MAG-MATE

TE Internal #: 63665-1
Tab, Mating Tab Width 4.75 mm [.187 in], Size 2, 18 – 16.5 AWG
Aluminum Wire, .82 – 1.17 mm Aluminum Wire, MAG-MATE,
Magnet Wire Terminals

[View on TE.com >](#)

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: **18 – 16.5 AWG**

Features

Product Type Features

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

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	Hole
-----------------------	------



Dimensions

Terminal Height	7.68 mm[.3 in]
Aluminum Wire Size	.82 – 1.17 mm
Magnet Wire Size	.91 – 1.15 mm
Stock Thickness (Magnet Wire Side)	.51 mm[.02 in]
Product Length	15.87 mm[.624 in]

Usage Conditions

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

Operation/Application

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

Identification Marking

Identification Number	28
-----------------------	----

Packaging Features

Packaging Quantity	12000
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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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

 TE Part # 63145-1 MAG-MATE 110 TAB 17-19 020TPBR	 TE Part # 63273-1 MAG-MATE 187 FAST TAB 020TPBR	 TE Part # 1742160-1 TAB,187 FASTON,MAG-MATE	 TE Part # 1742159-1 TERMINAL,SPLICE, MAG-MATE
 TE Part # 1742159-2 TERM,SPLICE,MAG-MATE	 TE Part # 1-1579018-9 INSERTION TOOL	 TE Part # 63441-1 MAG-MATE 110 F TAB 32-34 TPBR	 TE Part # 63511-1 MAG-MATE 187 FAST TAB 020TPBR
 TE Part # 63829-1 TERM MAG-MATE 187 FTAB 020TPBR			

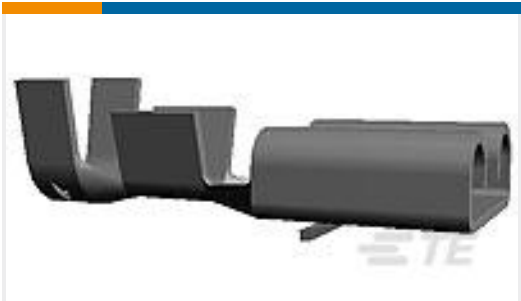
Also in the Series | MAG-MATE

 Insertion & Extraction Tools(6)	 Magnet Wire Terminals(337)	 PCB Terminals(1)
-------------------------------------	--------------------------------	----------------------

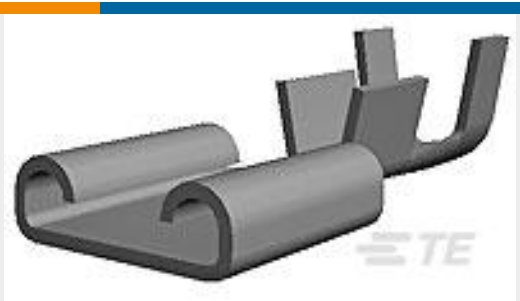
Customers Also Bought



TE Part #63598-1
MAG-MATE 250 F-TAB TPBR



TE Part #5-160558-2
FF 250 REC 0.5-1.5MM2 TPBR



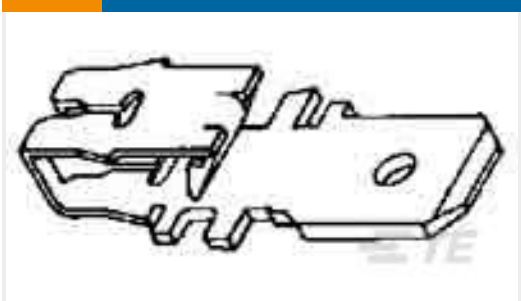
TE Part #5-160432-4
250 FASTON REC 20-16 AWG TPBR



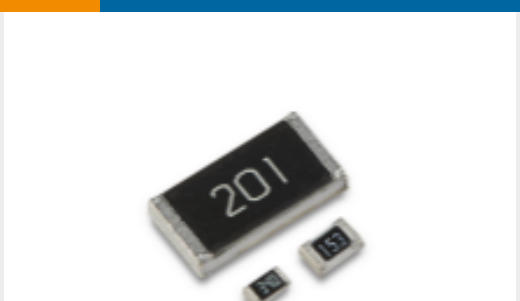
TE Part #63667-1
MAG-MATE 187 FAST TAB 020TPBR



TE Part #173724-1
187 PL EX REC. 20-14AWG PTBR



TE Part #63664-2
MAG-MATE 27-23 187 FTAB TPBR



TE Part #2176330-5
CRGP 2010 22R 1%



TE Part #2232901-1
AMP POWER DBL LOCK REC (L)



TE Part #2-2176251-2
CRGS2010 5% 56R

Documents

Product Drawings

MAG-MATE 187 FAST TAB 020TPBR

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_63665-1_L.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_63665-1_L.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_63665-1_L.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