

31890 ✓ ACTIVE



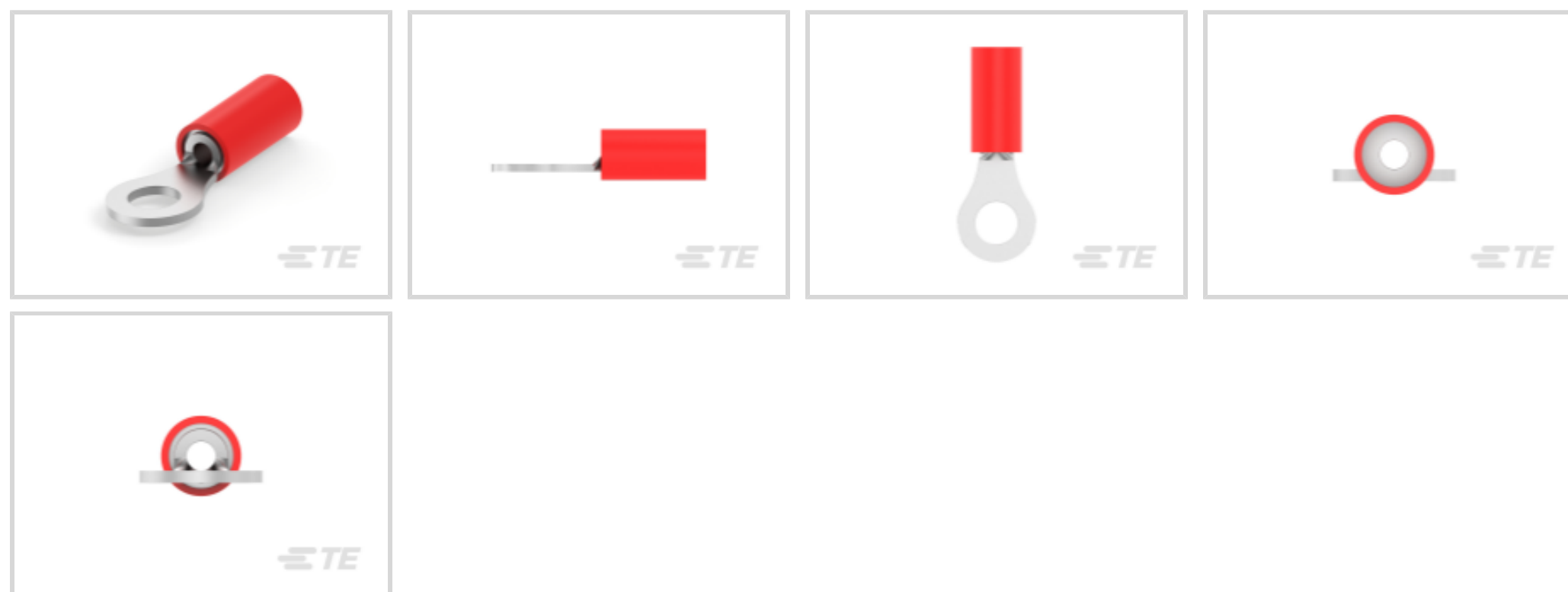
PIDG

TE Internal #: 31890

Ring Terminals & Spade Terminals, Ring Tongue, 22 AWG Wire Size, .3 – 1.42 mm² Wire Size, 509 – 3260 CMA Wire Size, Stud Size #8 / M4, PIDG

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Terminals & Splices > Ring Terminals & Spade Terminals > PIDG RING TONGUE TERMINALS



Ring & Spade Terminal Type: **Ring Tongue**

Wire Size: **509 – 3260 CMA**

Stud Size: **#8, M4**

[All PIDG RING TONGUE TERMINALS \(421\)](#)

Features

Product Type Features

| | |
|--|--------------------|
| Shape Description | RING-041 |
| Stud Size | #8, M4 |
| Sealable | No |
| Wire Insulation Support Retention Type | Insulation Support |

Configuration Features

| | |
|-----------------|-------|
| Number of Holes | 1 |
| Terminal Angle | 180 ° |

Electrical Characteristics

| | |
|---------------|-------|
| Voltage (Max) | 300 V |
|---------------|-------|

Body Features

| | |
|-------------------------|--------|
| Inspection Slot | No |
| Insulation Sleeve Color | Red |
| Weight per Piece | .904 g |
| Stripe Color | Red |

Contact Features

| | |
|----------------------------|-------------|
| Military Part Class | Class I |
| Ring & Spade Terminal Type | Ring Tongue |
| Barrel Type | Closed |
| Terminal Orientation | Straight |
| Terminal Plating Material | Tin |

Mechanical Attachment

| | |
|-------------------------|------|
| Wire Insulation Support | With |
|-------------------------|------|

Dimensions

| | |
|--|-------------------------------|
| Wire Size | 509 – 3260 CMA |
| Stud Diameter | 4.17 mm[.164 in] |
| Tongue Thickness | .84 mm[.033 in] |
| Overall Product Length | 21.44 mm[.844 in] |
| Accepts Wire Insulation Diameter (Max) | 3.56 mm[.14 in] |
| Accepts Wire Insulation Diameter Range | 2.67 – 3.56 mm[.105 – .14 in] |

Usage Conditions

| | |
|-----------------------------|---------------------|
| Insulation Option | Partially Insulated |
| Operating Temperature Range | 105 °C[221 °F] |

Operation/Application

| | |
|---------------------------------------|--------|
| Compatible With Wire Base Material | Copper |
| Compatible With Wire Plating Material | Tin |
| Heavy Duty | No |

Industry Standards

| | |
|----------------------|-----|
| Government Qualified | Yes |
|----------------------|-----|

Packaging Features

| | |
|--------------------|-------------|
| Packaging Quantity | 1000 |
| Packaging Method | Loose Piece |

Other

| | |
|---------|--|
| Comment | Available On-Tape for Automatic Termination. |
|---------|--|

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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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 reviewed 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

| | | | |
|--|--|--|--|
|  <p>TE Part # 59824-1 TETRA-CRIMP PIDG PG FASTON 22-10 ASSY</p> |  <p>TE Part # 47386 DAHT PG PIDG 26-16 ASSY</p> |  <p>TE Part # 47386-4 DAHT PG PIDG 26-16 ASSY</p> |  <p>TE Part # 58433-3 PRO CR ASSY, RBY IS9252</p> |
|  <p>TE Part # 59250 T-HEAD PIDG 26-14 ASSY</p> |  <p>TE Part # 58423-1 DIE, RBY IS9252</p> |  <p>TE Part # 525690 DAHT PG PIDG 20-18 ASSY</p> |  <p>TE Part # 539691-2 ERGO DIE R.B.Y</p> |



TE Part # 2063030-1
SDE DIESET, RBY, UL



TE Part # 47806-2
DIES PIDG 22-16 DIE SET



TE Part # 59300
T-HEAD PIDG PG 26-16 ASSY



TE Part # 6-1377173-8
SMP 0-0031890-0



TE Part # 169400
CERTI-LOK FRAME W/O DIES



TE Part # 1SET191001R0000
CRIMP-HT



TE Part # 1SET191002R0000
TET CRIMP-HT



TE Part # 169404
CERTI-LOK DIE

Also in the Series | PIDG



Compression Connectors(17)



Crimp Terminal Housings(1)



Crimp Wire Pins, Tabs & Ferrules(41)



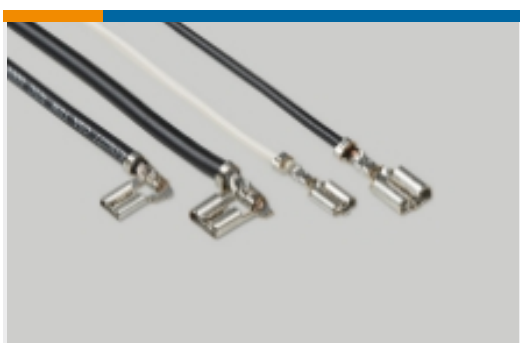
Hand Crimping Tools(2)



Knife Disconnects(11)



PCB Terminals(9)



Quick Disconnects(53)



Ring Terminals & Spade Terminals(861)



Special Purpose Terminals(1)



Splices(48)

Documents



Product Drawings

[PIDG R 22-16 COMM 22-18 MIL 8](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_31890_AF.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_31890_AF.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_31890_AF.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[PIDG TERMINALS & SPLICES Quick Reference Guide](#)

English

Product Specifications

[Application Specification](#)

English

Product Environmental Compliance

[MD_31890_04032018433_dmtec](#)

English

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English

Agency Approvals

[UL Report](#)

English

[UL Report](#)

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