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320553 Product Details   ➕ Share   🖨 Print   ✉ Email

320553

TE Internal Number: 320553

✔ Active

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Ring and Spade Tongue Terminals

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

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

View all Features

Quick Links
- ▶ Pricing & Availability
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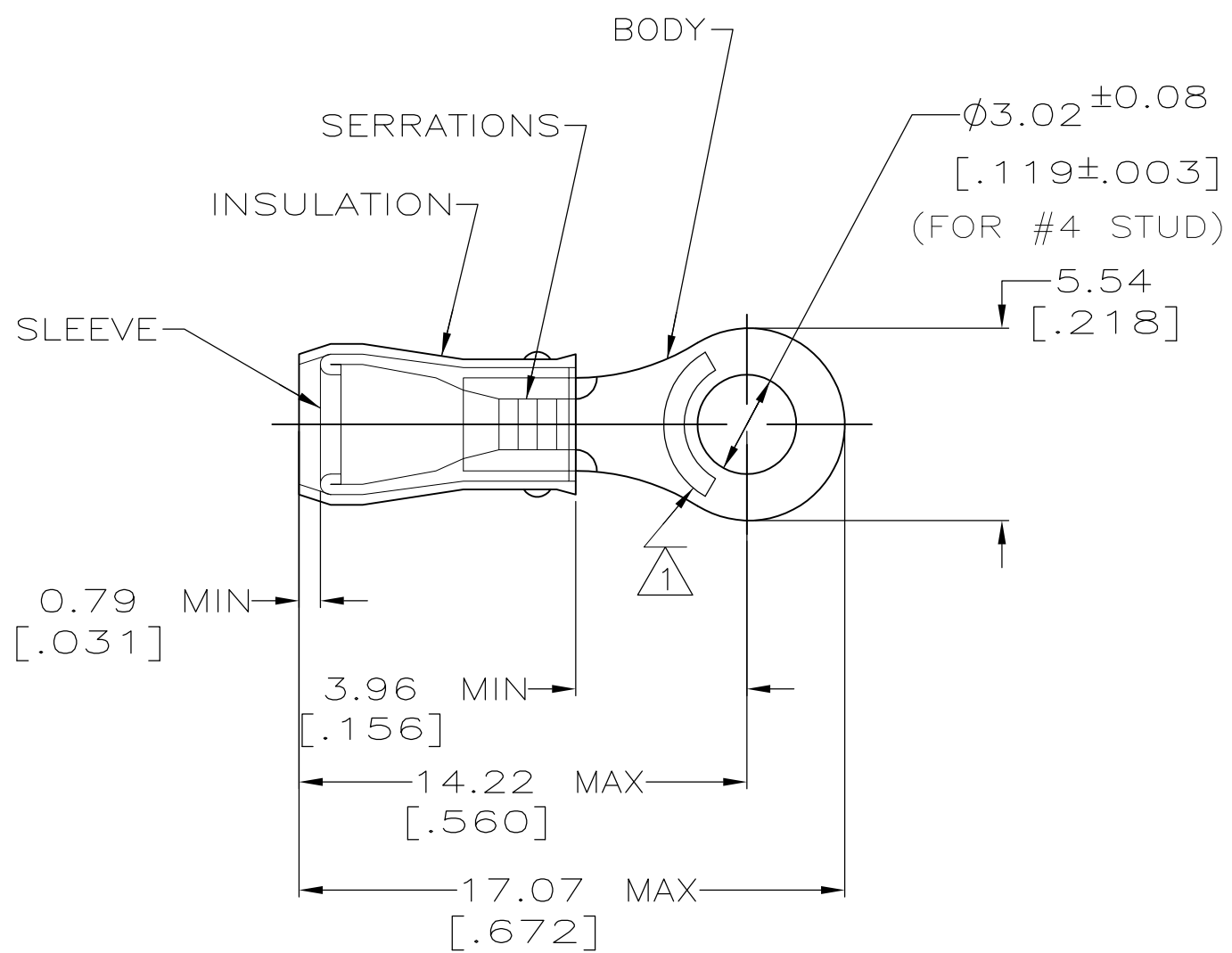Add to My Part List   Request Sample   Find Similar Products   Buy Product

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Documentation & Additional Information

Product Drawings:
- TERMINAL, RING TONGUE, PIDG TM , (PDF, English)

Catalog Pages/Data Sheets:
- None Available

Product Specifications:
- None Available

Application Specifications:
- Pre-Insulated Diamond Grip (PIDG) Terminals, Splices... (PDF, English)

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 = Yes
- Insulation Support = Insulation Support
- Stud Diameter (mm [in]) = 3.02 [0.119]
- Stud Size = 4
- Shape = RING-041
- Heavy Duty = No
- Finish = Tin
- Color = Red

Electrical Characteristics:
- Voltage (VAC) = 300

Termination Features:
- Wire/Cable Size (CMA) = 509 – 3,260

Dimensions:
- Insulation Diameter (mm [in]) = 2.03-3.18 [.080-.125]
- Length (mm [in]) = 17.07 [0.672]

Body Features:
- Body Style = PIDG
- Wire Range (mm [AWG]) = 0.30-1.40² [22-16]
- Material = Copper
- Tongue Material Thickness (mm [in]) = 0.79 [0.031]
- Insulation Material = Nylon

Contact Features:
- Class = 1 & 2

Industry Standards:
- Government/Industry Qualification = Yes
- Government/Industry Part Number = MS25036-148
- 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
- Packaging Quantity = 1,000

Other:
- Brand = AMP

| 4 | 3 | 2 | 1 |

LOC	DIST	REVISIONS						
G	14	P	LTR	DESCRIPTION		DATE	DWN	APVD
			J1	REVISED PER ECO−11−004820		11MAR11	RK	HMR

AMP WIRE RANGE	E13288	LR7189 Certified
22−16 AWG SOLID OR STRANDED	22−16 AWG SOLID OR STRANDED	22−16 AWG SOLID OR STRANDED

BODY

SERRATIONS

INSULATION

SLEEVE

Ø3.02 ±0.08
[.119±.003]
(FOR #4 STUD)

5.54
[.218]

△1

0.79 MIN
[.031]

3.96 MIN
[.156]

14.22 MAX
[.560]

17.07 MAX
[.672]

△1 STAMP AMP 22−18* APPROX AS SHOWN
22−16 TERMINALS ARE STAMPED 22−18 IN
ACCORDANCE WITH MILITARY SPEC MIL−T−7928
COMMERCIAL WIRE RANGE IS 22−16

2 WIRE INSUL DIA, 2.03−3.18 [.080−.125]

3 TONGUE MATERIAL THK, 0.79±0.05
[.031±.002]

	QTY	PACKAGE TYPE	PART NO
	___	_____	_____
	100	LOOSE PIECE, BOX	8−320553−1
MS25036−148 CLASS 2	5000	ON TAPE, REEL	2−320553−2
MS25036−148 CLASS 1&2	1000	LOOSE PIECE	320553
MILITARY P/N & CLASS	QTY	PACKAGE TYPE	PART NO

MAX RECOMMENDED OPERATING TEMPERATURE:
105°C [221 F]

VOLTAGE RATING:
300 V MAX
−

CIRCULAR MIL AREA:
0.26mm² −1.65mm² [509−3260]
−

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
mm [INCHES]

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

MATERIAL
BODY,SLV,COPPER PER ASTM B 152
INSUL,NYLON,COLOR,RED

FINISH
BODY & SLV,TIN PLATE
PER MIL−T−10727

DWN M ELLIS	24MAY95
CHK C PRESNELL	24MAY95
APVD N BIRCH	24MAY95
PRODUCT SPEC MIL−T−7928 & UL 486A	
APPLICATION SPEC —	
WEIGHT —	

TE TE Connectivity

NAME
TERMINAL, RING TONGUE, PIDG
TM
,

SIZE A3	CAGE CODE 00779	DRAWING NO C−320553		RESTRICTED TO —
			SCALE 4:1	SHEET 1 OF 1	REV J1

CUSTOMER DRAWING

1470−19 (3/11)