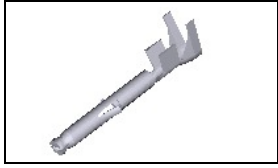


770988-3 Product Details



770988-3

TE Internal Number: 770988-3



.163" Centerline, 600 V, 9.5 A max.

Not EU RoHS or ELV Compliant (Find RoHS Compliant Alternates)

Product Highlights:

- Mini-Universal MATE-N-LOK Product Line
- Wire-to-Wire
- Applies To Wire/Cable
- Contact
- Glow Wire Rating = Standard Part - Not Glow Wire

Documentation & Additional Information

Product Drawings:

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

Catalog Pages/Data Sheets:

- [SOFT_SHELL_PIN_AND_SOCKET_CONNECTORS_CATALOG](#) (PDF, English)

Product Specifications:

- None Available

Application Specifications:

- [Mini-Universal MATE-N-LOK Splash-Proof Sealed Connectors](#) (PDF, English)
- [Mini-Universal MATE-N-LOK Connectors](#) (PDF, English)

Instruction Sheets:

- None Available

CAD Files: (CAD Format & Compression Information)

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

Additional Information:

- [Product Line Information](#)

Related Products:

- [Tooling](#)
- [Housings \(188\)](#)

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

Product Type Features:

- Product Line = Mini-Universal MATE-N-LOK
- Product Type = Contact
- Termination Method to Wire/Cable = Crimp
- PCB Mount Retention = Without
- Sealed = No
- Wire/Cable Type = Discrete Wire
- Strain Relief = Without
- UL File Number = E28476
- CSA File Number = LR 7189

Mechanical Attachment:

- Contact Retention = With
- Panel Mount Retention = Without

Electrical Characteristics:

- Contact - Rated Current (A) = 11.2
- Operating Voltage Reference = AC/DC
- Operating Voltage (VAC) = 600
- Operating Voltage (VDC) = 600

Termination Features:

- Wire/Cable Size (mm²) = 0.3 - 0.9
- Wire/Cable Size (AWG) = 18 - 22

Body Features:

- Used With = Plug Housing
- Mating Retention = Without
- Wire Type = Stranded
- Underplate Material Thickness (µm [µin]) = 1.27 [50.000]
- Assembly Integration Feature = Without
- Contact Protection Type = Lance

Contact Features:

- Contact Type = Socket

Housing Features:

- Mating Alignment = Without

Industry Standards:

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

Environmental:

- Operating Temperature (°C [°F]) = -55 - +105 [-67 - +221]

Conditions for Usage:

- Applies To = Wire/Cable
- Glow Wire Rating = Standard Part - Not Glow Wire
- Wire Size - Multiple Conductors = (2) 0.30-0.40² [(2) 22]
- Accepts Wire Insulation Diameter, Range (mm [in]) = 1.50 - 2.40 [0.059 - 0.0941]

Operation/Application:

- Application Use = Wire-to-Wire

Packaging Features:

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

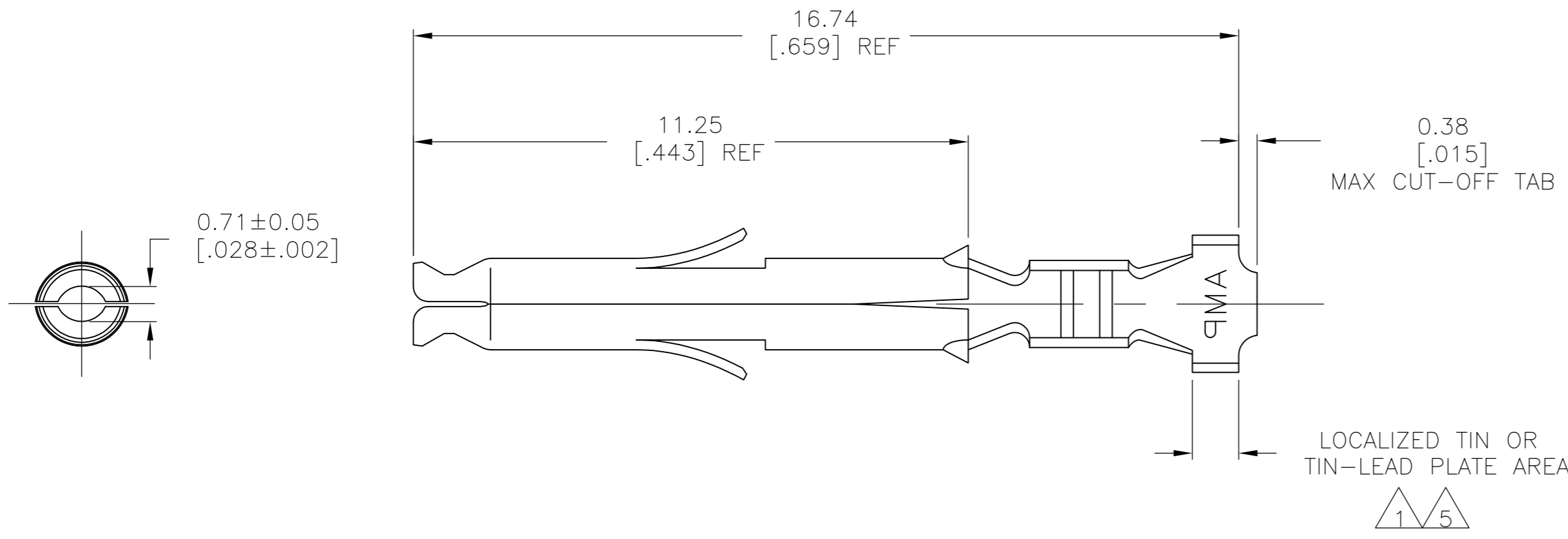
Other:

- Brand = AMP

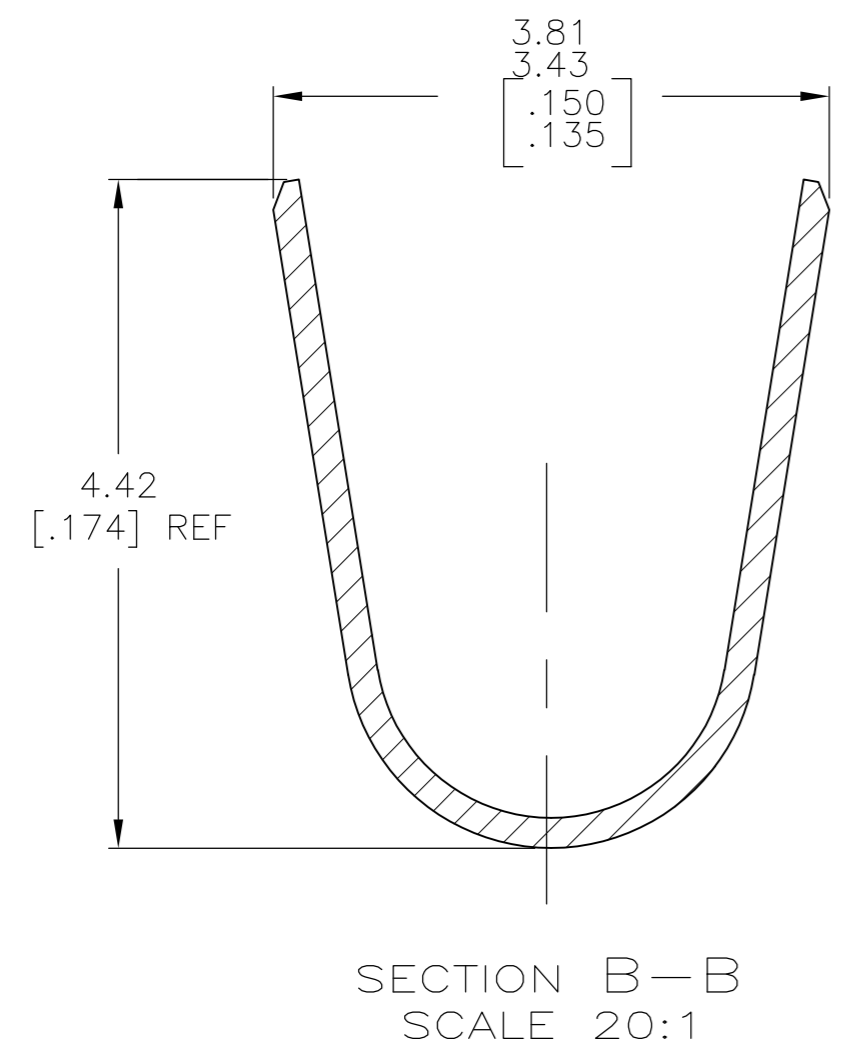
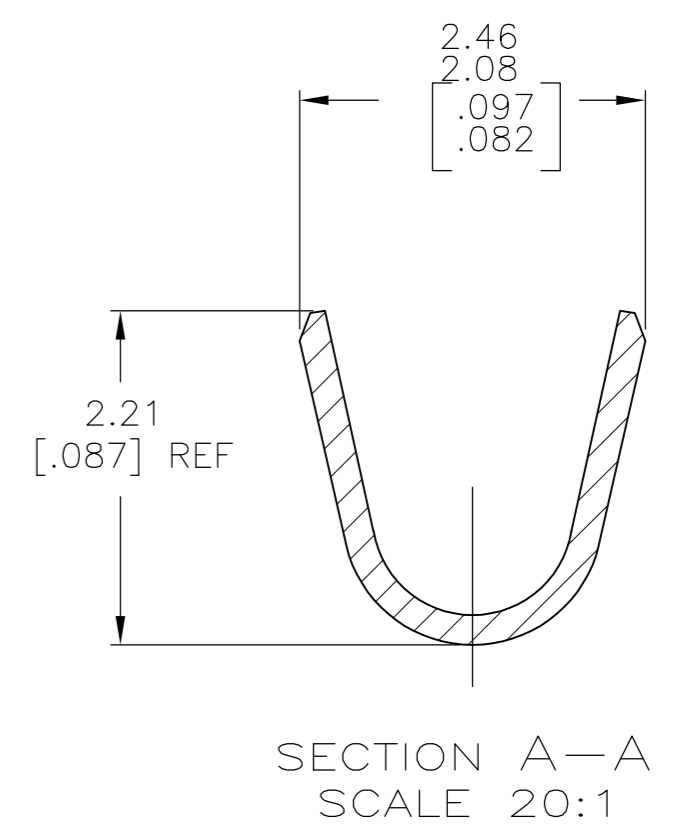
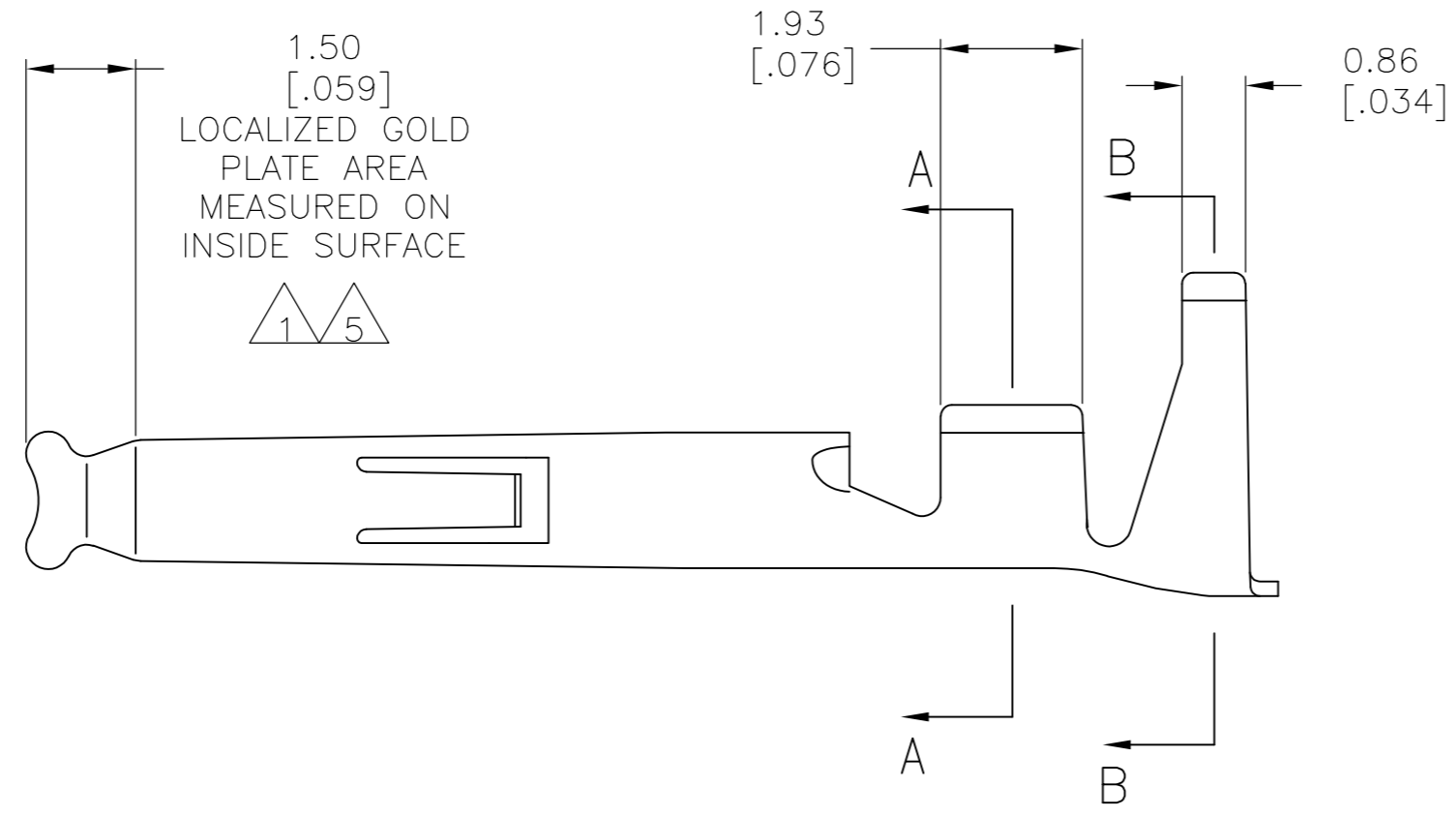
- Contact Type = SOCKET
- Contact Diameter (mm [in]) = 1.80 [0.071]
- Contact Base Material = Brass
- Contact Plating, Mating Area, Material = Gold
- Contact Plating, Mating Area, Thickness (μm [μin]) = 0.76 [29.92]
- Shunts/Shorting Bars = Without
- Multiple Contact Types = Without
- Underplate Material = Nickel

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LOC	DIST	REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD
CM	00	J	ECO-13-000901	08MAR2013	MGT R.P



- 1 0.00076 [.000030] MIN GOLD IN LOCALIZED GOLD PLATE AREA AND 0.00254 [.000100] MIN BRIGHT TIN-LEAD IN LOCALIZED TIN-LEAD PLATE AREA OVER 0.0013 [.000050] MIN NICKEL.
- 2. WIRE RANGE: 0.3-0.9mm² (22-18 AWG).
- 3. INSULATION RANGE: 1.50-2.40 [.060-.094] DIA.
- 4. DIMENSIONS IN BRACKETS ARE IN INCHES.
- 5 0.00076 [.000030] MIN GOLD IN LOCALIZED GOLD PLATE AREA AND 0.00254 [.000100] MIN BRIGHT TIN IN LOCALIZED TIN PLATE AREA OVER 0.0013 [.000050] MIN NICKEL.



5	0.20 [.008] PH BRZ	1-770988-1
5	0.20 [.008] BRASS	1-770988-0
1	0.20 [.008] BRASS	770988-3
PRE-TIN	0.20 [.008] BRASS	770988-1
FINISH	MATERIAL	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN S. HOOVER 16OCT02	STE TE Connectivity	
DIMENSIONS: mm [INCHES]		CHK C. JONES 16OCT02		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD C. JONES 16OCT02	NAME	
0 PLC ± -	1 PLC ± -	PRODUCT SPEC	SOCKET, LOOSE PIECE, MINI UNIVERSAL MATE-N-LOK(TM)	
2 PLC ± -	3 PLC ± 0.15[.006]	APPLICATION SPEC	SIZE A2	CAGE CODE 00779
4 PLC ± -	ANGLES ± 1°	WEIGHT -	DRAWING NO C=770988	RESTRICTED TO -
MATERIAL -	FINISH -	CUSTOMER DRAWING	SCALE 10:1	SHEET 1 of 1

METRIC