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320568 Product Details

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320568

TE Internal Number: 320568

✔ 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

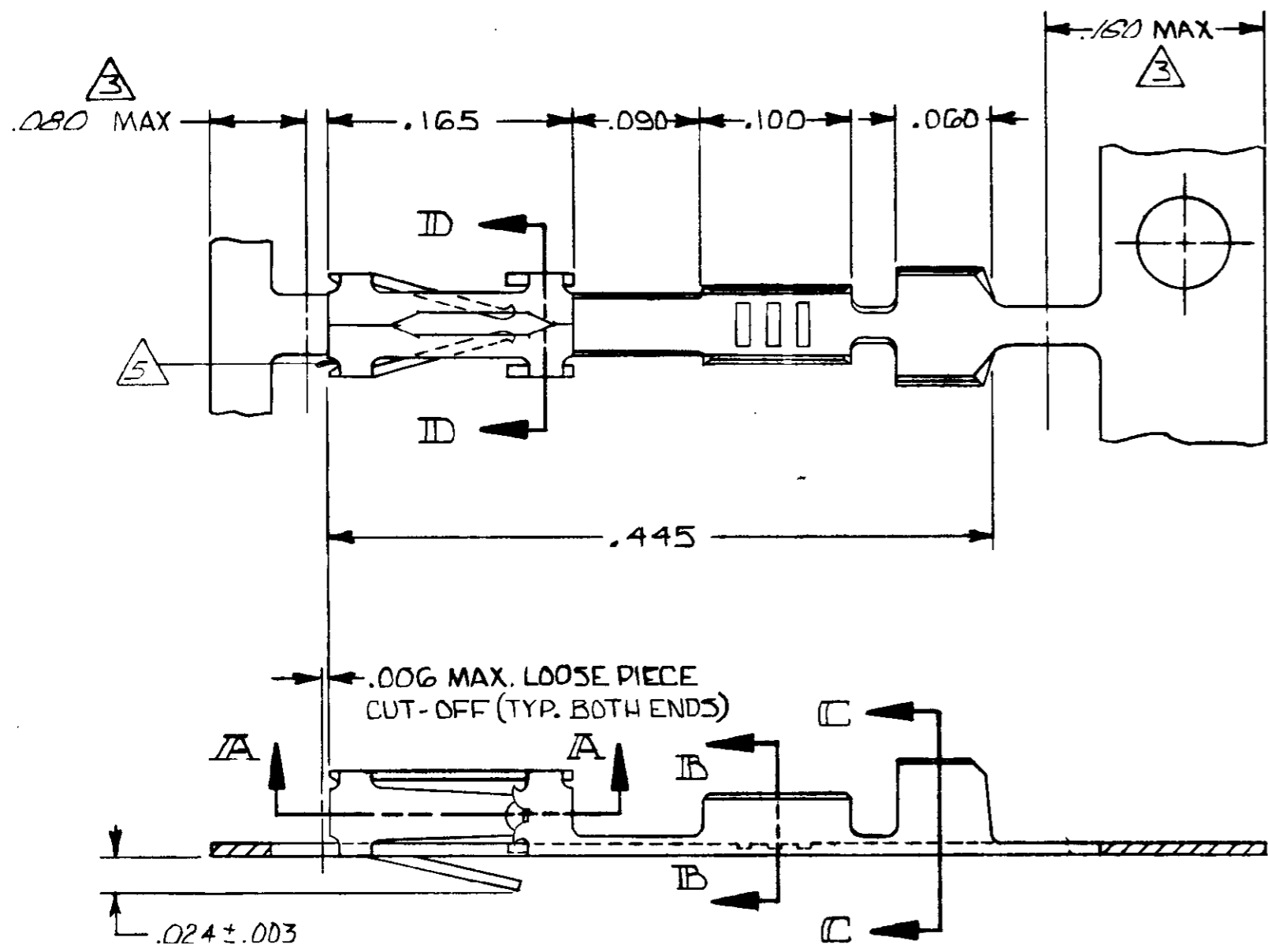Add to My Part List   Request Sample   Find Similar Products   Buy Product

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Documentation & Additional Information

Product Drawings:
- TERMINAL, RING TONGUE, PIDG WIRE SIZE: 12-10 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 T3)
- 3D Model (IGES, Version T3)
- 3D Model (STEP, Version T3)
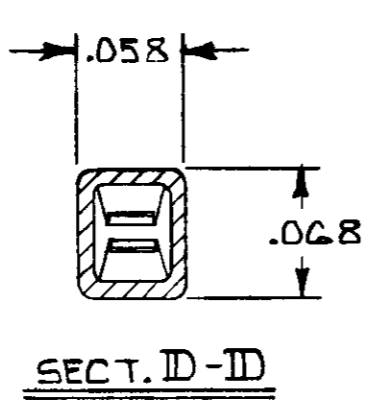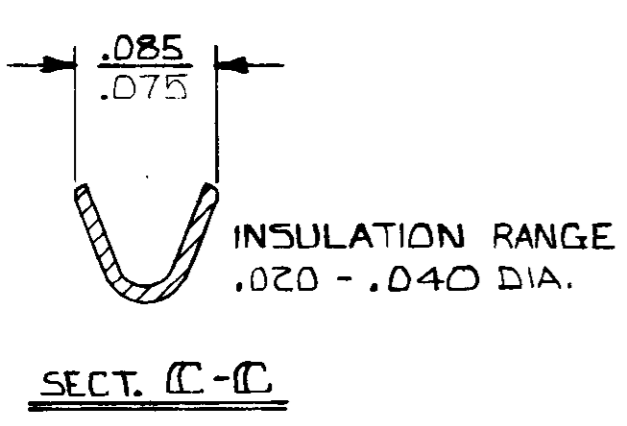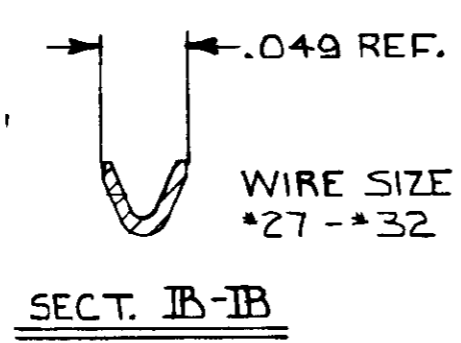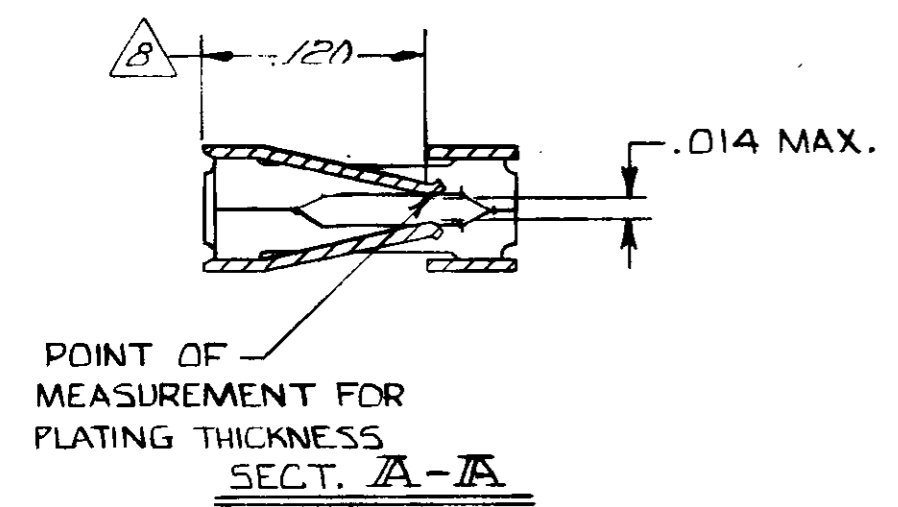
List all Documents

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]) = 4.17 [0.164]
- Stud Size = 8 [M4]
- Shape = RING-041
- Heavy Duty = No
- Finish = Tin
- Color = Yellow

Electrical Characteristics:
- Voltage (VAC) = 300

Termination Features:
- Wire/Cable Size (CMA) = 5,180 – 13,100

Dimensions:
- Insulation Diameter (mm [in]) = 5.84 [.230] Max.

Body Features:
- Body Style = PIDG
- Wire Range (mm [AWG]) = 3.00-6.00² [12-10]
- Material = Copper
- Tongue Material Thickness (mm [in]) = 1.07 [0.042]
- Insulation Material = Nylon

Contact Features:
- Class = 1 & 2

Industry Standards:
- Government/Industry Qualification = Yes
- Government/Industry Part Number = MS25036-156
- 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
- Comment = Available On-Tape for Automatic Termination.

THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION

		REVISIONS			
P	F	ZONE	LTR	DESCRIPTION	DATE	APPROVED
			M2	REVISED PER ECO-11-005140	31MAR11	HMR

D

.080 MAX
△3

.165   .090   .100   .060

.160 MAX
△3

ID

ID

△5

.445

.006 MAX. LOOSE PIECE
CUT-OFF (TYP. BOTH ENDS)

IA   IA

IB

IB

C

C

.024 ±.003

C

△8   .120

.014 MAX.

.049 REF.

WIRE SIZE
#27 - #32

POINT OF
MEASUREMENT FOR
PLATING THICKNESS
SECT. IA-IA

SECT. IB-IB

B

.085
.075

INSULATION RANGE
.020 - .040 DIA.

SECT. C-C

.058

.068

SECT. ID-ID

A

△1   .000030 GOLD ON CONTACT AREA, GOLD FLASH ON REMAINDER, OVER .000050 NICKEL.

△2   .000015 GOLD ON CONTACT AREA, GOLD FLASH ON THE REMAINDER, OVER .000050 NICKEL.

△3   GOLD PLATING NOT REQUIRED IN THIS AREA.

△4   .000100 - .000200 BRIGHT TIN OVER .000030 NICKEL.

△5   CUT OUTS ON BOX AT MANUFACTURER'S OPTION.

△6   .000050 GOLD ON CONTACT AREA, GOLD FLASH ON THE REMAINDER, OVER .000050 NICKEL.

△7   .000015 GOLD ON CONTACT AREA, .000050 NICKEL OVER THE ENTIRE TERMINAL

△8   POINT OF MEASUREMENT FOR PLATING THICKNESS (INSIDE BEAMS).

△9   OBSOLETED PART NUMBER.

△10   SUPERSEDED BY 102917-2.

△11   OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI

102917

	LOOSE PIECE PART NO.	FINISH	PART NO
OBSOLETE	1- △9 -4	△4	1-102917-3
△11 OBSOLETE	1-102917-2	△6	1-102917-1
	102917-6	△2	102917-5
OBSOLETE	102917-4	△4	102917-3
	102917-2	△1	102917-1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.
TOLERANCES ON:
DECIMALS ± .005
ANGLES ±

CONTRACT NO

DR L. A. Cool 3/15/82
CHR J. J. Dingley 3/24/88
APPD R. Chili 3/25/82
APPD M. Yragot 3/26/82
DSGN APPD

MATERIAL
BERYLLIUM COPPER
.008 THK.

FINISH
SEE TABLE

OTHER APPD

≡TE   TE Connectivity

NAME
CONTACT, FEMALE, MOD IV,
CRIMP SNAP-IN

SIZE	FSCM NO	DRAWING NO
C	00779	102917

SCALE   SHEET 1 OF 1