# 1601046-2 ✔ ACTIVE

SIAMEZE

TE Internal #: 1601046-2

Magnet Wire Terminals, Wire-to-Wire, Lead Wire Size 22 – 18 AWG, Lead Wire Size .3 – .8 mm², .16 – 1.02 mm Magnet Wire, SIAMEZE

View on TE.com >

Terminals & Splices > Magnet Wire Terminals







Magnet Wire Terminal Type: **Wire-to-Wire**

Compatible Insulation Diameter (Max): **2.9 mm [ .115 in ]**

Compatible Insulation Diameter Range: **2.9 mm [ .115 in ]**

Lead Wire Size: **.3 – .8 mm²**

## Features

### Product Type Features

| | |
|---|---|
| Compatible With Discrete Wire Type | Magnet Wire & Lead Wire |

### Contact Features

| | |
|---|---|
| Magnet Wire Terminal Type | Wire-to-Wire |
| 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 | Barbs |

### Dimensions

| | |
|---|---|
| Terminal Height | 3.17 mm[.125 in] |
| Compatible Insulation Diameter (Max) | 2.9 mm[.115 in] |
| Compatible Insulation Diameter Range | 2.9 mm[.115 in] |
| Lead Wire Size | .3 – .8 mm² |

| | |
|---|---|
| Magnet Wire Size | .16 – 1.02 mm |
| Stock Thickness (Magnet Wire Side) | .51 mm[.02 in] |
| Product Length | 7.62 mm[.3 in] |

### Usage Conditions

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|---|---|
| Insulation Option | Uninsulated |
| Operating Temperature Range | -40 – 175 °C[-40 – 347 °F] |

### Operation/Application

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

### Packaging Features

| | |
|---|---|
| Packaging Quantity | 50000 |
| Packaging Method | Reel |

## 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: JAN 2024 (240)<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



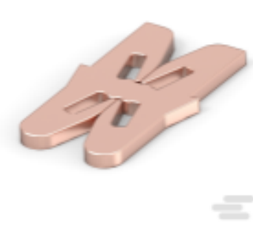
TE Part # 8-1601046-1
331-101-000=WIRE2WIRE,STD,SMZ



TE Part # 2-1601042-2
131-090-120=PIN,024SQ,STD,SMZ



TE Part # 6-1601046-2
WIRE2WIRE,STD,SMZ



TE Part # 1601046-3
STANDARD WIRE TO WIRE SIAMEZE, HIGH TEMP,



TE Part # 1601144-3
159-003-120=PIN.024SQ,MMD,SMZ



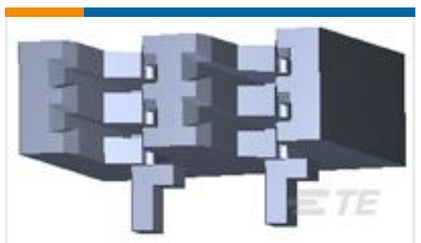
TE Part # 2322343-2
WIRE2WIRE,STD,SMZ FOR AL WIRE



TE Part # 4-1601000-2
031-001-001=WIRE2WIRE,STD,SMZ



TE Part # 8-1601046-2
331-101-000=WIRE2WIRE,STD,SMZ

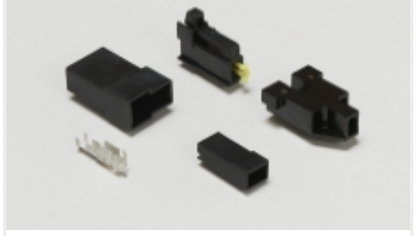


TE Part # 1601433
531-101-002= POCKET SPECIFICATION

## Also in the Series | SIAMEZE

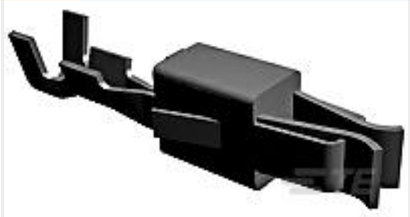


Insertion & Extraction Tools(1)



Magnet Wire Terminals(192)

## Customers Also Bought



TE Part #927768-6
JPT REC 2.8 Contact SRC Ag



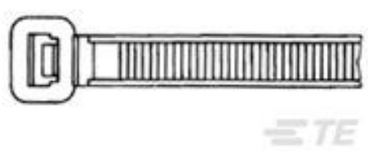
TE Part #2-1703930-1
NANOMQS, RECEPTACLE TERMINAL



TE Part #2141576-3
32POS NANO MQS TL PLUG HOUSING, CODE C



TE Part #NB07552001
HTAT-16/4-0-STK



TE Part #2-160967-1
CABLE TY 98X2.5 NAT



TE Part #1601097-2
131-167-021=TAB,2.79X0.81,STD,SMZ



TE Part #2-1971906-5
HEADER ASSY 10POS,KEYING-B,NEW GIC3.3

TE Part #3-1481639-4
SHEAR SLEEVE

TE Part #5-1481633-6
GUIDE PLATE, FRONT

TE Part #5-523159-6
COMPRESSION FORCE SENSOR, PACKAGE

## Documents

### Product Drawings

WIRE2WIRE,STD,SMZ

English

WIRE2WIRE,STD,SMZ

English

### CAD Files

Customer View Model

ENG_CVM_CVM_1601046-2_H.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1601046-2_H.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1601046-2_H.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