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2-31886-2 Product Details

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2-31886-2

TE Internal Number: 2-31886-2

✔ 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:
- None Available

Instruction Sheets:
- None Available

CAD Files: (CAD Format & Compression Information)
- 2D Drawing (DXF, Version AA1)
- 3D Model (IGES, Version AA1)
- 3D Model (STEP, Version AA1)

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 = Yes
- Insulation Support = Insulation Support
- Stud Size = 8 [M4]
- Shape = RING-041
- Heavy Duty = No
- Finish = Tin
- Color = Red

Electrical Characteristics:
- Voltage (VAC) = 300

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

Body Features:
- Body Style = PIDG
- Wire Range (mm [AWG]) = 0.30-1.42² [22-16]
- Material = Copper
- Insulation Material = Nylon

Contact Features:
- Terminal Shape = Ring Tongue

Industry Standards:
- Government/Industry Qualification = No
- 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

Dimensions:
- Insulation Diameter (mm [in]) = 2.67 - 3.56 [.105 - .140]
- Stud Diameter (mm [in]) = 4.34 [0.171]
- Tongue Material Thickness (mm [in]) = 0.79 [0.031]

Packaging Features:
- Packaging Method = Tape Mounted
- Packaging Quantity = 5,000/Reel

Other:
- Brand = AMP

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AODA Accessibility Policy

AODA Multi-Year Accessibility Plan

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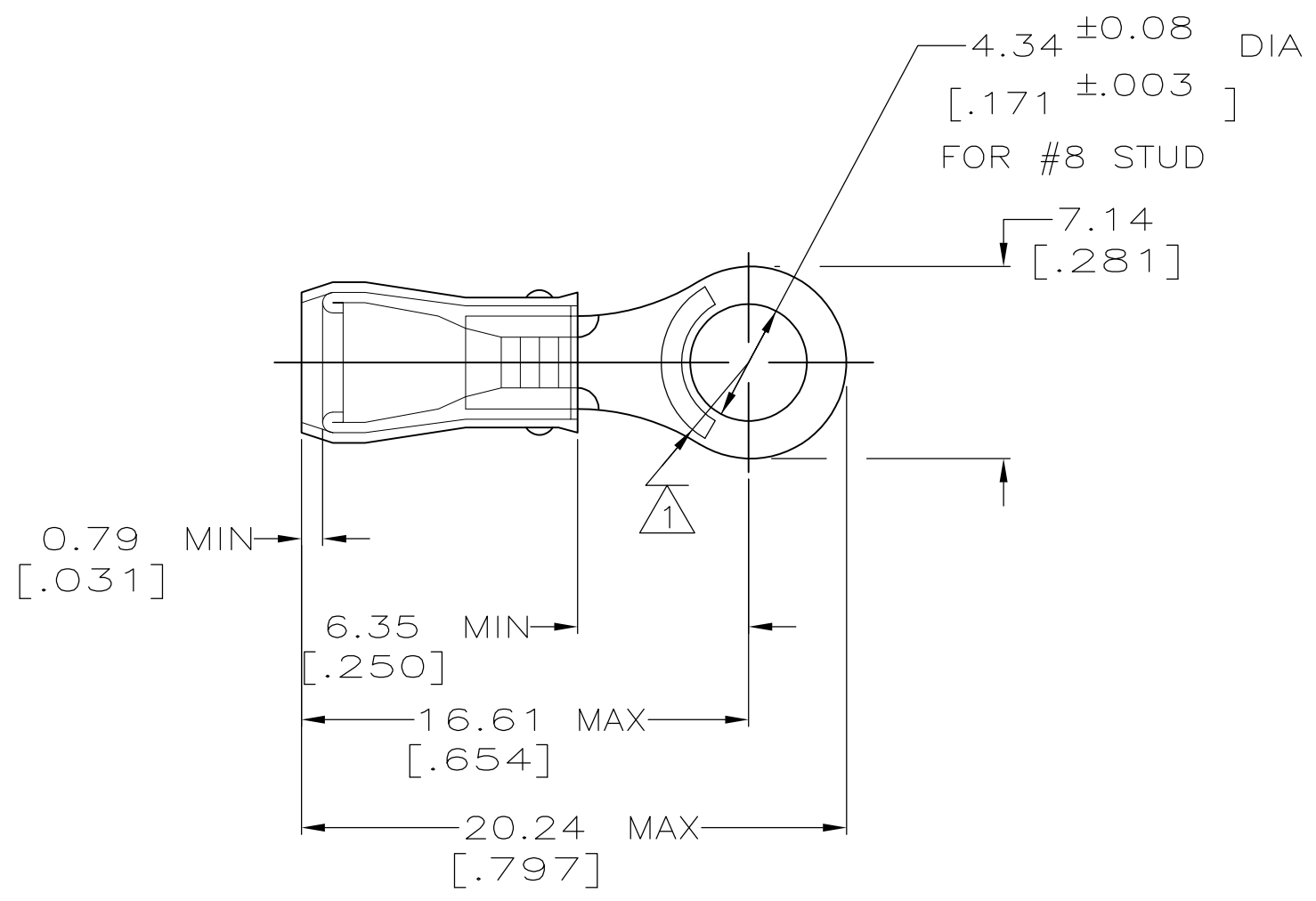
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LOC	DIST				REVISIONS			
G	14	P	LTR		DESCRIPTION	DATE	DWN	APVD
			AA2		REVISED PER ECO-11-004587	11MAR11	RK	HMR

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

4.34 ±0.08 DIA
[.171 ±.003]
FOR #8 STUD

7.14
[.281]

0.79 MIN
[.031]

6.35 MIN
[.250]

16.61 MAX
[.654]

20.24 MAX
[.797]

△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: .105 — .140

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

MILITARY P/N AND CLASS	QUANTITY	PACKAGE TYPE	PART NO
–	100	LOOSE PIECE, BOX	8-31886-1
–	5000	ON TAPE, REEL	2-31886-2
–	–	LOOSE PIECE	31886

MAX RECOMMENDED OPERATING TEMPERATURE:
105°C MAX

VOLTAGE RATING:
300 V MAX

WIRE CROSS SECTIONAL AREA RANGE:
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 02/11/93
CHK RE HERSEY 4/28/93
APVD ML ELLIS 4/28/93

PRODUCT SPEC
UL 486A

APPLICATION SPEC
NOT AVAILABLE

WEIGHT –

TE Connectivity

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

SIZE A3	CAGE CODE 00779	DRAWING NO C-31886	RESTRICTED TO —

CUSTOMER DRAWING

SCALE 4:1   SHEET 1 OF 1   REV AA2