My Cart | My Part Lists | Sign In/Register   English (Change)

Have a Question?
Chat with a Product
Information Specialist

What can we help you find?

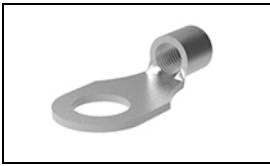**Products**   **Industries**   **Resources**   **About TE**   **My Account**   **Innovation**   **Support Center**

321271 Product Details

Share   Print   Email

321271

TE Internal Number: 321271

✓ 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

---

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 D)
- 3D Model (IGES, Version D)
- 3D Model (STEP, Version D)

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 = 5/16 [M8]
- Shape = RING-051
- Heavy Duty = No
- Finish = Tin

Termination Features:
- Wire/Cable Size (CMA) = 190,000 – 231,100

Dimensions:
- Stud Diameter (mm [in]) = 7.92 [0.312]
- Barrel I.D. Min. (mm [in]) = 16.13 [0.635]

Body Features:
- Body Style = SOLISTRAND
- Wire Range (mm [AWG]) = 100.00-125.00.0² [4/0]
- Material = Copper
- Stock Thickness (mm [in]) = 2.67 [0.105]

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

Industry Standards:
- Government/Industry Qualification = Yes
- Government/Industry Part Number = MS20659-157
- 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/Bulk

Other:
- Brand = AMP

LOC	DIST	REVISIONS					
G	14	P	LTR	DESCRIPTION	DATE	DWN	APVD
			D3	REVISED PER ECO-12-002699	13FEB12	KH	DR

27.38 R
[1.078]
MAX WASHER

DIMPLES

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

22.07
[.869]
MAX DIA

16.13
[.635]
MIN DIA

29.21
[1.150]
MAX

50.42
[1.985]
MAX

64.44
[2.537]
MAX
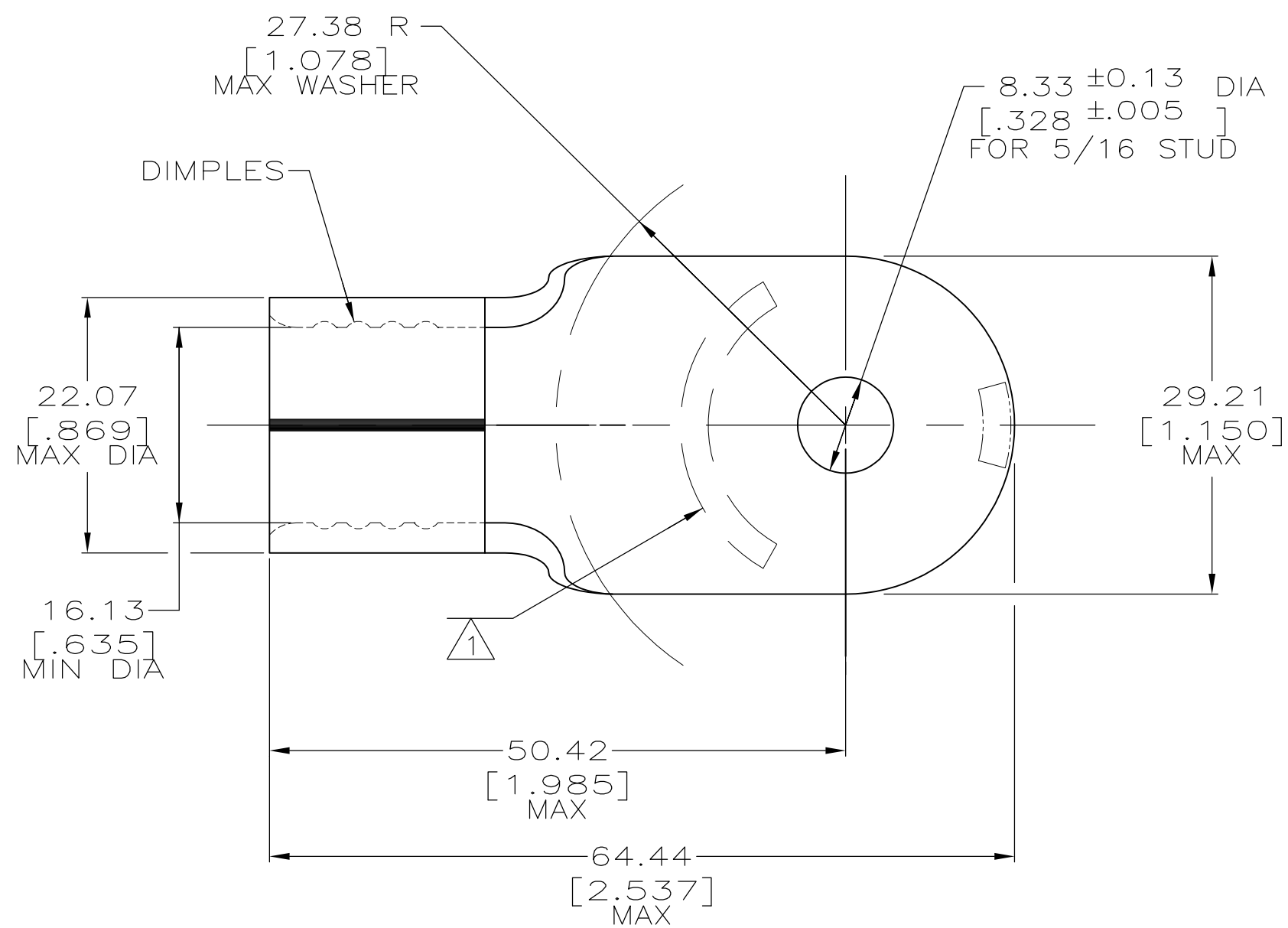
AMP WIRE RANGE	Listed FILE E13288	LR7189 Certified
4/0 AWG SOLID OR STRANDED	4/0 AWG SOLID OR STRANDED	4/0 AWG SOLID OR STRANDED

⚠1 STAMP AMP 4/0W* 200 APPROX AS SHOWN

2 MATERIAL THK: 2.59 ±0.08 [.102 ±.003]

⚠3 COPPER PER ASTM B-152, ANNEALED

⚠4 TIN PLATE 0.00254 [.000100] MIN EXT THK PER ASTM B545

⚠5 MEETS MS20659-157, CLASS 2

⚠6 NICKEL PLATE 0.00762 [.000300] MIN EXT THK PER SAE AMS QQ-N-290

⚠7 PART IS NOT UL LISTED OR CSA CERTIFIED

	RECOMMENDED OPERATING TEMP.	PART NUMBER
⚠7 ⚠6	343°C [650°F]	321271-1
⚠4	170°C [338°F]	⚠5 321271

CUSTOMER SERVICE SYSTEMS

DWN	DK SCHRUM	15MAY96
CHK	DM SWARTZ	01JUL96
APVD	JL MECKLEY	01JUL96

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC	± –
1 PLC	± –
2 PLC	± 0.20[.008]
3 PLC	± –
4 PLC	± –
ANGLES	± –

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

RECOMMENDED OPERATING TEMPERATURE: SEE TABLE

VOLTAGE RATING: NOT APPLICABLE

WIRE CROSS SECTIONAL AREA RANGE: 96.3-117.0mm² [190,000-231,100] CIR MILS STRANDED

MATERIAL ⚠3

FINISH SEE TABLE

PRODUCT SPEC

APPLICATION SPEC

WEIGHT —

NAME

TERMINAL, RING TONGUE, SOLISTRAND

≡TE TE Connectivity

SIZE A3	CAGE CODE 00779	DRAWING NO C-321271	RESTRICTED TO —

CUSTOMER DRAWING

| SCALE 2:1 | SHEET 1 OF 1 | REV D3 |

1470-19 (3/11)