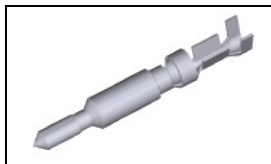


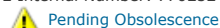


770252-2 Product Details

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770252-2

TE Internal Number: 770252-2


[Search for Replacement Parts](#)


View 3D PDF

.250" Centerline, 600 V, 19 - 36 A max

Not EU RoHS or ELV Compliant ([Find RoHS Compliant Alternates](#))

Product Highlights:

- Universal MATE-N-LOK II Product Line
- Wire-to-Wire
- Applies To Wire/Cable
- Contact
- Contact Type = Pin

[View all Features](#)
Quick Links

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Documentation & Additional Information**Product Drawings:**

- [PIN, LOOSE PIECE, UNIVERSAL MATE-N-LOK\(TM\) II \(PDF, English\)](#)

Catalog Pages/Data Sheets:

- [SOFT_SHELL_PIN_SOCKET_CONNECTORS_STANDARD_DENSITY \(PDF, English\)](#)

Product Specifications:

- [Connector, Universal MATE-N-LOK II \(PDF, English\)](#)
- [Circular Multi-Pin Connector \(PDF, English\)](#)

Application Specifications:

- [Universal MATE-N-LOK II Connectors \(PDF, English\)](#)

Instruction Sheets:

- None Available

CAD Files: (CAD Format & Compression Information)

- [2D Drawing \(DXF, Version F\)](#)
- [3D Model \(IGES, Version F\)](#)
- [3D Model \(STEP, Version F\)](#)

[List all Documents](#)
Additional Information:

- [Product Line Information](#)

Related Products:

- [Tooling](#)
- [Housings \(15\)](#)

Product Features (Please use the Product Drawing for all design activity)**Product Type Features:**

- Product Line = Universal MATE-N-LOK II
- Product Type = Contact
- Sealed = No
- Wire/Cable Type = Discrete Wire
- UL File Number = E28476
- CSA File Number = LR 7189

Mechanical Attachment:

- Contact Retention = Without

Electrical Characteristics:

- Operating Voltage Reference = AC
- Operating Voltage (VAC) = 600

Termination Features:

- Wire/Cable Size (mm²) = 0.2 - 0.8
- Wire/Cable Size (AWG) = 18 - 24
- Termination Method to Wire/Cable = Crimp

Body Features:

- Wire Type = Stranded
- Underplate Material Thickness (µm [µin]) = 1.27 [50.000]

Contact Features:

- Contact Type = Pin
- Contact Base Material = Brass
- Contact Plating - Mating Area - Material = Gold

Configuration Features:

- Strain Relief = Without

Industry Standards:

- Agency/Standard = UL, CSA
- [RoHS/ELV Compliance](#) = Not ELV/RoHS compliant
- [Lead Free Solder Processes](#) = Not relevant for lead free process
- VDE Tested = Yes
- UL Rating = Recognized
- CSA Rating = Certified

Environmental:

- Operating Temperature (°C [°F]) = -55 - +120 [-67 - +248]

Conditions for Usage:

- Applies To = Wire/Cable
- Glow Wire Rating = Standard Part - Not Glow Wire
- Accepts Wire Insulation Diameter, Range (mm [in]) = 1.02 - 2.54 [0.040 - 0.100]
- For Use With = Standard Universal MATE-N-LOK(Socket)

Operation/Application:

- Application Use = Wire-to-Wire

Packaging Features:

- Packaging Method = Bag
- Packaging Quantity = 1,000

- Multiple Contact Types = Without
- Contact Plating, Mating Area, Thickness (μm [μin]) = 0.76 [29.92]
- Underplate Material = Nickel

- Other:**
- Brand = AMP

Corporate Information

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Quick Links

- [Distributor Inventory](#)
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Customer Support

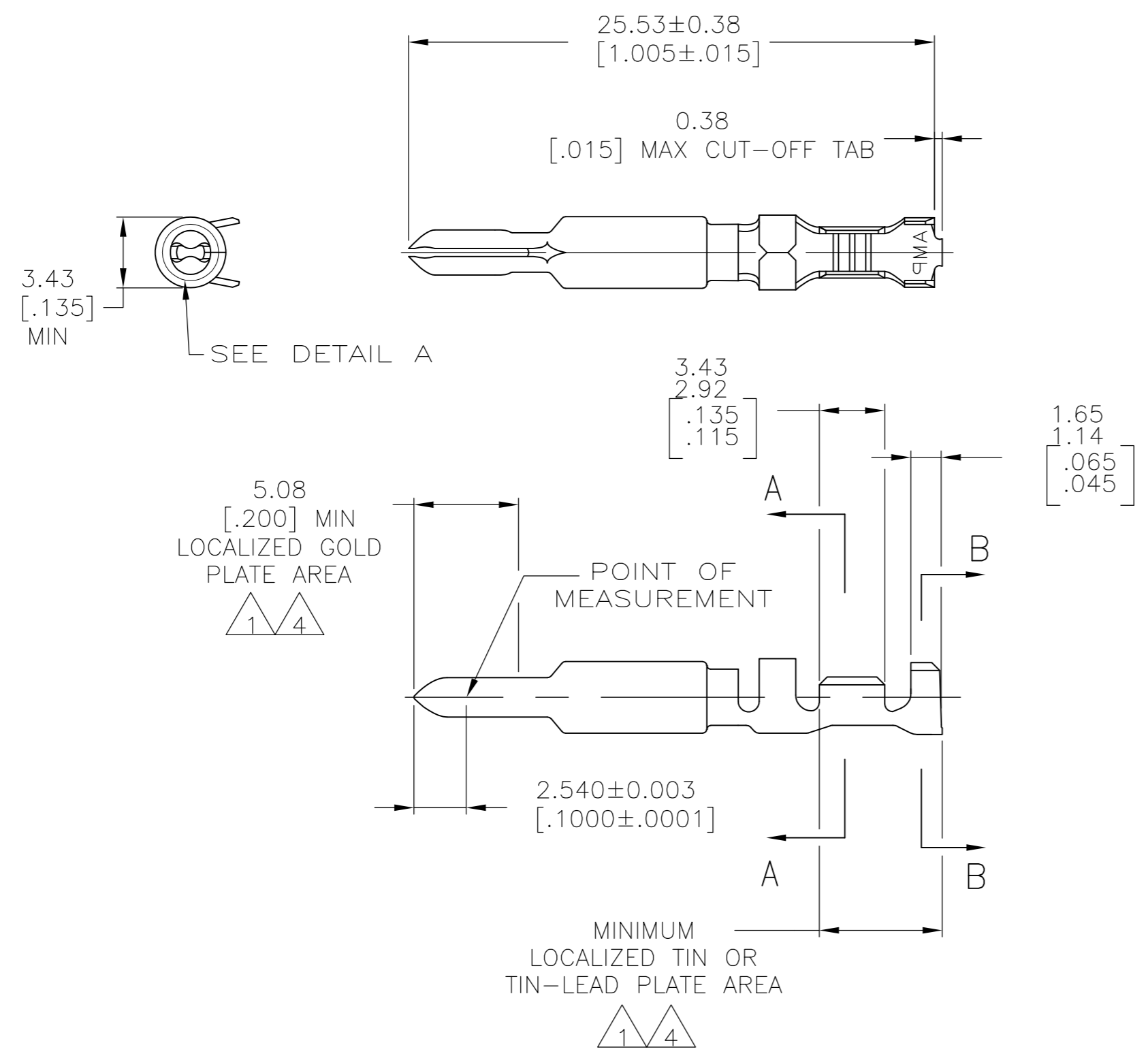
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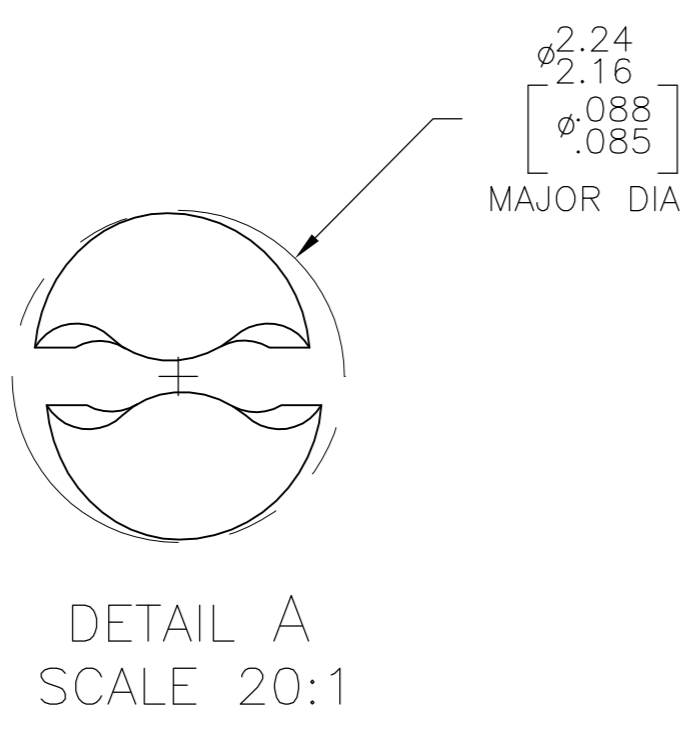
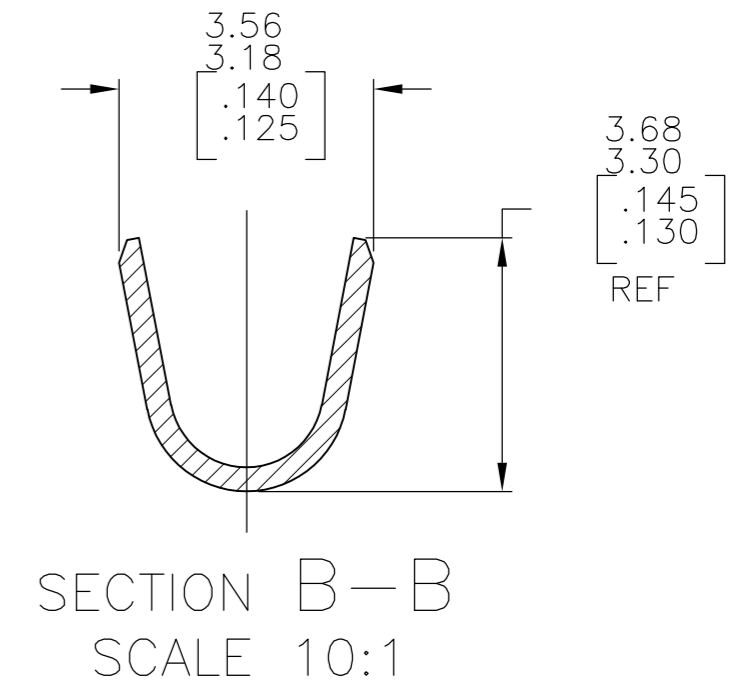
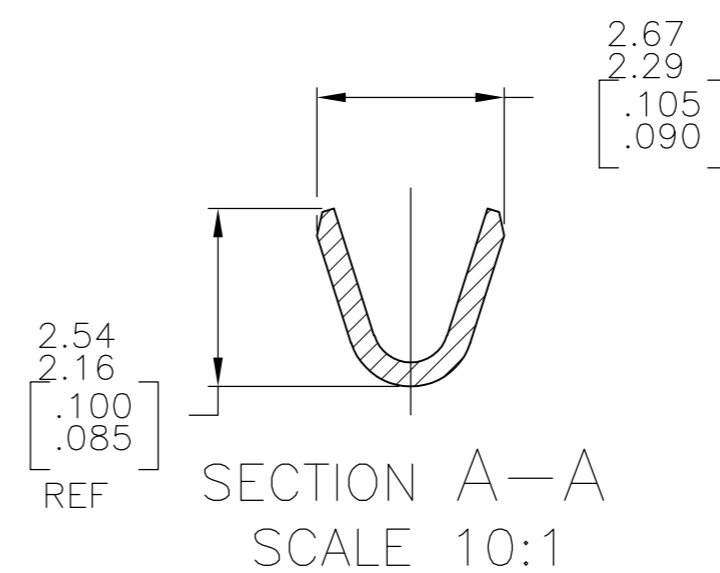


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LOC		DIST		REVISIONS			
P	LTR	DESCRIPTION		DATE	DWN	APVD	
CM	00	F1	REVISED PER ECO-11-005027		11MAR11	RK	HMR



- 1. 0.00076[.000030] MIN GOLD AT POINT OF MEASUREMENT IN THE LOCALIZED GOLD PLATE AREA, 0.00127[.000050] MIN TIN-LEAD IN TIN-LEAD PLATE AREA, 0.00127[.000050] MIN NICKEL UNDERPLATE ON ENTIRE CONTACT.
- 2. WIRE RANGE: 0.2-1mm² [24-18 AWG]. INSULATION RANGE: 1.02-2.54 [.040-.100] DIA.
- 3. DIMENSIONS IN BRACKETS ARE IN INCHES.
- 4. 0.00076[.000030] MIN GOLD AT POINT OF MEASUREMENT IN THE LOCALIZED GOLD PLATE AREA, 0.00127[.000050] MIN TIN IN TIN PLATE AREA, 0.00127[.000050] MIN NICKEL UNDERPLATE ON ENTIRE CONTACT.



FINISH	MATERIAL	PART NUMBER
GOLD Δ_4	0.30 [.012] BRASS	1-770252-0
GOLD Δ_1	0.30 [.012] BRASS	770252-2
PRE-TIN	0.30 [.012] BRASS	770252-1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN K. WHITAKER 30SEP04	TE Connectivity	
DIMENSIONS: mm [INCHES]		CHK C.JONES 30SEP04	NAME PIN, LOOSE PIECE, UNIVERSAL MATE-N-LOK(TM) II	
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± - 1 PLC ± - 2 PLC ± 0.13 [.005] 3 PLC ± - 4 PLC ± - ANGLES ± 0°30'		APVD C.JONES 30SEP04	DRAWING NO A2 00779 C=770252	
MATERIAL		PRODUCT SPEC	RESTRICTED TO	
FINISH		APPLICATION SPEC	SCALE	SHEET
		WEIGHT	4:1	1 OF 1
CUSTOMER DRAWING		REV	F1	

METRIC