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322870 Product Details

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322870

TE Internal Number: 322870

✔ 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

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Quick Links

- ▷ Pricing & Availability
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- ▷ Product Feature Selector
- ▷ Contact Us About This Product

Documentation & Additional Information

Product Drawings:
- TERMINAL, RING TONGUE, SOLISTRAND (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 J)
- 3D Model (IGES, Version J)
- 3D Model (STEP, Version J)

Related Products:
- Tooling

List all Documents

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

Product Type Features:
- Terminal Shape = Ring Tongue
- Receptacle Style = Straight
- Barrel Type = Closed Barrel
- Wire/Cable Type = Regular Wire
- Insulation = No
- Insulation Support = Non-Insulation Support
- Stud Diameter (mm [in]) = 8.33 [0.328]
- Stud Size = 5/16 [M8]
- Shape = RING-051
- Heavy Duty = No
- Finish = Tin

Termination Features:
- Wire/Cable Size (CMA) = 52,600 – 83,700

Dimensions:
- Barrel I.D. Min. (mm [in]) = 9.39 [0.370]

Contact Features:
- Class = 2

Industry Standards:
- Government/Industry Qualification = Yes
- Government/Industry Part Number = MS20659-147
- 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

Conditions for Usage:
- High Temperature Rating (°C [°F]) = 170 [338]

Packaging Features:
- Packaging Method = Loose Piece

Body Features:
- Body Style = SOLISTRAND
- Wire Range (mm [AWG]) = 34.00-35.00² [2]
- Material = Copper
- Stock Thickness (mm [in]) = 1.78 [0.070]

Other:
- Brand = AMP

Corporate Information

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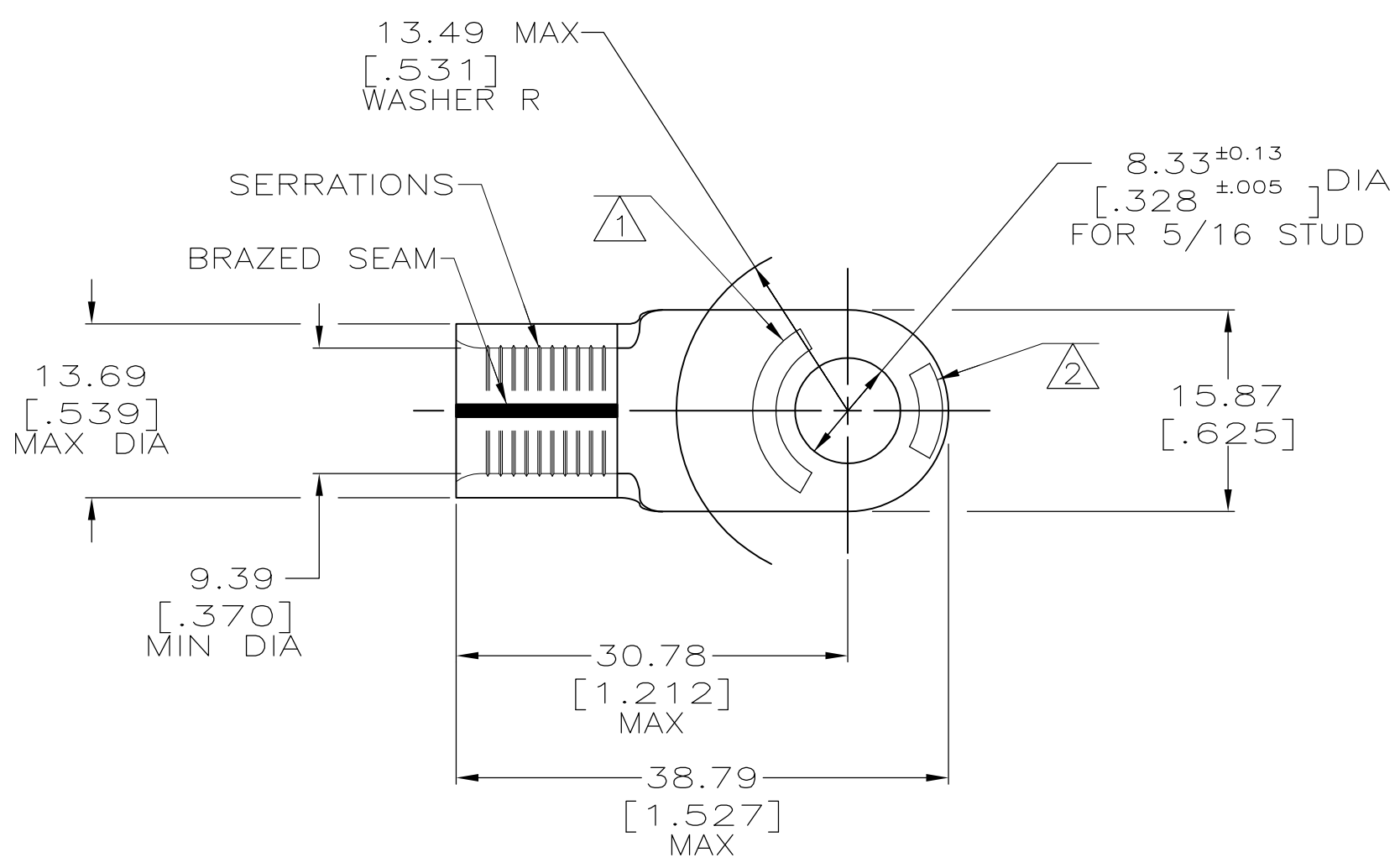
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RELEASED FOR PUBLICATION —.—. —

LOC	DIST			REVISIONS			
G	14	P	LTR	DESCRIPTION	DATE	DWN	APVD
			J2	REVISED PER ECO-11-004820	11MAR11	RK	HMR

AMP PART NUMBER	PACKAGE TYPE	QTY	
8-322870-3	LOOSE PIECE, BOX	25	△4
8-322870-5	LOOSE PIECE, BAG	10	OBSOLETE △4

AMP WIRE RANGE	UL Listed FILE E13288	LR7189 CSA Certified	MILITARY P/N AND CLASS
2 AWG SOLID OR STRANDED	2 AWG STRANDED	2 AWG SOLID OR STRANDED	MS 20659-147 CLASS 2 △6

13.49 MAX
[.531]
WASHER R

SERRATIONS

BRAZED SEAM

8.33 ±0.13
[.328 ±.005] DIA
FOR 5/16 STUD

△1

△2

13.69
[.539]
MAX DIA

15.87
[.625]

9.39
[.370]
MIN DIA

30.78
[1.212]
MAX

38.79
[1.527]
MAX

△1 STAMP AMP 2W* APPROX AS SHOWN

△2 STAMP 60-75 APPROX AS SHOWN

3 MATERIAL THK: 1.78 ±0.08 [.070 ±.003]

△4 TIN PL 0.00254[.000100] MIN THK PER MIL-T-10727

△5 NICKEL PL 0.00762[.000300] MIN EXT THK PER QQ-N-290

△7 GOLD PL 0.00127[.000050] MIN THK PER MIL-G-45204 OVER NICKEL PL 0.00076[.000030] MIN THK PER QQ-N-290

△8 OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI

△8 OBSOLETE	MAX TEMP RATING	FINISH	PART NO.
	343° C	△5	2-322870-2
	260° C	△7	2-322870-1
	170° C	△4	322870 △6

AMP INCORPORATED
CUSTOMER SERVICE SYSTEMS

FOR ADDITIONAL PRODUCT INFORMATION OR COPIES OF DRAWINGS AND TECHNICAL DOCUMENTS

PRODUCT INFORMATION CENTER
1-800-522-6752

FOR APPLICATION TOOLING INFORMATION

TOOLING ASSISTANCE CENTER
1-800-722-1111

FOR ORDER ENTRY
1-800-526-5142

MAX RECOMMENDED OPERATING TEMPERATURE:
SEE TABLE

VOLTAGE RATING:
N/A

CIRCULAR MIL AREA:
26.7-42.4mm² [52,600-83,700]
SOLID OR STRANDED

MATERIAL
COPPER ASTM B-152 ANNEALED

DIMENSIONS:
INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC	± —
1 PLC	± —
2 PLC	± 0.20[.008]
3 PLC	± —
4 PLC	± —
ANGLES	± —

FINISH
SEE TABLE

DWN DK SCHRUM 5/25/93
CHK RD HEIM 1/27/94
APVD JL MECKLEY 1/27/94
PRODUCT SPEC —
APPLICATION SPEC —
WEIGHT —

TE Connectivity

NAME
TERMINAL, RING TONGUE,
SOLISTRAND
—

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	C-322870	—

CUSTOMER DRAWING

SCALE 2:1 SHEET 1 OF 1 REV J2

1470-19 (3/11)