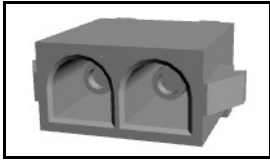


350824-1 Product Details

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350824-1

TE Internal Number: 350824-1

Active

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

Always EU RoHS/ELV Compliant
(Statement of Compliance)

Product Highlights:

- Universal MATE-N-LOK Product Line
- Wire-to-Board
- Applies To Printed Circuit Board
- Connector
- Header

[View all Features](#)

Quick Links

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Documentation & Additional Information	
<p>Product Drawings:</p> <ul style="list-style-type: none"> • SOCKET HEADER ASSEMBLY, 2 CIRCUIT UNIVERSAL MATE-N-LOK (PDF, English) <p>Catalog Pages/Data Sheets:</p> <ul style="list-style-type: none"> • SOFT_SHELL_PIN_SOCKET_CONNECTORS_STANDARD_DENSITY (PDF, English) <p>Product Specifications:</p> <ul style="list-style-type: none"> • None Available <p>Application Specifications:</p> <ul style="list-style-type: none"> • Universal MATE-N-LOK Connectors (PDF, English) <p>Instruction Sheets:</p> <ul style="list-style-type: none"> • Universal MATE-N-LOK Connectors (PDF, English) <p>CAD Files: (CAD Format & Compression Information)</p> <ul style="list-style-type: none"> • 2D Drawing (DXF, Version N) • 3D Model (IGES, Version N) • 3D Model (STEP, Version N) 	<p>Additional Information:</p> <ul style="list-style-type: none"> • Product Line Information <p>Related Products:</p> <ul style="list-style-type: none"> • Tooling • Mating Products (3)

[List all Documents](#)

Product Features (Please use the Product Drawing for all design activity)	
<p>Product Type Features:</p> <ul style="list-style-type: none"> • Product Line = Universal MATE-N-LOK • Product Type = Connector • Connector Type = Header • PCB Mounting Orientation = Vertical • PCB Mount Retention = Without • PCB Mount Alignment = Without • Sealed = No • CSA File Number = LR 7189 <p>Mechanical Attachment:</p> <ul style="list-style-type: none"> • Contact Retention = Without • Mating Retention Type = Positive Lock • Panel Mount Retention = Without <p>Electrical Characteristics:</p> <ul style="list-style-type: none"> • Contact - Rated Current (A) = 12 	<p>Housing Features:</p> <ul style="list-style-type: none"> • Connector Style = Receptacle • Centerline (mm [in]) = 6.35 [0.2499] • Housing Material = Nylon - GF • Housing Color = White • Mating Alignment = With • Mating Alignment Type = Polarization <p>Configuration Features:</p> <ul style="list-style-type: none"> • Number of Positions = 2 • Number of Rows = 1 • Strain Relief = Without <p>Industry Standards:</p> <ul style="list-style-type: none"> • Agency/Standard = UL, CSA • UL Flammability Rating = UL 94V-0 • RoHS/ELV Compliance = RoHS compliant, ELV

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

Termination Features:

- Termination Method to Wire/Cable = Solder
- Termination Method to PC Board = Through Hole - Solder

Dimensions:

- Tail Length (mm [in]) = 3.56 [0.14]
- PCB Thickness, Recommended (mm [in]) = 1.57 [0.062]

Body Features:

- Mating Retention = With
- Assembly Integration Feature = Without

Contact Features:

- Contact Type = Socket
- Contact Layout = In-Line
- Contact Base Material = Phosphor Bronze
- Contact Plating, Mating Area, Material = Pre-Tin
- Tail Plating Material = Pre-Tin
- Multiple Contact Types = Without

compliant

- [Lead Free Solder Processes](#) = Wave solder capable to 240°C, Wave solder capable to 260°C, Wave solder capable to 265°C
- RoHS/ELV Compliance History = Always was RoHS compliant
- VDE Tested = Yes
- UL Rating = Recognized
- UL File Number = E28476
- CSA Rating = Certified

Environmental:

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

Conditions for Usage:

- Applies To = Printed Circuit Board
- Glow Wire Rating = Standard Part - Not Glow Wire
- For Use With = Mates with Plug Housing (Using Pin Contacts)

Operation/Application:

- Application Use = Wire-to-Board

Packaging Features:

- Packaging Method = Bag
- Packaging Quantity = 100

Other:

- Brand = AMP

Corporate Information

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Quick Links

- [Distributor Inventory](#)
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- [Documents & Drawings](#)
- [Product Compliance Support Center](#)
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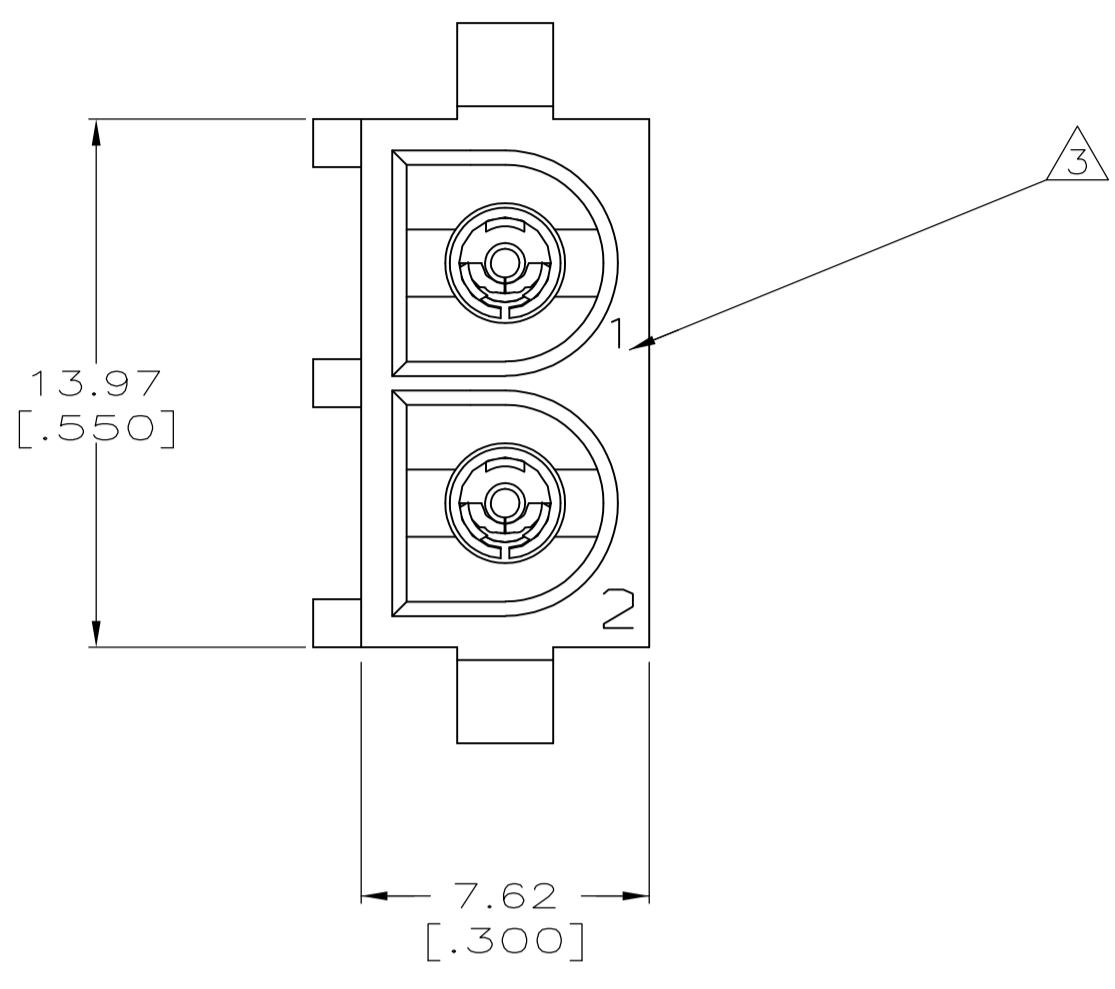
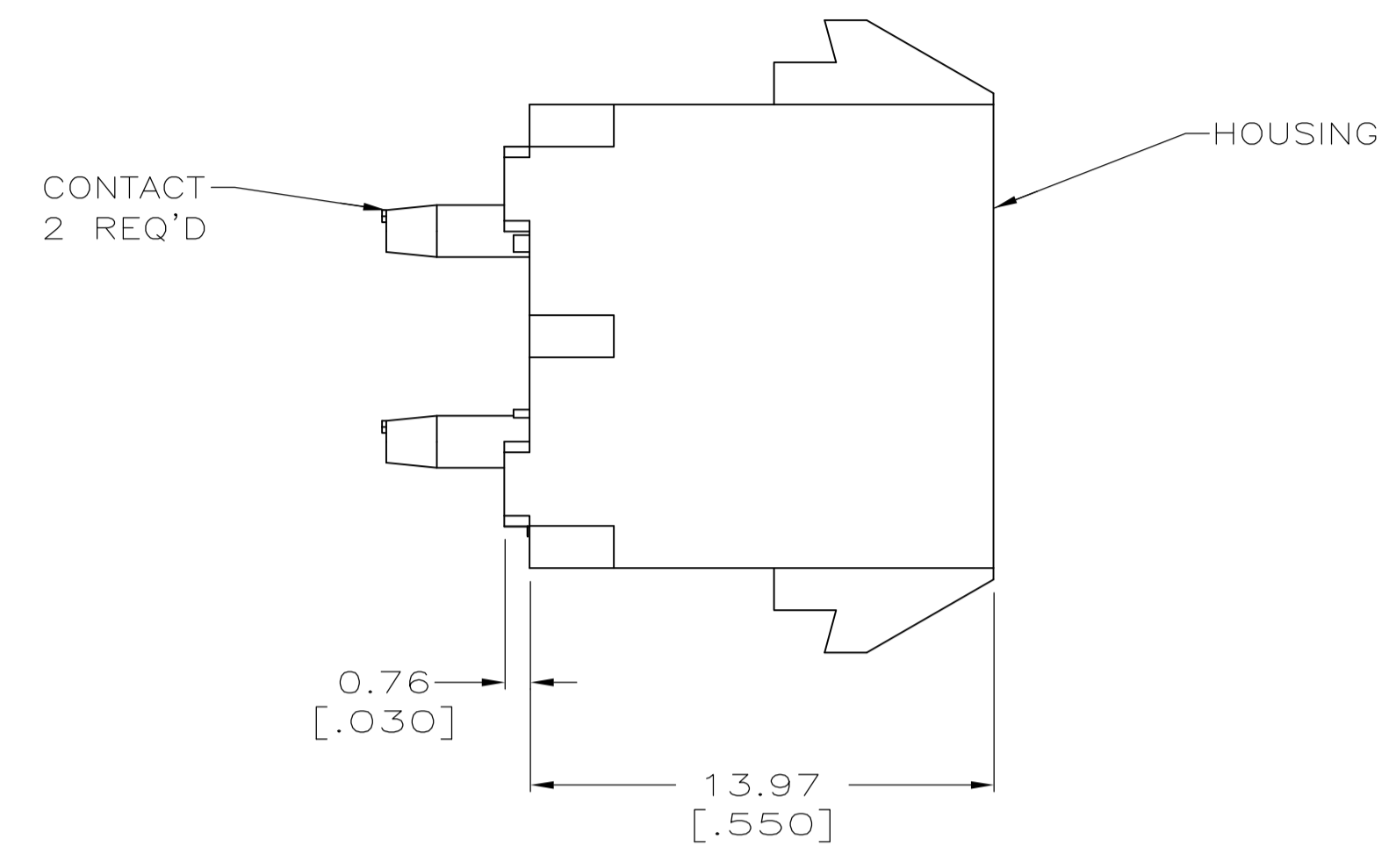
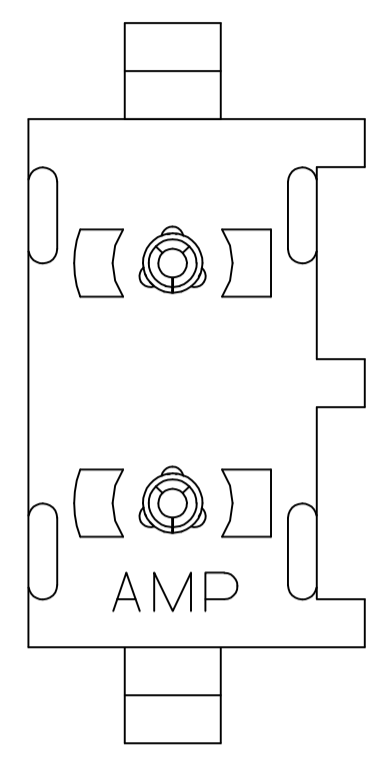
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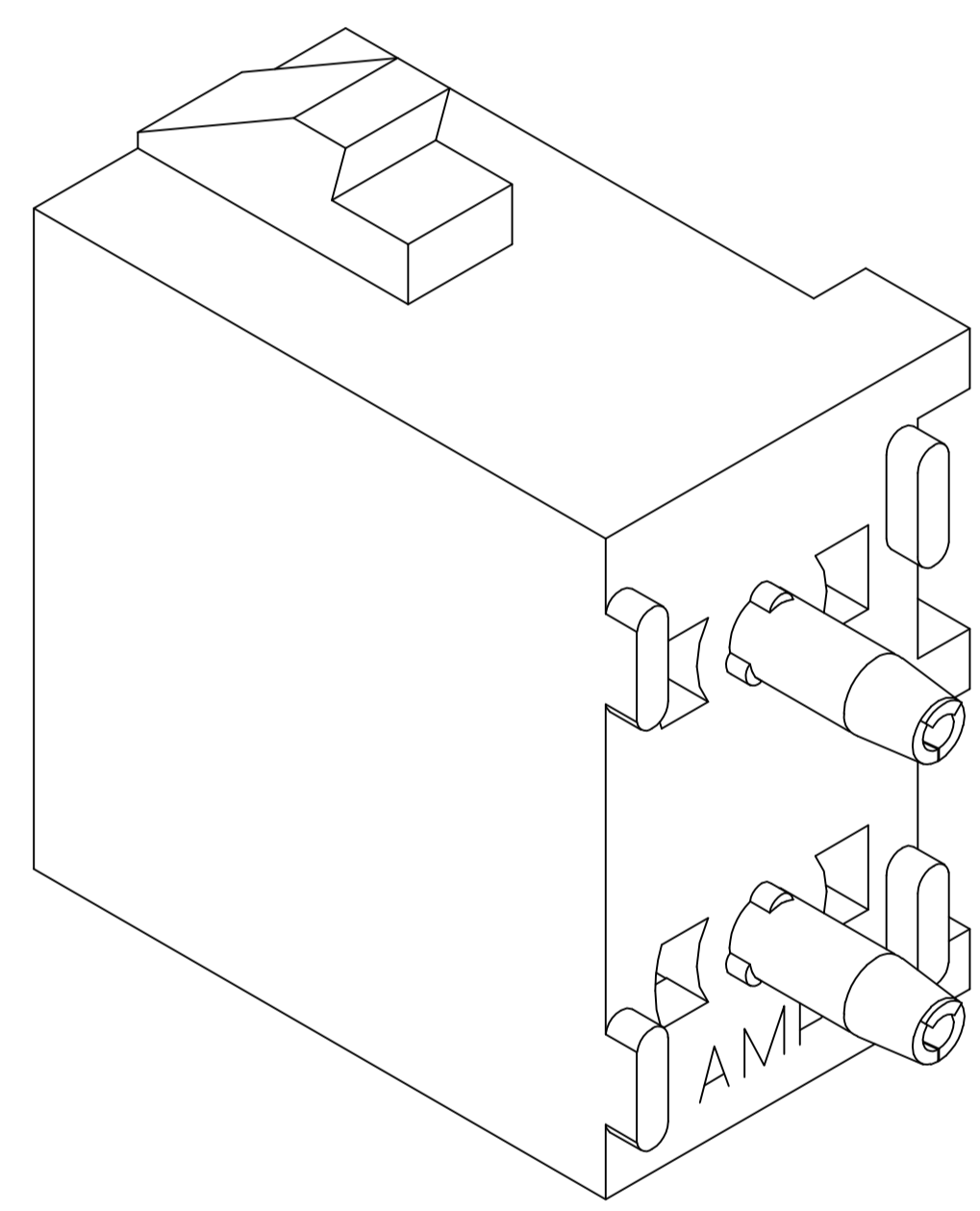
Keep Me Informed



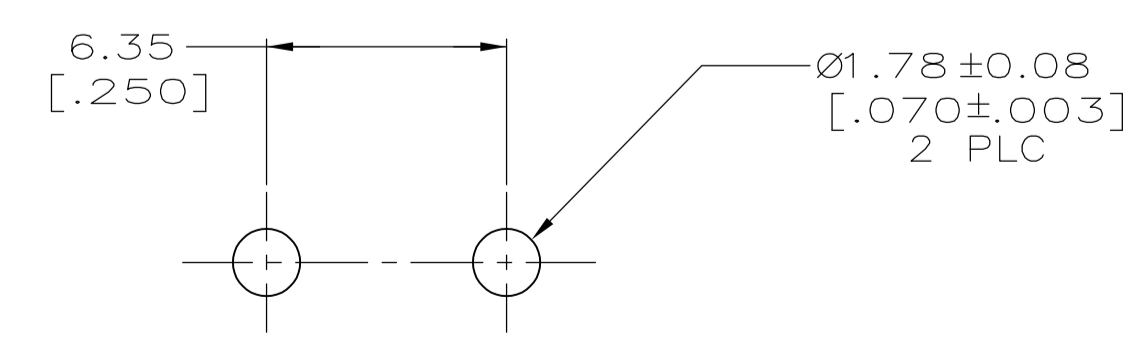
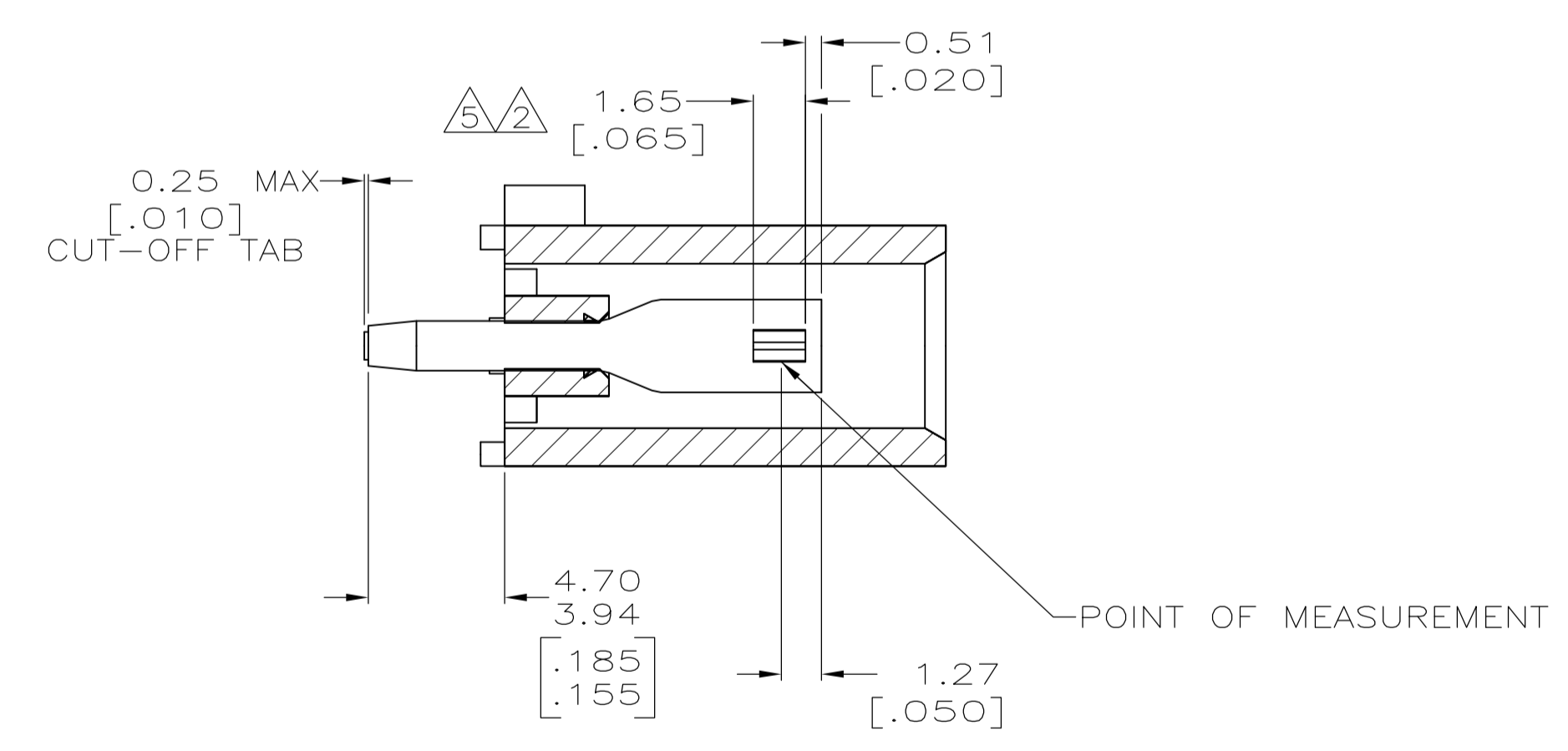
LOC		DIST		REVISIONS			
CM	00	REV	DATE	BY	CHK	APP'D	
N1	REVISED PER ECR-12-011660	25JAN13		KH		TM	



- 1 PARTS COMPLY TO AMP SOLDERABILITY SPECIFICATION 109-11-3.
- 2 CONTACT IS PLATED OVERALL WITH 0.00127 [.000050] NICKEL, THEN 0.00076 [.000030] GOLD OVER CONTACT LENGTH INDICATED AND MATTE TIN LEAD ON SOLDER TAIL END.
- 3 CIRCUIT IDENTIFICATION CHARACTERS ARE ADJACENT TO THE INDICATED CAVITIES, BUT LOCATION AND ORIENTATION MAY DIFFER FROM PRINT.
- 4 DIMENSIONS IN BRACKETS ARE IN INCHES.
- 5 CONTACT IS PLATED OVERALL WITH 0.00127 [.000050] NICKEL, THEN 0.00076 [.000030] GOLD OVER CONTACT LENGTH INDICATED AND MATTE TIN ON SOLDER TAIL END.
- 6 SUPERSEDED BY 350824-4



3-DIMENSIONAL MODEL NTS



RECOMMENDED MOUNTING HOLE PATTERN FOR 1.57 [.062] THICK P.C. BOARD

PHOSPHOR BRONZE, GOLD	NYLON,UL94V-0,WHITE	350824-4
PHOSPHOR BRONZE, GOLD	NYLON,UL94V-0,WHITE	350824-2
PHOSPHOR BRONZE, PRE-TIN	NYLON,UL94V-0,WHITE	350824-1
CONTACT MATERIAL AND FINISH	HOUSING MATERIAL	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DIN 8-19-98	TE Connectivity	
DIMENSIONS: mm [INCHES]		0 PLC ± -	SOCKET HEADER ASSEMBLY, 2 CIRCUIT UNIVERSAL MATE-N-LOK™	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		1 PLC ± -	DRAWING NO. 00779C=350824	
2 PLC ± 0.13 [.005]		3 PLC ± -	SCALE 5:1 SHEET 1 OF 1 REV N1	
3 PLC ± -		4 PLC ± -	CUSTOMER DRAWING	
ANGLES ± ± 0°30'		APPLICATION SPEC		
MATERIAL SEE TABLE		FINISH SEE TABLE		