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52453 Product Details

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52453

TE Internal Number: 52453

✅ Active

📄 View 3D PDF

Ring and Spade Tongue Terminals

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

Product Highlights:
- Terminal Shape = Spring Spade, Long
- Receptacle Style = Straight
- Body Style = PLASTI-GRIP
- Barrel Type = Closed Barrel
- Wire/Cable Type = Regular Wire

View all Features

┌─ **Quick Links** ───────────────┐
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Documentation & Additional Information

Product Drawings:
- TERMINAL, SPRING SPADE, LONG, PLASTI-GRIP, WIRE SIZE... (PDF, English)

Catalog Pages/Data Sheets:
- None Available

Product Specifications:
- None Available

Application Specifications:
- PLASTI-GRIP Terminals and Splices (PDF, English)

Instruction Sheets:
- None Available

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

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 = 6 [M3.5]
- Shape = SPADE-033
- Heavy Duty = No
- Finish = Tin
- Color = Red

Electrical Characteristics:
- Voltage (VAC) = 600

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

Dimensions:
- Insulation Diameter (mm [in]) = 3.56 [.140] Max.
- Stud Diameter (mm [in]) = 3.51 [0.138]
- Tongue Material Thickness (mm [in]) = 1.07 [0.042]

Body Features:
- Body Style = PLASTI-GRIP
- Wire Range (mm [AWG]) = 0.30-1.42² [22-16]
- Material = Phosphor Bronze
- Insulation Material = Vinyl

Contact Features:
- Terminal Shape = Spring Spade, Long

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

Conditions for Usage:
- Temperature Range (°C) = 90

Packaging Features:
- Packaging Method = Loose Piece
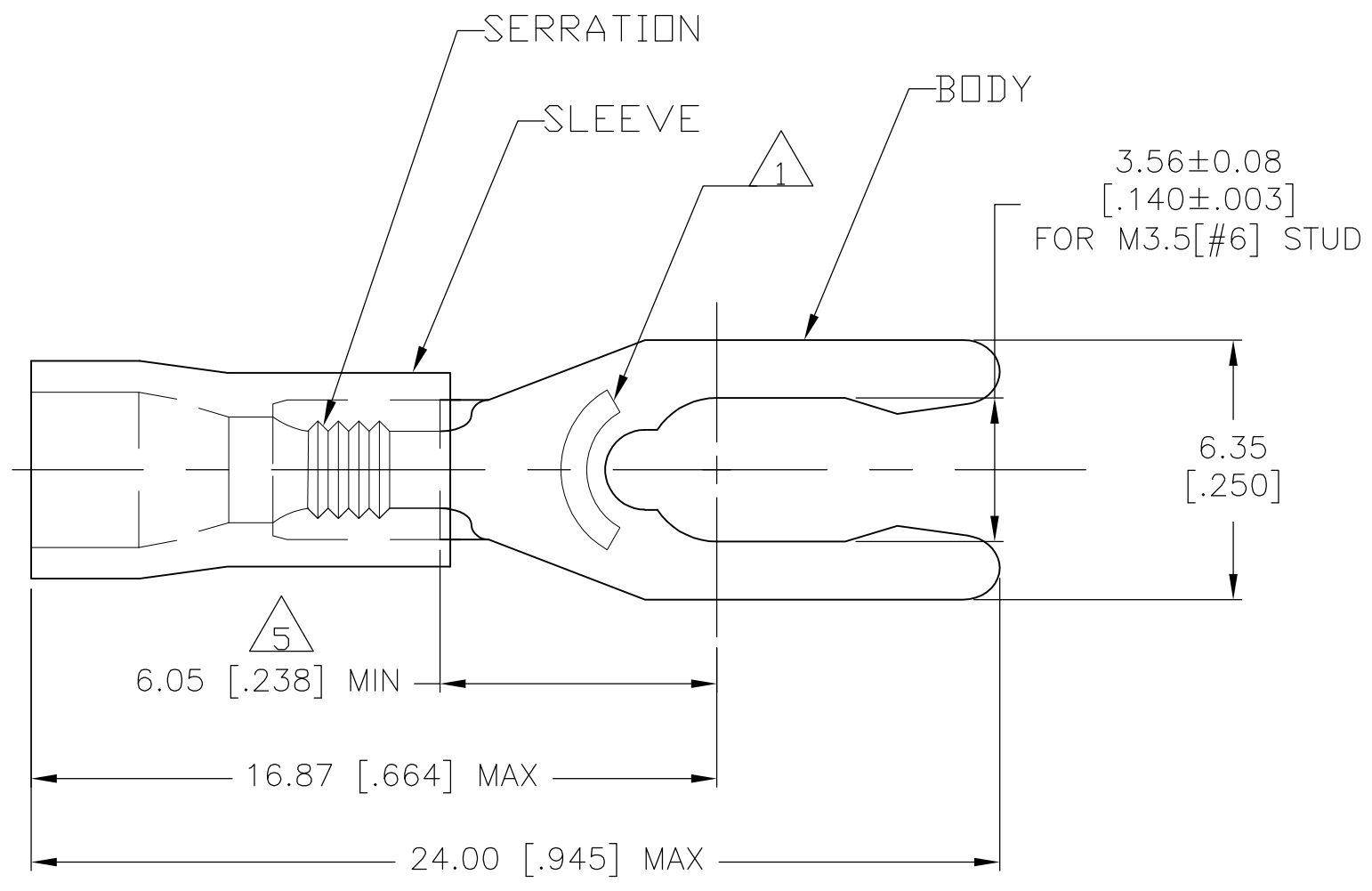- Packaging Quantity = 1,000

Other:
- Brand = AMP

RELEASED FOR PUBLICATION   —,— .

LOC	DIST				REVISIONS			
G	14	P	LTR		DESCRIPTION	DATE	DWN	APVD
			R1	REV PER ECO-12-014455		13SEP12	KH	DR

AMP WIRE RANGE	UL Listed FILE E13288	CSA® 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 INSUL DIA, 2.67-3.56 [.105-.140]

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

△4 MATERIAL: BODY — BRASS. PER ASTM B36
SLEEVE — PVC, COLOR — RED

△5 APPLIES FROM THE EDGE OF METAL BARREL TO THE CENTER OF THE STUD.

SERRATION

SLEEVE

BODY

△1

3.56±0.08 [.140±.003] FOR M3.5[#6] STUD

6.35 [.250]

△5

6.05 [.238] MIN

16.87 [.664] MAX

24.00 [.945] MAX

100	LOOSE PIECE,BOX	8-52453-1
5000	ON TAPE, REEL	52453-1
1000	LOOSE PIECE	52453
QTY	PACKAGE TYPE	PART NO

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

VOLTAGE RATING: 600V MAX (1000V FIXTURE OR SIGN)

CIRCULAR MIL AREA: 0.26-1.65mm²[509-3260] SOLID OR STRANDED

DIMENSIONS: mm [INCHES]

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

MATERIAL | △4 | FINISH TIN PER ASTM B545

DWN L OLMEDA	26JUN95
CHK M ELLIS	26JUN95
APVD G NGO	26JUN95
PRODUCT SPEC	UL 486A-B
APPLICATION SPEC	—
WEIGHT	—

≡TE TE Connectivity

NAME TERMINAL, SPRING SPADE, LONG, PLASTI-GRIP, WIRE SIZE: 22-16 AWG

| SIZE A3 | CAGE CODE 00779 | DRAWING NO C-52453 | RESTRICTED TO — |

CUSTOMER DRAWING | SCALE 6:1 | SHEET 1 OF 1 | REV R1

1470-19 (3/11)