60319-2 ✔ ACTIVE

AMPLIVAR

TE Internal #: 60319-2

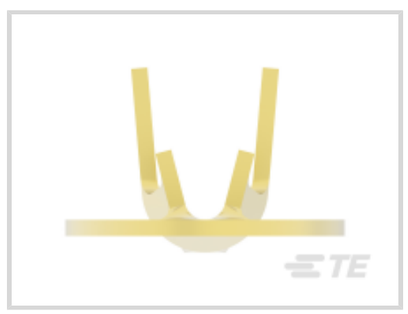
Closed Ring Tongue Terminal, 23 – 19 AWG, #10 Stud, 5 mm [.197 in] Stud Diameter, Open Barrel, Straight, Tin Plating, Uninsulated, AMPLIVAR

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

Contact Features

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

Mechanical Attachment

Wire Insulation Support	With

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

Industry Standards

Government Qualified Terminal	No

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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 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 # 1930001-1
Amplivar, (M3.5) Ring Tongue



TE Part # 63399-1
AMPLIVAR RING 22-29 10 TPBR



TE Part # 63612-1
RING AMVAR 22-18 025TPBR



TE Part # 640212-1
AMVAR R 13-11 #10 025TPBR



TE Part # 505044-1
STUD RTNG AMVAR TERM .020 BR



TE Part # 505072-1
STUD RETAINING TERM.



TE Part # 62835-1
RING AMVAR 22-18 025 TPBR

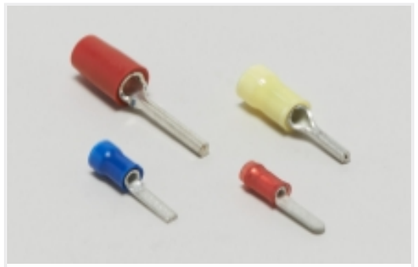


TE Part # 60321-2
AMPLIVAR RG 23-19 8 TPBR

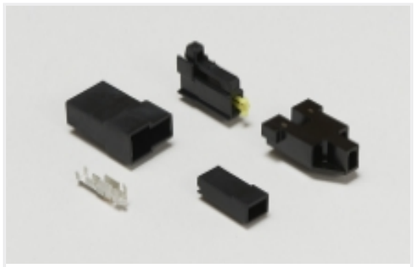


TE Part # 63649-1
RING AMVAR 22-18 025TPBR

Also in the Series | AMPLIVAR



Crimp Wire Pins, Tabs & Ferrules(4)



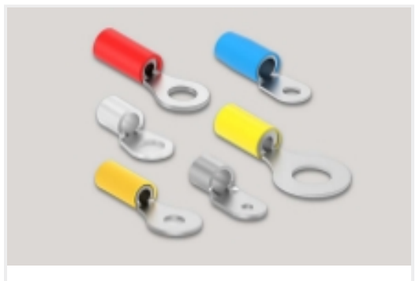
Magnet Wire Terminals(4)



PCB Terminals(1)



Quick Disconnects(35)



Ring Terminals(26)



Splices(68)

Customers Also Bought



TE Part #NB31734001
CRN-3/32-0-SP



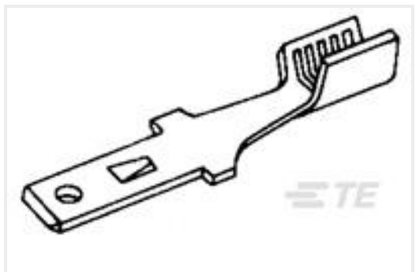
TE Part #60325-2
AMPLIVAR RG 23-19 10 TPBR



TE Part #60385-2
.250 FAST REC IS 18-2/17 TPBR



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



TE Part #62445-1
187 AMVAR FFTAB FLT 020TPBR



TE Part #350536-3
UMNL SOK 20-14 .0125 PTPPHBZ



TE Part #1-480704-0
06P UMNL PLUG HSG NATL



TE Part #926885-3
UNIV.M-N-L.PIN



TE Part #1742882-1
250 FAST FLG RCPT AMVAR TPBR

TE Part #1SNA094305R2400
CPFT2/5

Documents

Product Drawings

AMPLIVAR RG 23-19 10 TPBR

English

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