



MAG-MATE

TE Internal #: 63665-1
Tab, 4.75 mm [.187 in] Tab Width, 18 – 16.5 AWG Aluminum Wire, .82 – 1.17 mm Aluminum Wire, .91 – 1.15 mm Magnet Wire, MAG-MATE, Magnet Wire Terminals

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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

Product Type Features

Compatible With Discrete Wire Type	Magnet Wire, Solid
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Body Features

Compatible With Cavity Size	Size 2
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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)
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Mechanical Attachment

Mating Retention Type	Hole
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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	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
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Identification Marking

Identification Number	28
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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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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 # 1742159-1
TERMINAL,SPLICE, MAG-MATE

TE Part # 1-1579018-9
INSERTION TOOL

TE Part # 1742159-2
TERM,SPLICE,MAG-MATE

TE Part # 63145-1
MAG-MATE 110 TAB 17-19 020TPBR

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

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

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

TE Part # 63441-1
MAG-MATE 110 F TAB 32-34 TPBR

TE Part # 63273-1
MAG-MATE 187 FAST TAB 020TPBR

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

Insertion & Extraction Tools(6)

Magnet Wire Terminals(329)

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



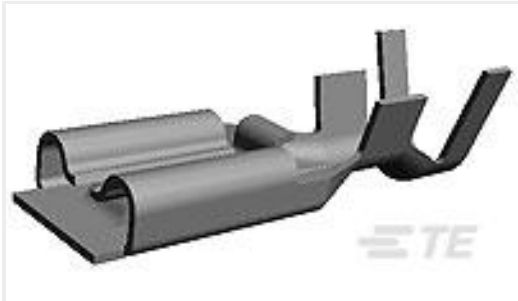
TE Part #63882-1
MAG-MATE 250 F-TAB TPBR



TE Part #63663-1
MAG-MATE 22-20 187 FTAB TPBR



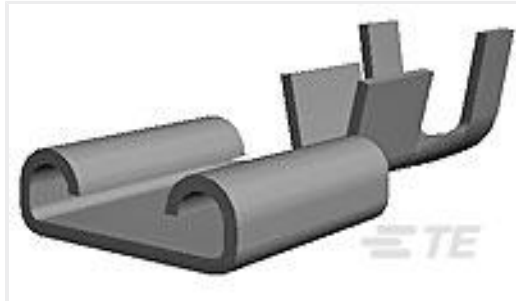
TE Part #350810-1
05P UMNL CAP HSG



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



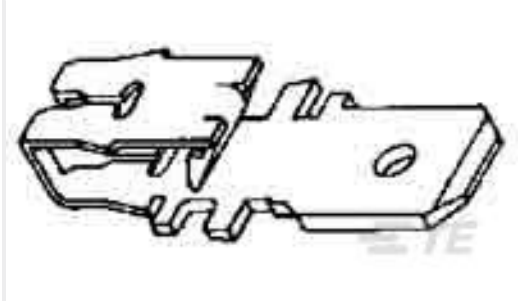
TE Part #NB46072001
SCL-1/8-0-STK-CS34568



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



TE Part #735075
250 FASTON HSG. REC. 1P CLEAR



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

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