321880 Product Details

321880

TE Internal Number: 321880

✔ Active

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

Documentation & Additional Information	
Product Drawings: • TERMINAL, RING TONGUE, SOLISTRAND@PZTM (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 F) • 3D Model (IGES, Version F) • 3D Model (STEP, Version F)	**Related Products:** • Tooling

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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]) = 12.70 [0.500]
- Stud Size = 1/2 [M12]
- Shape = RING-051
- Heavy Duty = No
- Finish = Tin

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

Dimensions:
- 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:
- Class = 2

Industry Standards:
- Government/Industry Qualification = Yes
- Government/Industry Part Number = MS20659-124
- 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

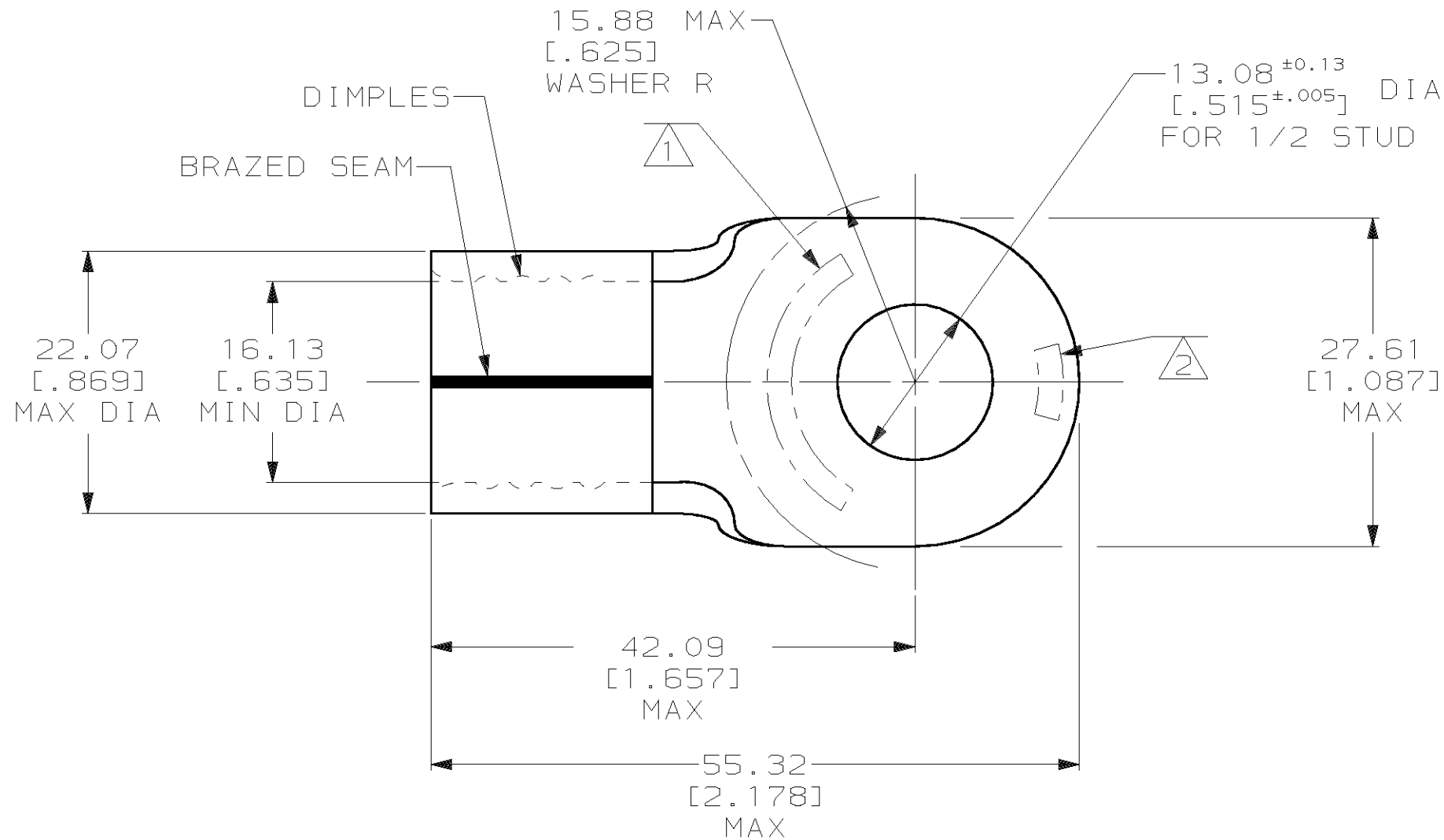**Packaging Features:**
- Packaging Method = Loose Piece

Other:
- Brand = AMP

LOC	DIST			REVISIONS				
G	14	P	F	ZONE	LTR	DESCRIPTION	DATE	APPD
					F	REV / 0G10-0049-99	06APR99	MLE MS

AMP PART NO	MATERIAL	PKG TYPE	QTY
8-321880-2	M/F 8-321880-0	BOX	50
8-321880-5	M/F 8-321880-0	SPL	5

AMP WIRE RANGE	UL E13288 Listed
4/0 AWG SOLID OR STRANDED	4/0 AWG SOLID OR STRANDED

CSA LR7189 Certified	MILITARY P/N AND CLASS
4/0 AWG SOLID OR STRANDED	MS 20659-124 CLASS 2

DIMPLES

BRAZED SEAM

15.88 MAX
[.625]
WASHER R

13.08 ±0.13
[.515 ±.005] DIA
FOR 1/2 STUD

$\boxed{1}$

$\boxed{2}$

22.07
[.869]
MAX DIA

16.13
[.635]
MIN DIA

27.61
[1.087]
MAX

42.09
[1.657]
MAX

55.32
[2.178]
MAX

$\triangle$ 1 STAMP AMP 4/0W* APPROX AS SHOWN

$\triangle$ 2 STAMP AMP 200 APPROX AS SHOWN

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

321880
PART NO

MAX RECOMMENDED OPERATING TEMPERATURE:
170°C MAX

VOLTAGE RATING:
NOT APPLICABLE

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

DO NOT SCALE PRINT.
UNLESS SPECIFIED DIMENSIONS IN mm [INCHES]
TOLERANCES ON:
2 PLC DEC ± 0.20[.008]
3 PLC DEC ± -
ANGLES ± -

MATERIAL
COPPER PER ASTM B-152 ANNEALED

FINISH
TIN PLATE
0.00254[.000100] MIN
THK PER ASTM B 545

DR	5/25/93 DK SCHRUM
CHK	1/27/94 RD HEIM
APPD	1/27/94 RE ROSER
APPD	1/27/94 CR RHOADS
PRODUCT SPEC	—
APPLICATION SPEC	—
WEIGHT	—

AMP Incorporated
Harrisburg, PA 17105-3608

NAME
TERMINAL, RING TONGUE, SOLISTRAND™

SIZE	CAGE CODE	DRAWING NO
B	00779	C-321880
SCALE 2:1	SHEET 1 OF 1	

CUSTOMER DRAWING