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Have a Question?
Chat with a Product
Information Specialist   What can we help you find?

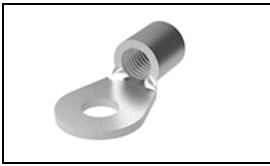| Products | Industries | Resources | About TE | My Account | Innovation | Support Center |

321866 Product Details

Share   Print   Email

321866

TE Internal Number: 321866

✔ Active

📄 View 3D PDF

Ring and Spade Tongue Terminals

🍃 Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:
- Terminal Shape = Ring Tongue
- Receptacle Style = Straight
- Body Style = SOLISTRAND
- Barrel Type = Closed Barrel
- Wire/Cable Type = Regular Wire

View all Features

Quick Links
- ▶ Pricing & Availability
- ▶ Search for Tooling
- ▶ Product Feature Selector
- ▶ Contact Us About This Product

Add to My Part List   Request Sample   Find Similar Products   Buy Product

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Documentation & Additional Information

Product Drawings:
- TERMINAL, RING TONGUE, SOLISTRAND WIRE SIZE 50.0mm2... (PDF, English)

Catalog Pages/Data Sheets:
- None Available

Product Specifications:
- None Available

Application Specifications:
- None Available

Instruction Sheets:
- None Available

CAD Files: (CAD Format & Compression Information)
- 2D Drawing (DXF, Version U)
- 3D Model (IGES, Version U)
- 3D Model (STEP, Version U)

Related Products:
- Tooling

List all Documents

Product Features (Please use the Product Drawing for all design activity)

Product Type Features:
- Receptacle Style = Straight
- Barrel Type = Closed Barrel
- Wire/Cable Type = Regular Wire
- Insulation = No
- Insulation Support = Non-Insulation Support
- Stud Size = 1/4 [M6]
- Shape = RING-049
- Heavy Duty = No
- Finish = Tin

Termination Features:
- Wire/Cable Size (CMA) = 83,700 – 119,500

Dimensions:
- Stud Diameter (mm [in]) = 6.35 [0.250]
- Barrel I.D. Min. (mm [in]) = 11.28 [0.444]

Body Features:
- Body Style = SOLISTRAND
- Wire Range (mm [AWG]) = 41.00-60.00; [1/0]
- Material = Copper
- Stock Thickness (mm [in]) = 1.85 [0.073]

Contact Features:
- Terminal Shape = Ring Tongue
- Class = 2

Industry Standards:
- Government/Industry Qualification = Yes
- Government/Industry Part Number = MS20659-117
- RoHS/ELV Compliance = RoHS compliant, ELV compliant
- Lead Free Solder Processes = Not relevant for lead free process
- RoHS/ELV Compliance History = Always was RoHS compliant

Packaging Features:
- Packaging Method = Loose Piece

Other:
- Brand = AMP

4	3	2	1

LOC	DIST			REVISIONS			
G	14	P	LTR	DESCRIPTION	DATE	DWN	APVD
			J2	REVISED PER ECO-11-004917	11MAR11	RK	HMR

AMP WIRE RANGE

1/0 AWG SOLID OR STRANDED

E13288 Listed

1/0 AWG STRANDED

LR7189 Certified

1/0 AWG SOLID OR STRANDED

MILITARY P/N AND CLASS

MS 20659-117 CLASS 2

15.88 [.625]
MAX WASHER RADIUS

6.73±0.13 [.265±.005]
FOR 1/4 STUD

BRAZED SEAM

15.57 [.613] MAX DIA

11.28 [.444] MIN DIA

AWG
1/0

20.50 [.807] MAX

38.91 [1.532] MAX

48.89 [1.925] MAX
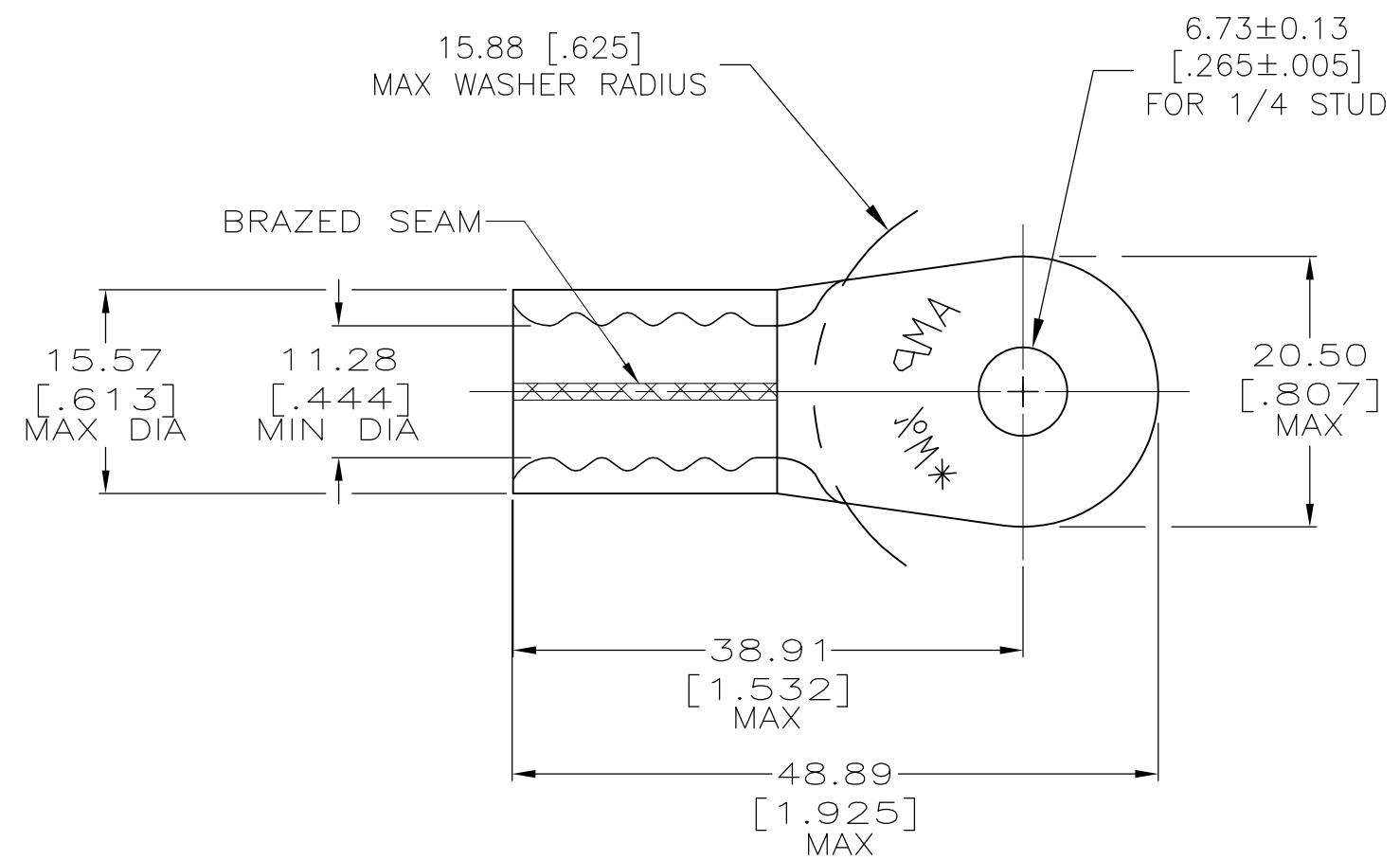
/1\ TIN PL 0.00254[.000100] MIN THK PER ASTM B-545

/2\ GOLD PL 0.00127 [.000050] MIN THK PER MIL-G-45204 OVER NICKEL PL 0.00076 [.000030] MIN THK PER QQ-C-290

OBSOLETE

/2\
/1\

COPPER ASTM B-152
1.78 ±0.08 [.070 ±.003]
ANNEALED

FINISH

MATERIAL

2-321866-1

321866

PART NO.

MAX RECOMMENDED OPERATING TEMPERATURE: 170°C	THIS DRAWING IS A CONTROLLED DOCUMENT.	DWN DK SCHRUM 8/30/91	**≡TE** TE Connectivity
VOLTAGE RATING: N/A	DIMENSIONS: mm[INCHES]	CHK RD HEIM 9/30/91	NAME
	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± – / 1 PLC ± – / 2 PLC ± 0.20[.008] / 3 PLC ± – / 4 PLC ± – / ANGLES ± –	APVD AJ KAUFMAN 9/30/91	TERMINAL, RING TONGUE, SOLISTRAND WIRE SIZE 50.0mm2 [1/0] AWG
		PRODUCT SPEC —	
		APPLICATION SPEC —	
CIRCULAR MIL AREA: 42.4-60.6mm² [83,700-118,500]	MATERIAL SEE TABLE / FINISH SEE TABLE	WEIGHT —	SIZE A3 / CAGE CODE 00779 / DRAWING NO C-321866 / RESTRICTED TO —
		CUSTOMER DRAWING	SCALE 2:1 / SHEET 1 OF 1 / REV J2