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31894 Product Details

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31894

TE Internal Number: 31894

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](#)

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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 \(DXF, Version AE\)](#)
- [3D Model \(IGES, Version AE\)](#)
- [3D Model \(STEP, Version AE\)](#)

[List all Documents](#)

Related Products:

- [Tooling](#)

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 \[in\]\)](#) = 6.73 [0.265]
- [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 \[in\]\)](#) = 3.56 [.140] Max.

Body Features:

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

Conditions for Usage:

- [Temperature Range \(°C\)](#) = 105

Packaging Features:

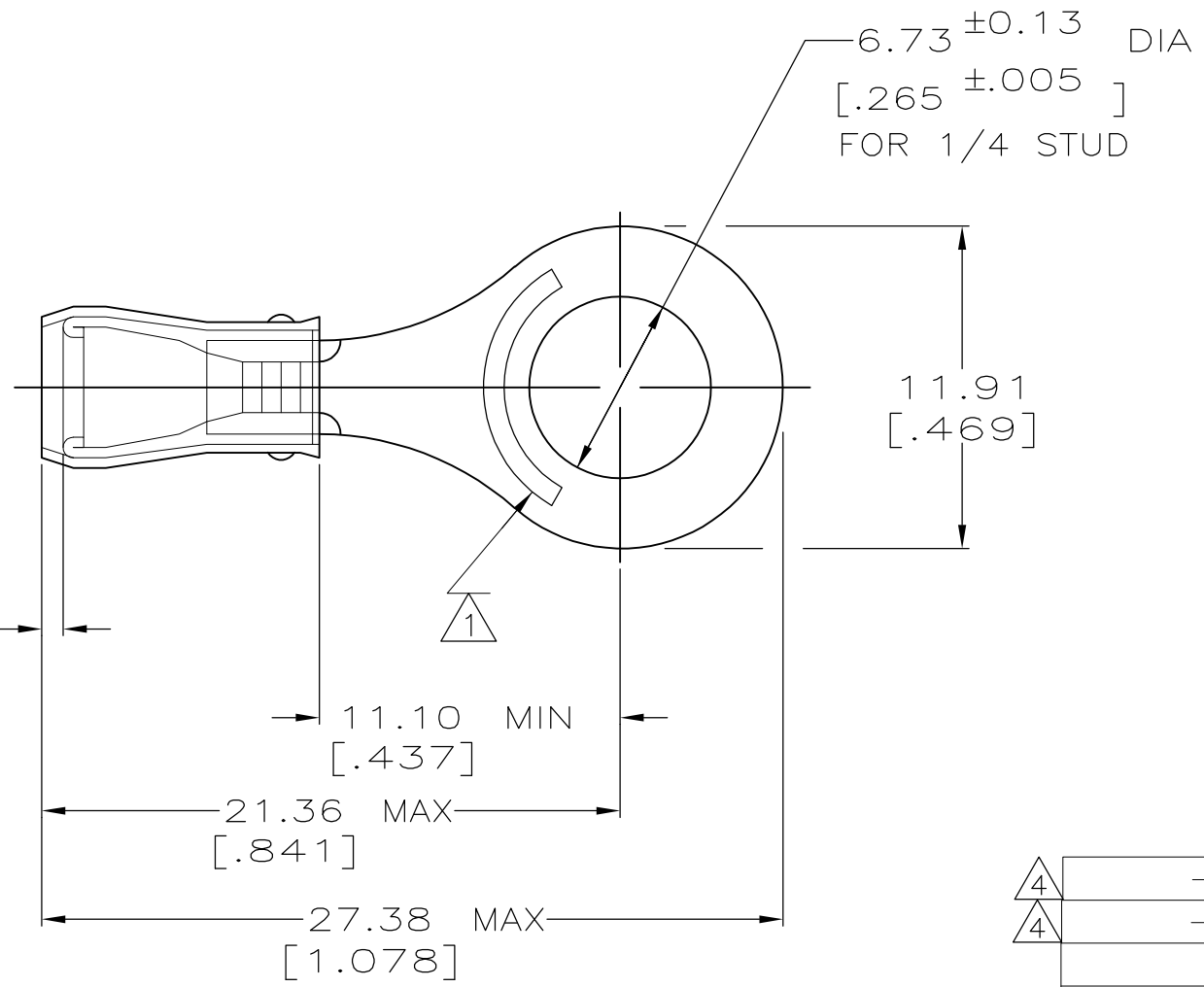
- [Packaging Method](#) = Loose Piece
- [Packaging Quantity](#) = 1,000

Other:

- [Brand](#) = AMP
- [Comment](#) = Available On-Tape for Automatic Termination.

LOC	DIST	REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD
G	14	V1	REVISED PER ECO-11-004587	11MAR11	RK HMR

AMP WIRE RANGE	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 MIL-T-7928
COMMERCIAL WIRE RANGE IS 22-16
- 2 WIRE INSUL DIA, 2.67-3.56 [.105-.140]
- 3 TONGUE MATERIAL THK, 0.79±0.05 [.031±.002]
- ④ SUPERSEDED BY 8-31894-5

④	MILITARY P/N AND CLASS	QUANTITY	PACKAGE TYPE	PART NO
④	-	25	LOOSE PIECE, BLS	9-31894-4
④	-	5	LOOSE PIECE, BLS	8-31894-4
-	-	100	LOOSE PIECE, SPECIAL BOX	8-31894-5
-	-	100	LOOSE PIECE, BOX	8-31894-1
-	MS 25036-150 CLASS 2	5000	ON TAPE, REEL	2-31894-2
-	MS 25036-150 CLASS 1 & 2	1000	LOOSE PIECE	31894

AMP INCORPORATED CUSTOMER SERVICE SYSTEMS		MAX RECOMMENDED OPERATING TEMPERATURE: 105° C [221° F]	THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN DK SCHRUM 02/11/93	TE Connectivity			
PRODUCT INFORMATION OR AND TECHNICAL DOCUMENTS	PRODUCT INFORMATION CENTER 1-800-522-6752	VOLTAGE RATING: 300 V MAX	DIMENSIONS: MM [INCHES]	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± - 1 PLC ± - 2 PLC ± 0.20[.008] 3 PLC ± - 4 PLC ± - ANGLES ± -	CHK RE HERSEY 4/28/93	NAME ML ELLIS			
FOR APPLICATION TOOLING INFORMATION	TOOLING ASSISTANCE CENTER 1-800-722-1111	WIRE CROSS SECTIONAL AREA RANGE: 0.26-1.65mm ² [509-3,260] CIR MILS		FINISH TIN PLATE PER ASTM B 545	APVD ML ELLIS 4/28/93	PRODUCT SPEC UL 486A			
FOR ORDER ENTRY	1-800-526-5142	THIS DRAWING IS A CONTROLLED DOCUMENT FOR AMP INCORPORATED. IT IS SUBJECT TO CHANGE AND THE CONTROLLING ENGINEERING ORGANIZATION SHOULD BE CONTACTED FOR THE LATEST REVISION.	MATERIAL COPPER PER ASTM B-152 SLEEV, RED, NYLON		APPLICATION SPEC NOT AVAILABLE	SIZE A3	CAGE CODE 00779	DRAWING NO C-31894	RESTRICTED TO -
				CUSTOMER DRAWING	WEIGHT -	SCALE 4:1	SHEET 1 OF 1	REV V1	