

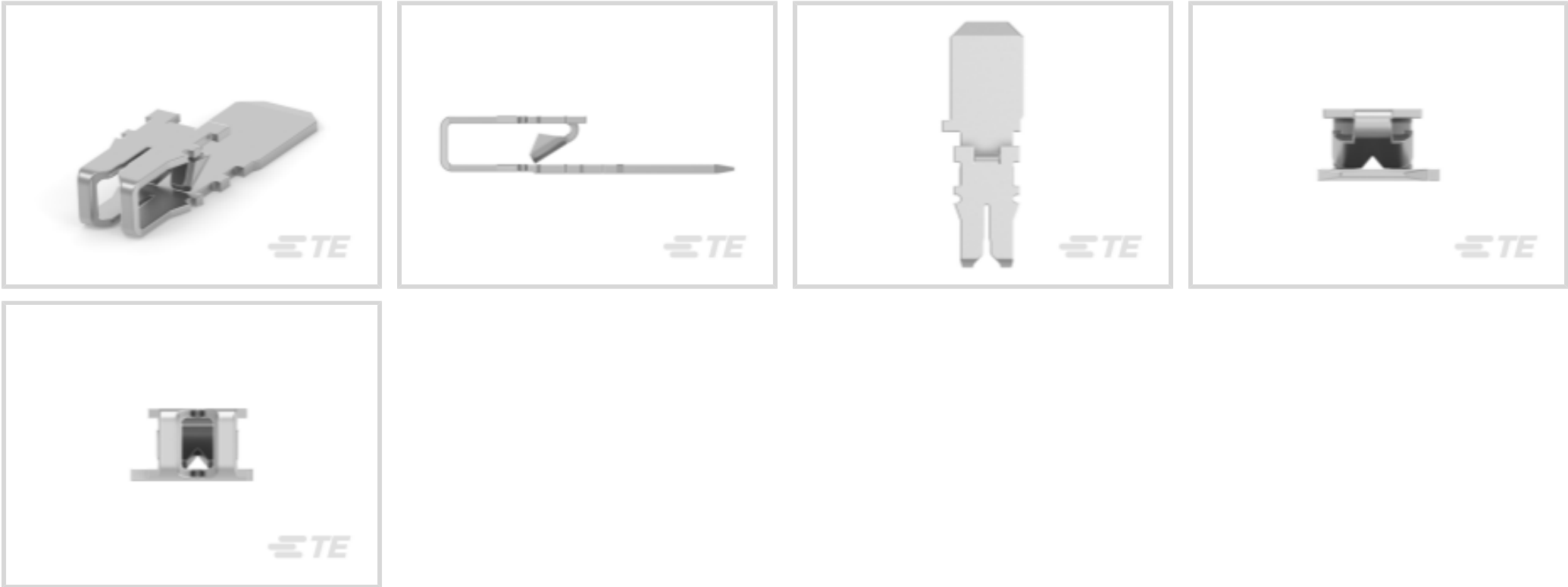


MAG-MATE

TE Internal #: 2-316300-7  
Poke-In, 4.75 mm [.02 in] Tab Width, 20 – 18 AWG Lead Wire, .5 – .8 mm² Lead Wire, .35 – .63 mm Magnet Wire, MAG-MATE, Magnet Wire Terminals

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Terminals & Splices > Magnet Wire Terminals



Magnet Wire Terminal Type: **Poke-In**  
Mating Tab Width: **4.75 mm [.02 in]**  
Mating Tab Thickness: **.5 mm [.02 in]**  
Compatible With Cavity Size: **Size 1**  
Lead Wire Size: **.5 – .8 mm²**

Features

Product Type Features

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

Body Features

|                             |        |
|-----------------------------|--------|
| Compatible With Cavity Size | Size 1 |
|-----------------------------|--------|

Contact Features

|                               |                 |
|-------------------------------|-----------------|
| Magnet Wire Terminal Type     | Poke-In         |
| Mating Tab Width              | 4.75 mm[.02 in] |
| Mating Tab Thickness          | .5 mm[.02 in]   |
| Terminal Plating Material     | Tin             |
| Contact Underplating Material | Nickel          |
| Terminal Orientation          | Straight        |

Termination Features

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

Mechanical Attachment

|  |  |
|--|--|
|  |  |
|--|--|



|                       |      |
|-----------------------|------|
| Mating Retention Type | Hole |
|-----------------------|------|

Dimensions

|                                    |                    |
|------------------------------------|--------------------|
| Terminal Height                    | 7.62 mm[.3 in]     |
| Lead Wire Size                     | 20 – 18 AWG        |
| Magnet Wire Size                   | .35 – .63 mm       |
| Stock Thickness (Magnet Wire Side) | .41 mm[.016 in]    |
| Product Length                     | 27.75 mm[1.029 in] |

Usage Conditions

|                             |                           |
|-----------------------------|---------------------------|
| Insulation Option           | Uninsulated               |
| Operating Temperature Range | -20 – 105 °C[-4 – 221 °F] |

Operation/Application

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

Packaging Features

|                  |                   |
|------------------|-------------------|
| 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)<br>Candidate List Declared Against: JUNE 2024 (241)<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

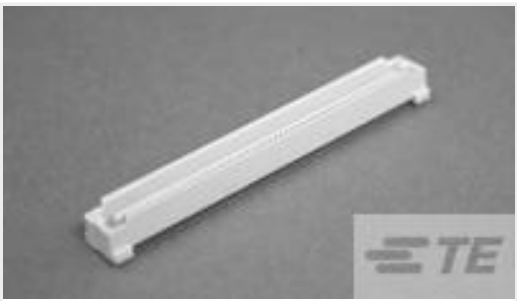
|                                                            |                                                            |                                                          |                                                        |
|------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------|
| <br>TE Part # 2-316300-8<br>STD MAG-MATE POKE-IN WITH 187T | <br>TE Part # 316300-5<br>STD MAG-MATE .187 POKE-IN TAB    | <br>TE Part # 2825382-1<br>STD MAG-MATE .187 POKE-IN TAB | <br>TE Part # 1217211-1<br>TAB POKE-IN 118 COMB 300 MM |
| <br>TE Part # 316300-6<br>STD MAG-MATE .187 POKE-IN TAB    | <br>TE Part # 316300-4<br>STD MAG-MATE .187 POKE-IN TAB    | <br>TE Part # 1217211-2<br>POKEIN/TAB,COMBO,MAG-MATE     | <br>TE Part # 1987199-1<br>BRIDGE CONTACT              |
| <br>TE Part # 6-316300-7<br>STD MAG-MATE POKE-IN WITH .187 | <br>TE Part # 2-316300-9<br>STD MAG-MATE POKE-IN WITH 187T |                                                          |                                                        |

Also in the Series | MAG-MATE

|                                     |                                |                      |
|-------------------------------------|--------------------------------|----------------------|
| <br>Insertion & Extraction Tools(6) | <br>Magnet Wire Terminals(329) | <br>PCB Terminals(1) |
|-------------------------------------|--------------------------------|----------------------|

Customers Also Bought

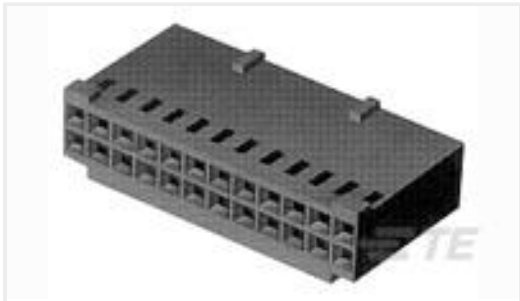




TE Part #5179230-4  
0.8FH,P05H.5,100,08/Sn,TU,SC



TE Part #4-1393223-3  
V23061B1010A501=MINISTARKSTROM



TE Part #3-87977-9  
28 MODIV HSG COMP DR .100 POL



TE Part #5-747917-5  
37 Rcpt Solder Cup, 30 gold, RoHS Compli



TE Part #2170737-5  
QSFP28, 1X3, CAGE ASSEMBLY, SPRING



TE Part #3-178488-4  
UP 7.92 3P TAB HDR YELLO TYP 2



TE Part #2-1649329-8  
RT444005



TE Part #4-6609952-3  
PS000DH6B=C4557



TE Part #3-1625812-1  
3631C 47UH 15%



TE Part #5953131-3  
SMART CARD READER W RIBBON CABLE 8 POS.

Documents

Product Drawings

STD MAG-MATE POKE-IN WITH 187T

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2-316300-7\_N\_c-2-316300-7-n.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_2-316300-7\_N\_c-2-316300-7-n.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_2-316300-7\_N\_c-2-316300-7-n.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

STD MAG-MATE Poke-in with 187 Tab Terminal

English