TE connectivity

🛒 **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

320571 Product Details   🞣 **Share**   🖨 **Print**   ✉ **Email**

320571

TE Internal Number: 320571

✔ 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

┌─ **Quick Links** ─────────────────────┐
- Pricing & Availability
- Search for Tooling
- Product Feature Selector
- Contact Us About This Product
└──────────────────────────────────────┘

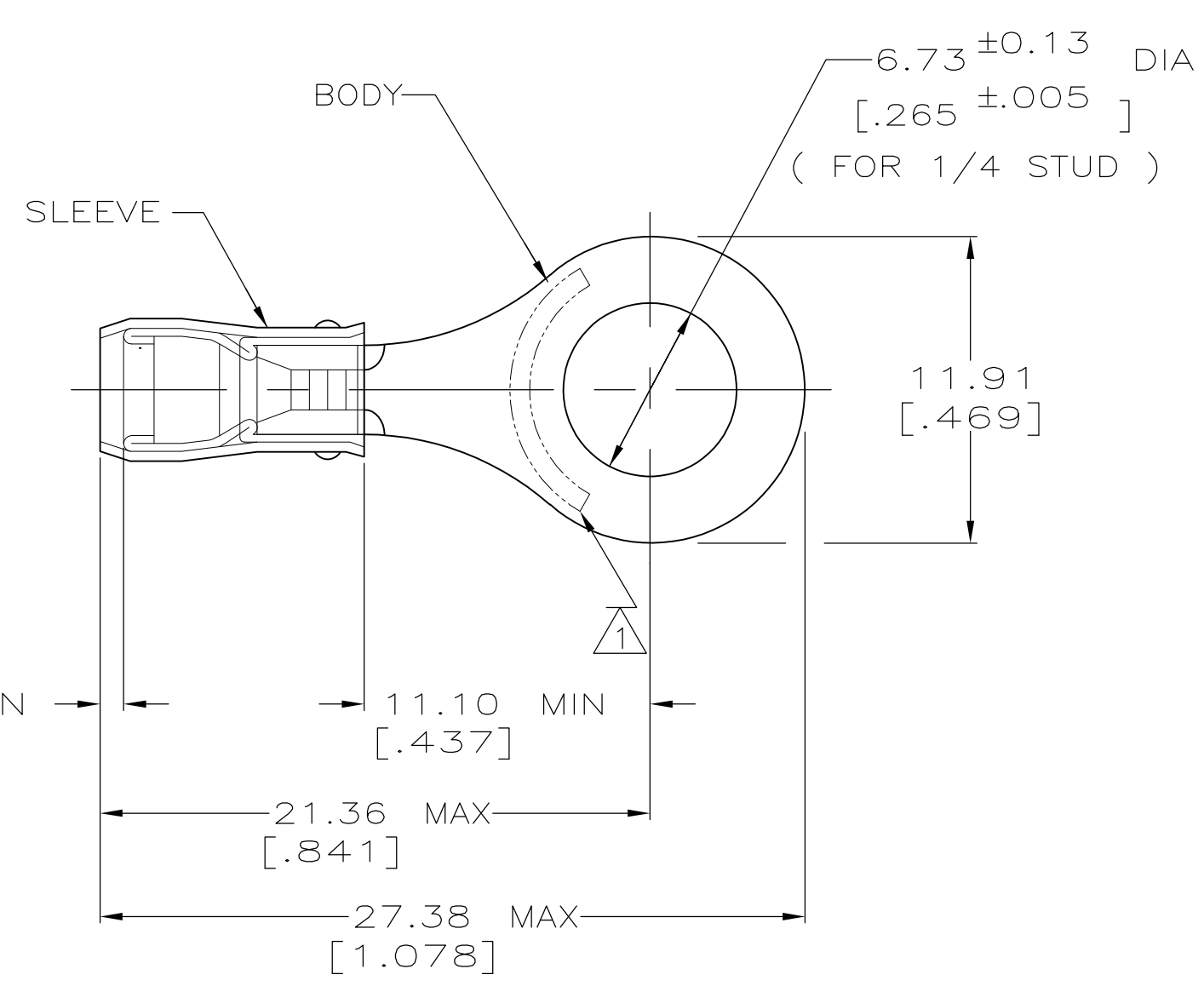Add to My Part List   Request Sample   Find Similar Products   Buy Product

---

Documentation & Additional Information

Product Drawings:
- TERMINAL, RING TONGUE, I.R., 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]) = 6.35 [0.250]
- Stud Size = 1/4 [M6]
- 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]) = 3.18 [.125] 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 = MS25036-150
- 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

Corporate Information   **Quick Links**   **Customer Support**

LOC	DIST			REVISIONS			
G	14	P	LTR	DESCRIPTION	DATE	DWN	APVD
			AA2	REVISED PER ECO-11-020114	04JAN12	KH	DR

BODY

SLEEVE

6.73 ±0.13 DIA
[.265 ±.005]
(FOR 1/4 STUD)

11.91
[.469]

0.79 MIN
[.031]

11.10 MIN
[.437]

21.36 MAX
[.841]

27.38 MAX
[1.078]

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

⚠1 STAMP AMP 22-18* APPROX AS SHOWN
22-16 TERMINALS ARE STAMPED 22-18 IN
ACCORDANCE WITH MILITARY SPEC SAE AS7928
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]

MILITARY P/N AND CLASS	QUANTITY	PACKAGE TYPE	PART NO
— / —	100	LOOSE PIECE, BOX	8-320571-1
MS25036-150 CLASS 2	5000	ON TAPE, REEL	2-320571-2
MS25036-150 CLASS 1 & 2	1000	LOOSE PIECE	320571

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
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 B545

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

PRODUCT SPEC
UL 486A

APPLICATION SPEC
NOT AVAILABLE

WEIGHT —

≡TE TE Connectivity

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

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	C-320571	—

CUSTOMER DRAWING

SCALE NTS   SHEET 1 OF 2   REV AA2

1470-19 (3/11)

LOC	DIST	REVISIONS					
G	14	P	LTR	DESCRIPTION	DATE	DWN	APVD
			—	SEE NOTE 1	—	—	—

AMP
WIRE RANGE

SEE TABLE
STRANDED

SLEEVE   BODY

6.73 ±0.13 DIA
[.265 ±.005]
(FOR 1/4 STUD)

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]
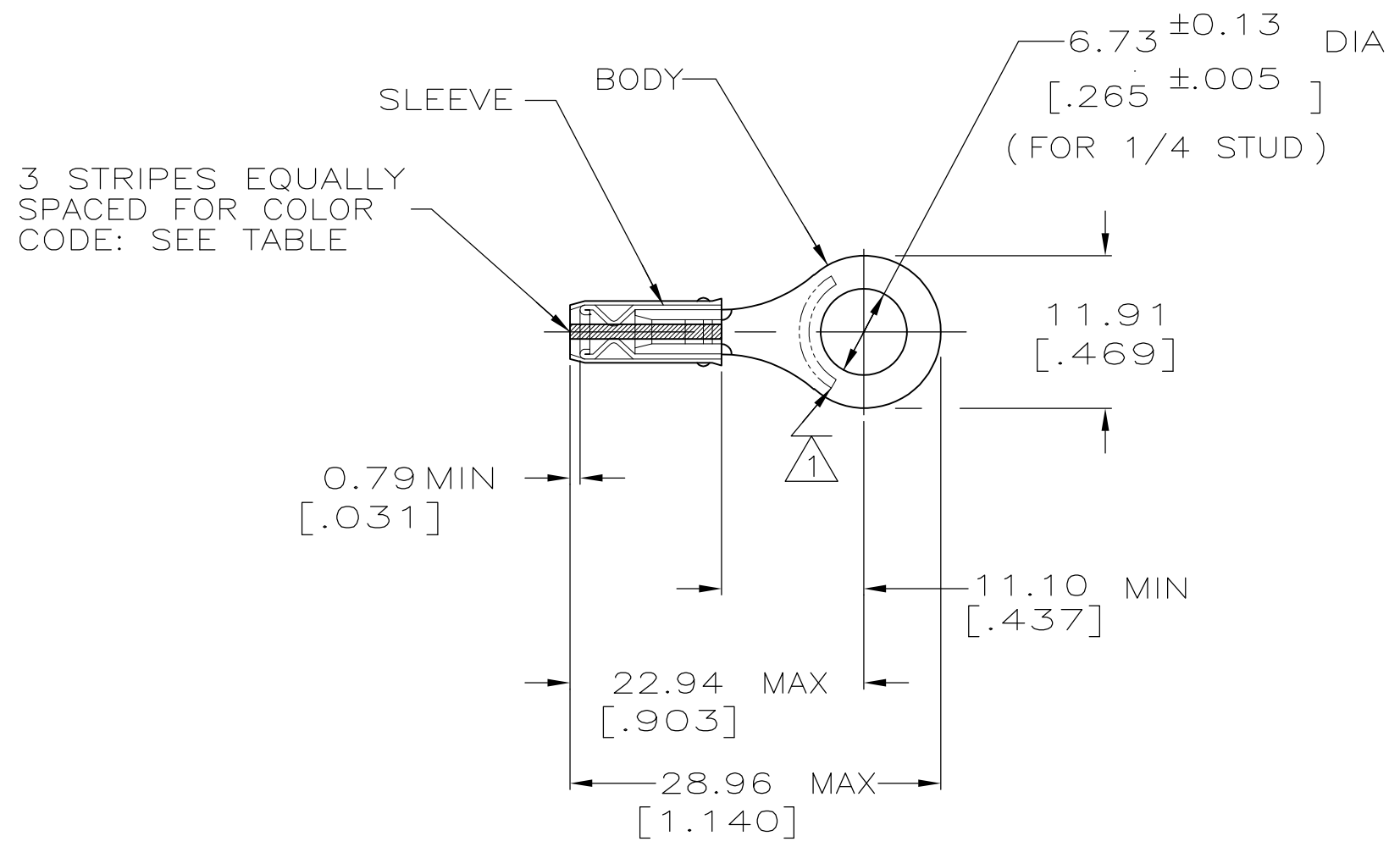
△1 STAMP AMP ⬭ APPROX AS SHOWN
SEE TABLE BELOW

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 2-320571-8
M7928/1-34 CLASS 1 & 2	WHITE	18*	18	1000	LOOSE PIECE	2-320571-5
M7928/1-25 CLASS 1 & 2	RED	20*	20	1000	LOOSE PIECE	2-320571-4
M7928/1-16 CLASS 1 & 2	GREEN	22*	22	1000	LOOSE PIECE	2-320571-3

AMP INCORPORATED
CUSTOMER SERVICE SYSTEMS

MAX RECOMMENDED OPERATING
TEMPERATURE: 105°C MAX

THIS DRAWING IS A CONTROLLED DOCUMENT.

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

≡TE TE Connectivity

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

DIMENSIONS:
MM[INCHES]

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

PRODUCT SPEC
—

APPLICATION SPEC
NOT AVAILABLE

MATERIAL
COPPER PER ASTM B-152
SLEEVE, RED NYLON

FINISH
TIN PLATE
PER ASTM B545

WEIGHT
—

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

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	C-320571	—

CUSTOMER DRAWING

SCALE NTS   SHEET 2 OF 2   REV AA2