

42164-2 ✓ ACTIVE

TE Internal #: 42164-2

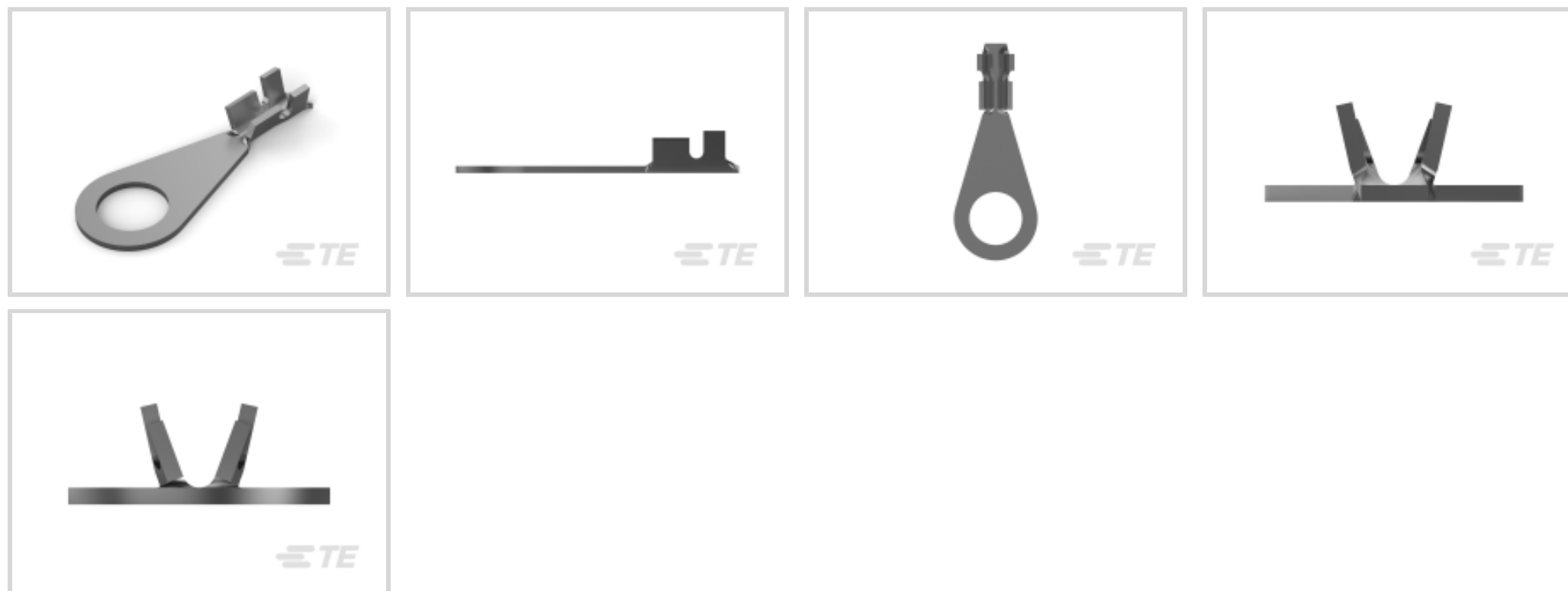
Ring Terminals & Spade Terminals, Ring Tongue, 24 – 20 AWG

Wire Size, .2 – .6 mm² Wire Size, 404 – 1021 CMA Wire Size, Stud Size #10

[View on TE.com >](#)



Terminals & Splices > Ring Terminals & Spade Terminals



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

Wire Size: **404 – 1021 CMA**

Stud Size: **#10**

Features

Product Type Features

Shape Description	Circular/Oval
Stud Size	#10
Sealable	No
Compatible With Discrete Wire Type	Stranded
Wire Insulation Support Retention Type	Insulation Support

Configuration Features

Number of Holes	1
Terminal Angle	180 °

Body Features

Weight per Piece	.41 g
------------------	-------

Contact Features

Contact Base Material	Brass
Ring & Spade Terminal Type	Ring Tongue
Barrel Type	Open
Terminal Orientation	Straight
Terminal Plating Material	Tin



Contact Underplating Material	Nickel
-------------------------------	--------

Mechanical Attachment

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

Dimensions

	.048 in
Wire Size	404 – 1021 CMA
Stud Diameter	4.82 mm[.19 in]
Tongue Thickness	.51 mm[.02 in]
Overall Product Length	19.56 mm[.77 in]
Barrel Inside Diameter	1.01 mm, 1.77 mm[.04 in][.07 in]
Accepts Wire Insulation Diameter (Max)	1.98 mm[.078 in]
Accepts Wire Insulation Diameter Range	1.22 – 1.98 mm[.048 – .078 in]

Usage Conditions

Insulation Option	Uninsulated
Operating Temperature Range	-40 – 110 °C[-40 – 230 °F]

Operation/Application

Compatible With Wire Base Material	Copper
Heavy Duty	No

Industry Standards

Government Qualified	No
----------------------	----

Packaging Features

Packaging Quantity	20000
Packaging Method	Strip/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 2022 (224) Candidate List Declared Against: JAN 2022 (223)



SVHC > Threshold:
Not Yet Reviewed

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 # 62638-1
RING TONGUE 22-20 AWG TPBR



TE Part # 61238-1
SPADE CRIMP 24-20 AWG TPBR



TE Part # 2-2150343-1
OCEAN_2.0_Applicator-E-080F0900



TE Part # 2-2150343-2
OCEAN_2.0_Applicator-E-080F0900



TE Part # 2-2150738-1
OCEAN_2.0_Applicator-E-080F100F



TE Part # 2-2150738-2
OCEAN_2.0_Applicator-E-080F100F



TE Part # 2150343-1
OCEAN_2.0_Applicator-E-080F0900



TE Part # 2150343-2
OCEAN_2.0_Applicator-E-080F0900



TE Part # 2150738-1
OCEAN_2.0_Applicator-E-080F100F



TE Part # 2150738-2
OCEAN_2.0_Applicator-E-080F100F



TE Part # 7-2150343-1
OCEAN_2.0_Applicator-E-080F0900



TE Part # 7-2150343-2
OCEAN_2.0_Applicator-E-080F0900

KIT

REPRESENTATION ONLY

TE Part # 7-2150343-7
OCEAN_2.0_SPARE_PART_KIT-080F0900

TE Part # 7-2150738-1
OCEAN_2.0_Applicator-E-080F100F

TE Part # 7-2150738-2
OCEAN_2.0_Applicator-E-080F100F

KIT

REPRESENTATION ONLY

TE Part # 7-2150738-7
OCEAN_2.0_SPARE_PART_KIT-080F100F

TE Part # 735097-2
RING TONGUE 24-20 AWG .0157 X .250 TPBR

Customers Also Bought

TE Part #352033-1
Z-PACK 2MM HM ASSY, TYPE-B 133P

TE Part #5646486-1
8-ROW, TWST, TUL TYPE/D W/SHEILD

TE Part #DTS20F15-18PN
RECP ASSY

TE Part #DTS20F15-35PN
RECP ASSY

TE Part #3-829868-6
10X 6P FEDERLEI 2,5

TE Part #3-829868-5
11X 5P FEDERLEI 2,5

TE Part #148452-5
160 ENH EURO LONG REC 6MM ASSY

TE Part #2238095-1
110 FASTON, REC., 22-20 AWG, PTBR

TE Part #1589700-1
SSM051B2H = SMT CONN

TE Part #5-1437212-1
FSK-22A-12

Documents



Product Drawings

RING TERMINAL 24-20 AWG TPBR

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_42164-2_Y_c-42164-2-y.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_42164-2_Y_c-42164-2-y.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_42164-2_Y_c-42164-2-y.3d_stp.zip](#)

English

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

Product Specifications

Application Specification

English

Product Environmental Compliance

Product Compliance

English

Product Compliance

English

Agency Approvals

UL Report

English