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320572 Product Details

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320572

TE Internal Number: 320572

✅ 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 = PIDG
- Barrel Type = Closed Barrel
- Wire/Cable Type = Regular Wire

View all Features

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Documentation & Additional Information

Product Drawings:
- TERMINAL, RING TONGUE, PIDG , WIRE SIZE, 22-16 AWG (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 AA)
- 3D Model (IGES, Version AA)
- 3D Model (STEP, Version AA)
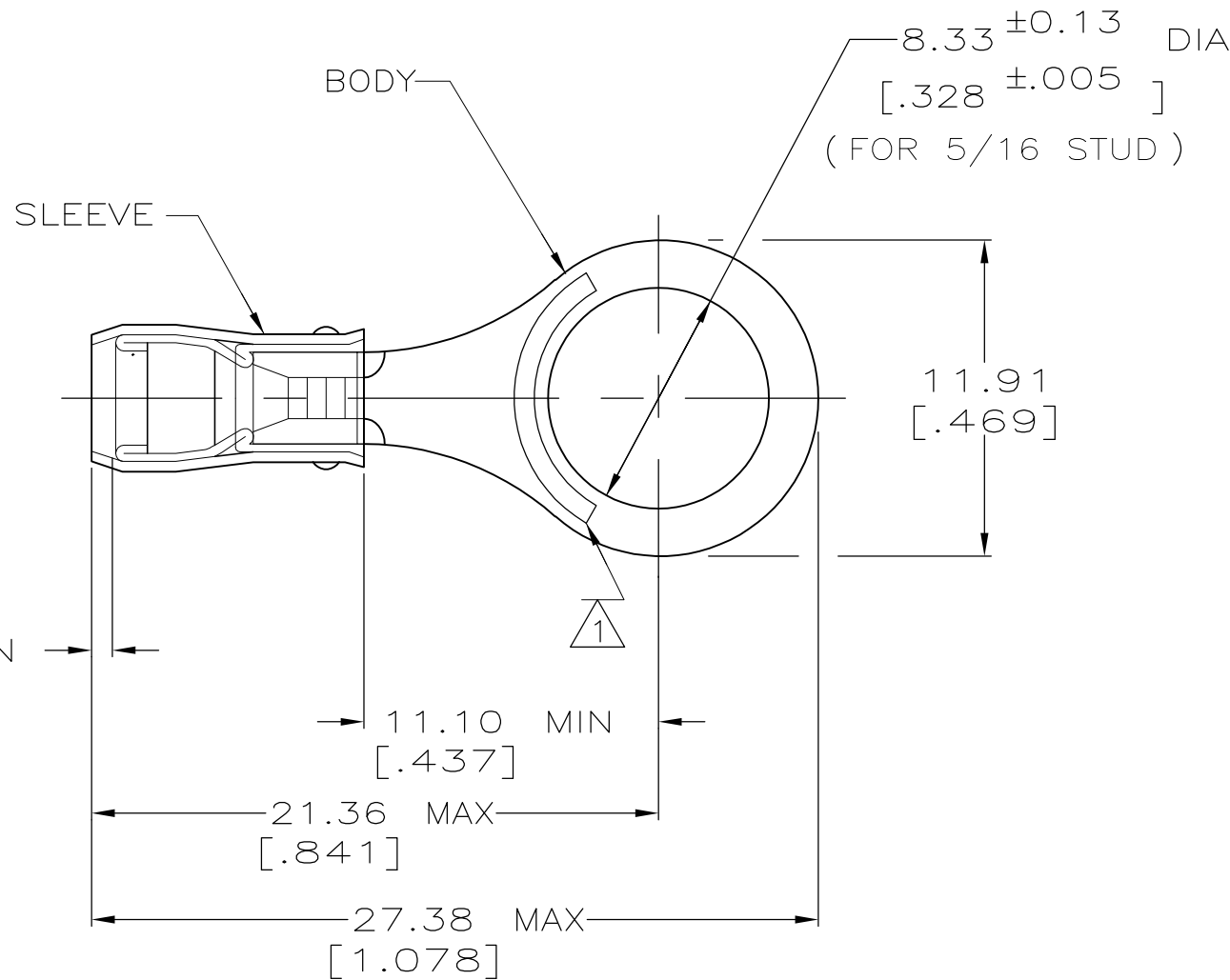
Related Products:
- Tooling

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]) = 7.92 [0.312]
- Stud Size = 5/16 [M8]
- 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]) = 3.56 [.140] Max.

Body Features:
- Body Style = PIDG
- Wire Range (mm [AWG]) = 0.30-1.40² [22-16]
- Material = Copper
- Tongue Material Thickness (mm [in]) = 0.84 [0.033]
- Insulation Material = Nylon

Contact Features:
- Class = 1 & 2

Industry Standards:
- Government/Industry Qualification = Yes
- Government/Industry Part Number = MS25036-104
- 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

LOC G

DIST 14

		REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD
	AA1	REVISED PER ECO-11-004820	11MAR11	RK	HMR

AMP WIRE RANGE	(UL) E13288 Listed	(CSA) LR7189 Certified
22-16 AWG SOLID OR STRANDED	22-16 AWG SOLID OR STRANDED	22-16 AWG SOLID OR STRANDED

BODY

SLEEVE

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

11.91
[.469]

△1

0.79 MIN
[.031]

11.10 MIN
[.437]

21.36 MAX
[.841]

27.38 MAX
[1.078]

△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 INSULATION DIA: 2.03-3.18[.080-.125]

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

	QUANTITY	PACKAGE TYPE	PART NO
–	100	LOOSE PIECE, BOX	8-320572-1
MS25036-104 CLASS 2	5000	ON TAPE, REEL	2-320572-1
MS25036-104 CLASS 1 & 2	1000	LOOSE PIECE	320572
MILITARY P/N AND CLASS			

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:
105° C MAX

VOLTAGE RATING:
300 V MAX

CIRCULAR MIL AREA:
0.26-1.65mm² [509-3,260] CIR MILS
SOLID OR STRANDED

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
COPPER PER ASTM B-152
SLEEVE, RED NYLON

FINISH
TIN PLATE
PER ASTM B 545

DWN DK SCHRUM	9/8/93
CHK RE HERSEY	9/8/93
APVD ML ELLIS	9/8/93
PRODUCT SPEC –	
APPLICATION SPEC NOT AVAILABLE	
WEIGHT –	

≡TE TE Connectivity

NAME
TERMINAL, RING TONGUE, PIDG™,
WIRE SIZE, 22-16 AWG

SIZE A3	CAGE CODE 00779	DRAWING NO C-320572	RESTRICTED TO –

CUSTOMER DRAWING

SCALE NTS SHEET 1 OF 2 REV AA1

LOC	DIST			REVISIONS			
G	14	P	LTR	DESCRIPTION	DATE	DWN	APVD
		–	SEE SHEET 1		–	–	–

AMP
WIRE RANGE

SEE TABLE
STRANDED

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

BODY
SLEEVE

3 STRIPES EQUALLY
SPACED FOR COLOR
CODE: SEE TABLE

11.91
[.469]

0.79 MIN
[.031]

11.10 MIN
[.437]

22.94 MAX
[.903]

28.96 MAX
[1.140]
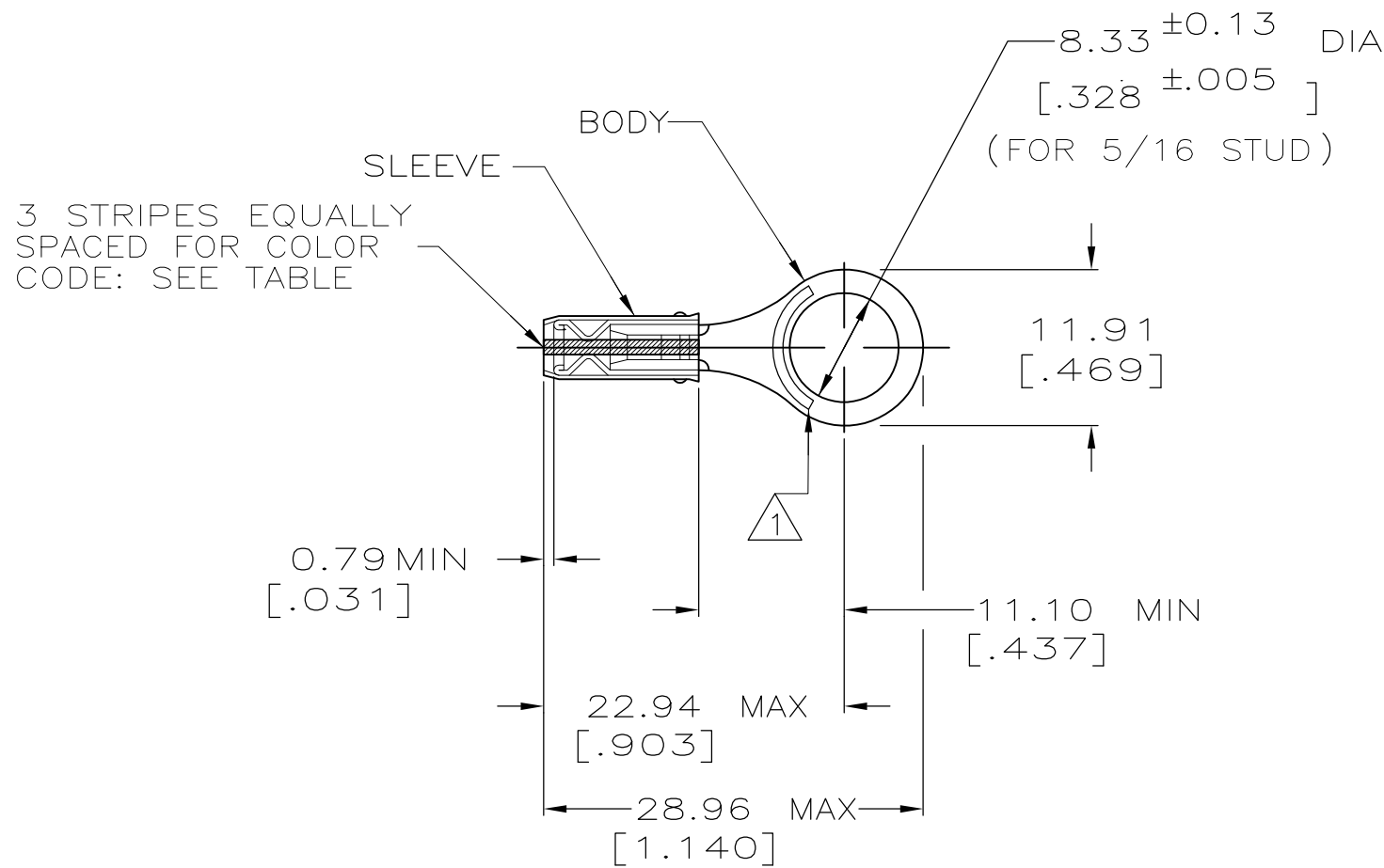
⚠1 STAMP AMP ⬡⬡⬡ APPROX AS SHOWN
SEE TABLE BELOW

2 WIRE INSULATION DIA: 0.97 — 2.79 FOR 22 AWG
[.038 — .110]
1.17 — 2.79 FOR 20 AWG
[.046 — .110]
1.42 — 2.79 FOR 18 AWG
[.056 — .110]

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

⚠4 PRELIMINARY — NOT FOR PRODUCTION

MILITARY P/N AND CLASS	STRIPE COLOR	⚠1 STAMPING	WIRE SIZE	QUANTITY	PACKAGE TYPE	PART NO
– / –	WHITE	18*	18	5000	ON TAPE	⚠4 2-320572-7
M7928/1-35 CLASS 1 & 2	WHITE	18*	18	1000	LOOSE PIECE	2-320572-4
M7928/1-26 CLASS 1 & 2	RED	20*	20	1000	LOOSE PIECE	2-320572-3
M7928/1-17 CLASS 1 & 2	GREEN	22*	22	1000	LOOSE PIECE	2-320572-2

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CUSTOMER SERVICE SYSTEMS

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1-800-522-6752

FOR APPLICATION
TOOLING ASSISTANCE CENTER

TOOLING INFORMATION
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FOR ORDER ENTRY
1-800-526-5142

MAX RECOMMENDED OPERATING TEMPERATURE: 105° C MAX

VOLTAGE RATING: 300 V MAX

WIRE RANGE:	CIRC MIL AREA
22	0.38mm² [754]
20	0.60mm² [1,186]
18	0.96mm² [1,900]
STRANDED	

MATERIAL
COPPER PER ASTM B-152
SLEEVE, RED NYLON

FINISH
TIN PLATE
PER ASTM B 545

DIMENSIONS: mm[INCHES]

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

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN	DK SCHRUM	9/8/93
CHK	RE HERSEY	9/8/93
APVD	ML ELLIS	9/8/93

PRODUCT SPEC
–

APPLICATION SPEC
NOT AVAILABLE

WEIGHT —

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NAME
TERMINAL, RING TONGUE, I.R.,
PIDG™, WIRE SIZE: 22-16 AWG

SIZE	CAGE CODE	DRAWING NO		RESTRICTED TO
A3	00779	C-320572		–

CUSTOMER DRAWING

SCALE NTS | SHEET 2 OF 2 | REV AA1