



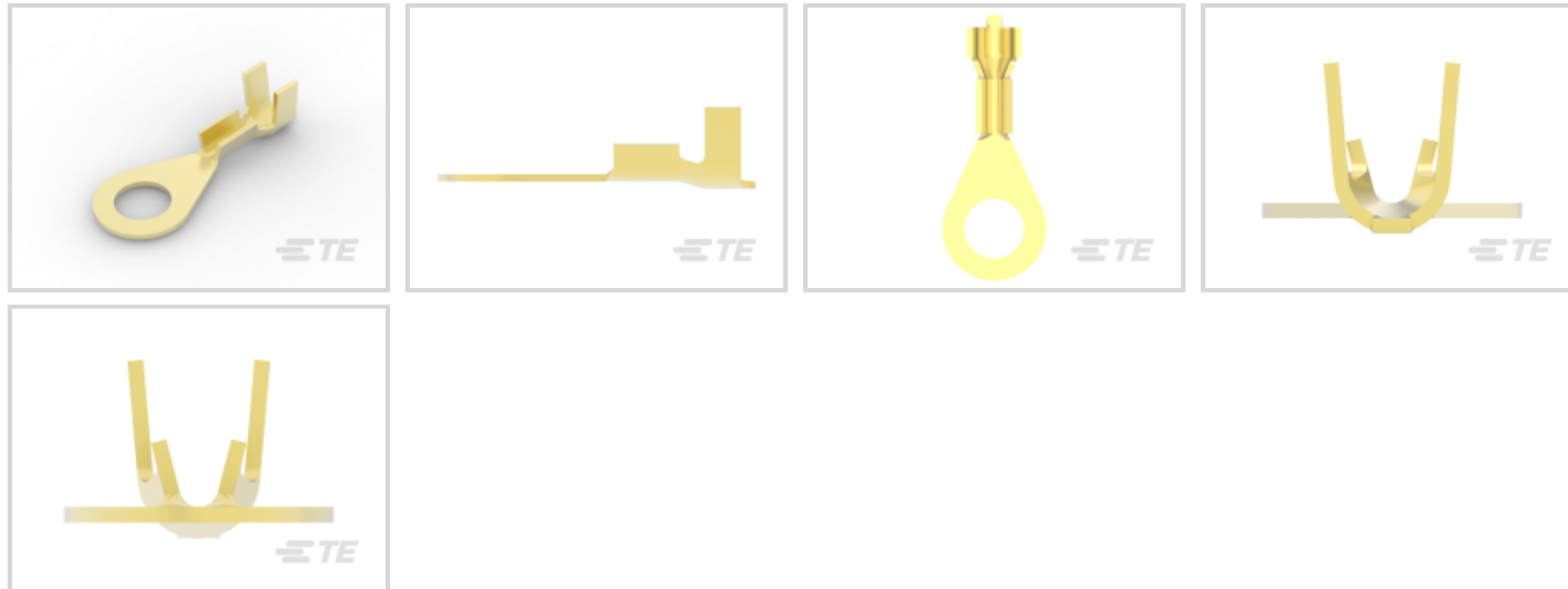
AMPLIVAR

TE Internal #: 60319-2

Closed Ring Tongue Terminal, 23 – 19 AWG, #10 Stud Size, 5 mm [.197 in] Stud Diameter, Open Barrel, Straight, Tin, Uninsulated, AMPLIVAR

[View on TE.com >](#)

Terminals & Splices > Ring Terminals



Ring Terminal Product Type: Closed Ring Tongue Terminal

Wire Size: 509 – 1289 CMA

Stud Size: #10

Features

Product Type Features

Shape Description	RING-028
Ring Terminal Product Type	Closed Ring Tongue Terminal
Stud Size	#10
Sealable	No
Compatible With Discrete Wire Type	Magnet Wire
Wire Insulation Support Retention Type	Insulation Support

Configuration Features

Number of Holes	1
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Contact Features

Barrel Type	Open
Terminal Orientation	Straight
Terminal Plating Material	Tin
Contact Underplating Material	Brass

Mechanical Attachment

Wire Insulation Support	With
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### Dimensions

Wire Size	509 – 1289 CMA
Stud Diameter	5 mm [.197 in]
Tongue Thickness	.5 mm [.02 in]
Product Length	21.15 mm [.831 in]
Barrel Inside Diameter	1.27 mm, 2.92 mm [.05 in] [.115 in]
Compatible Insulation Diameter (Max)	3.56 mm [.14 in]
Compatible Insulation Diameter Range	2.54 – 3.56 mm [.1 – .14 in]

### Usage Conditions

Insulation Option	Uninsulated
Operating Temperature Range	-40 – 105 °C [-40 – 221 °F]

### Operation/Application

Compatible With Wire Base Material	Aluminum, Copper
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### Industry Standards

Government Qualified Terminal	No
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### Packaging Features

Packaging Quantity	10000
Packaging Method	Reel

### Product Compliance

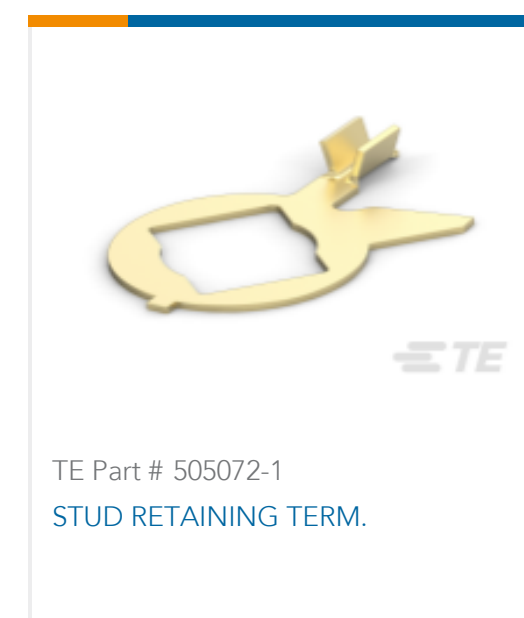
[For compliance documentation, visit the product page on TE.com>](#)

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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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



Also in the Series | **AMPLIVAR**



Crimp Wire Pins, Tabs & Ferrules(5)



Magnet Wire Terminals(4)



PCB Terminals(1)



Quick Disconnects(41)



Ring Terminals(28)



Splices(77)

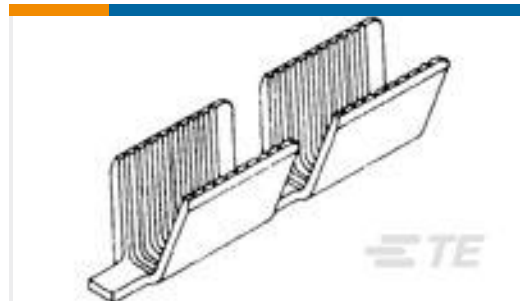
### Customers Also Bought



TE Part #2-325034-1  
TERMINAL,PIDG R 16-14 1/4



TE Part #61793-1  
RING 18-14 AWG TPST



TE Part #62311-2  
AMVAR SPLC 10M-17M 0295 TPBR



TE Part #63864-1  
RING AMVAR IS 2(13) 025TPBR



TE Part #DRCP25-86PAA-G005  
HDR, 86P, BLK, ST, 12/20, SN/NI/CU, AA



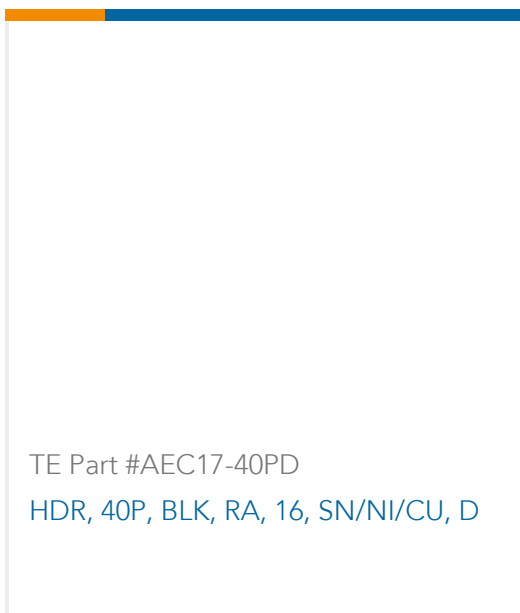
TE Part #52041  
TERMINAL,R PG 8 8



TE Part #109026-31  
CONT PIN



TE Part #0534-001-0001  
BOLT ASM



TE Part #AEC17-40PD  
HDR, 40P, BLK, RA, 16, SN/NI/CU, D

### Documents



**Product Drawings**

[AMPLIVAR RG 23-19 10 TPBR](#)

English

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**CAD Files**

[3D PDF](#)

3D

**Customer View Model**

[ENG\\_CVM\\_CVM\\_60319-2\\_V.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_60319-2\\_V.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_60319-2\\_V.3d\\_stp.zip](#)

English

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**Product Specifications**

[Application Specification](#)

English

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**Product Environmental Compliance**

[Product Compliance](#)

English

[Product Compliance](#)

English