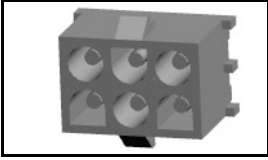


350431-1 Product Details

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350431-1

TE Internal Number: 350431-1

Active

[View 3D PDF](#)

.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](#)

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Documentation & Additional Information	
<p>Product Drawings:</p> <ul style="list-style-type: none"> • PIN HEADER ASSEMBLY, 6 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 Y) • 3D Model (IGES, Version Y) • 3D Model (STEP, Version Y) 	<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 • Termination Method to Wire/Cable = Solder • PCB Mounting Orientation = Vertical • PCB Mount Retention = Without • PCB Mount Alignment = Without • Strain Relief = Without • Sealed = No • Termination Method to PC Board = Through Hole - Solder • UL File Number = E28476 • CSA File Number = LR 7189 <p>Mechanical Attachment:</p>	<p>Housing Features:</p> <ul style="list-style-type: none"> • Connector Style = Plug • Centerline (mm [in]) = 6.35 [0.2499] • Housing Material = Nylon • Housing Color = Natural • UL Flammability Rating = UL 94V-2 • Mating Alignment = With • Mating Alignment Type = Polarization <p>Configuration Features:</p> <ul style="list-style-type: none"> • Number of Positions = 6 • Number of Rows = 2 <p>Industry Standards:</p> <ul style="list-style-type: none"> • Agency/Standard = UL, CSA • RoHS/ELV Compliance = RoHS compliant, ELV compliant

- Contact Retention = Without
- Mating Retention Type = Positive Lock
- Panel Mount Retention = Without

Electrical Characteristics:

- Contact - Rated Current (A) = 12
- Operating Voltage Reference = AC
- Operating Voltage (VAC) = 600

Termination Features:

- Tail Length (mm [in]) = 3.56 [0.14]

Dimensions:

- PCB Thickness, Recommended (mm [in]) = 1.57 [0.062]

Body Features:

- Mating Retention = With
- Row-to-Row Spacing (mm [in]) = 6.35 [0.250]
- Assembly Integration Feature = Without

Contact Features:

- Contact Type = Pin
- Contact Layout = Matrix
- Contact Base Material = Phosphor Bronze
- Contact Plating, Mating Area, Material = Pre-Tin
- Tail Plating Material = Pre-Tin
- Multiple Contact Types = Without

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

Operation/Application:

- Application Use = Wire-to-Board

Packaging Features:

- Packaging Method = Bag
- Packaging Quantity = 100

Other:

- Brand = AMP

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Quick Links

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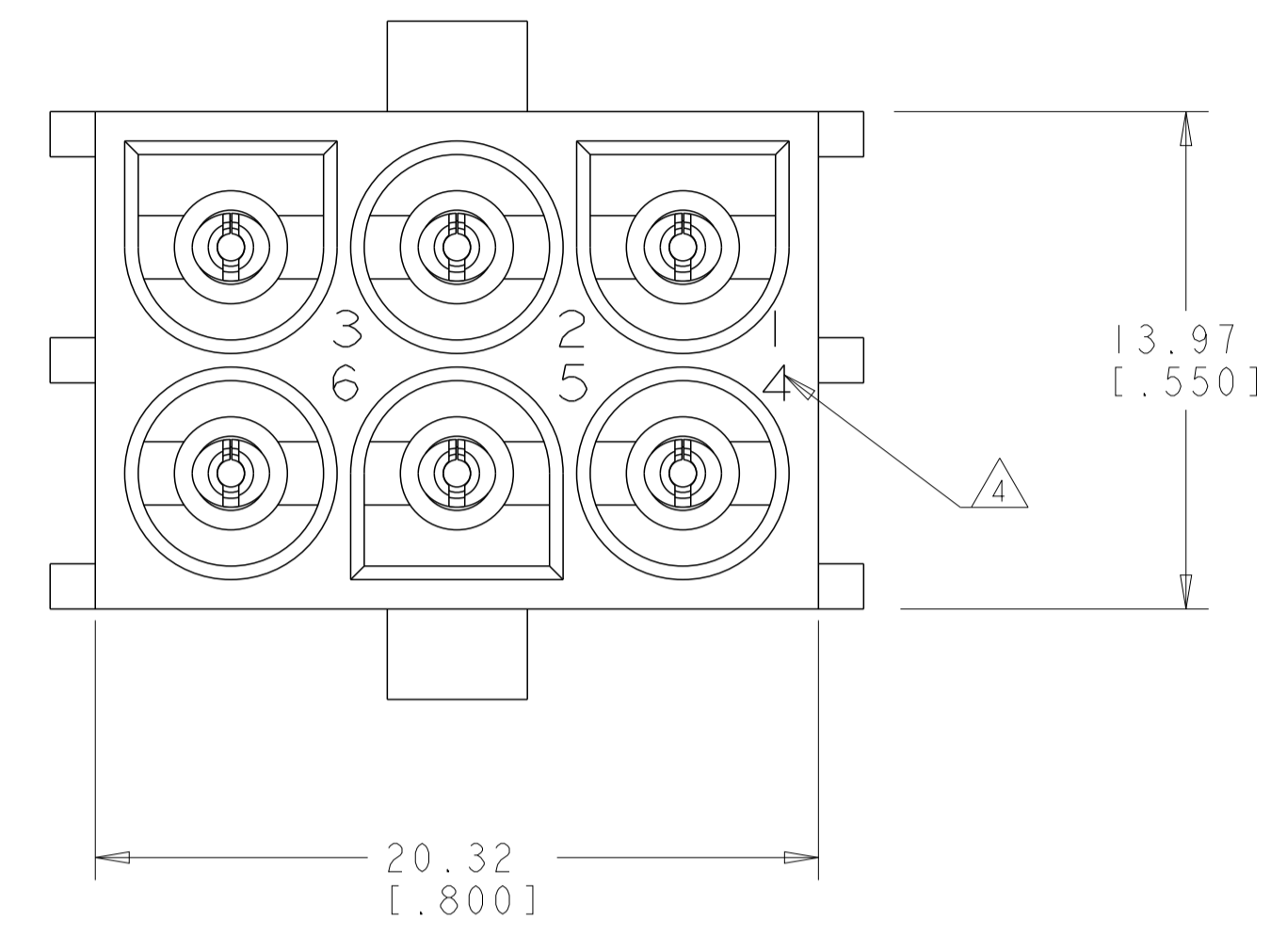
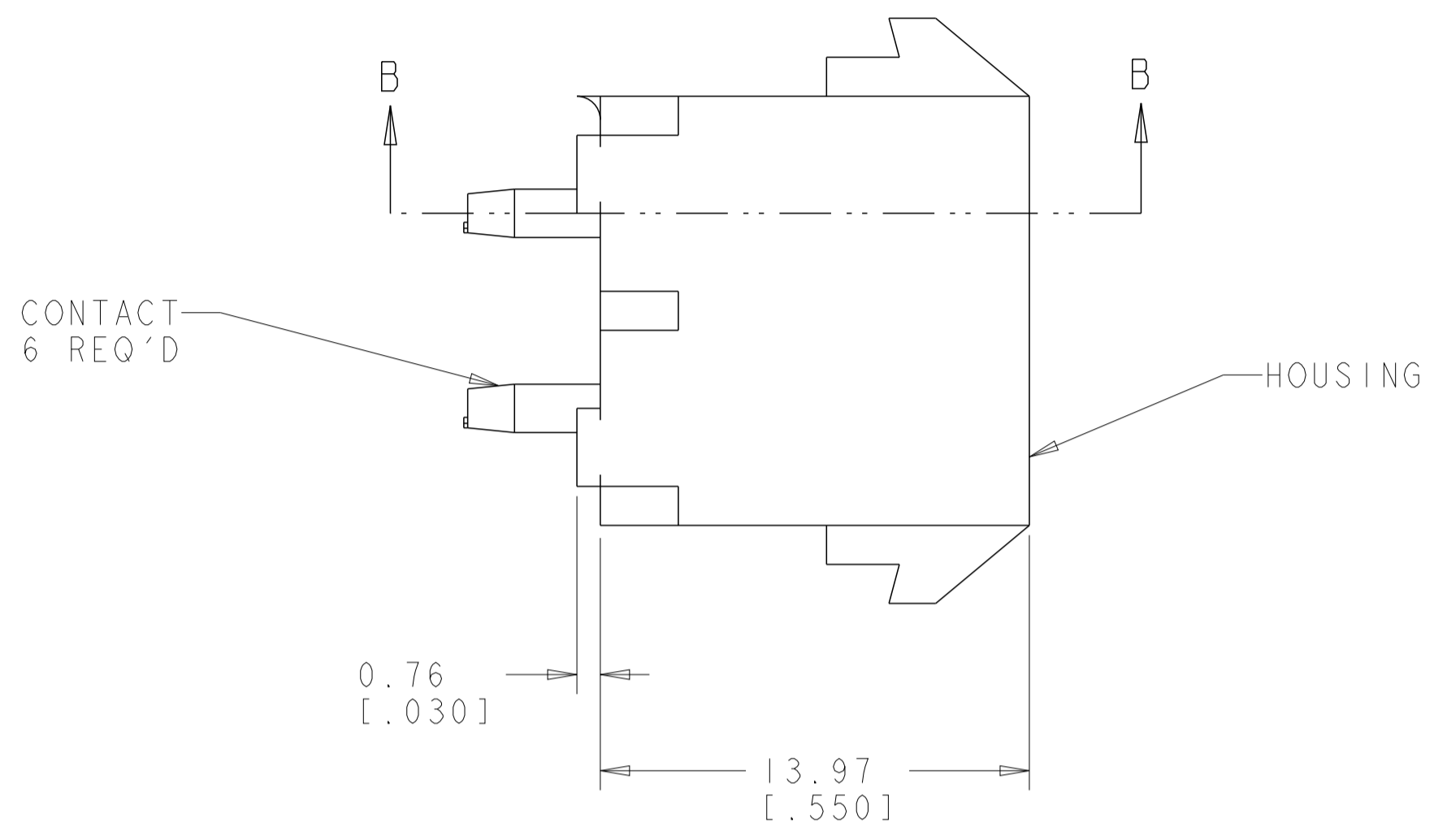
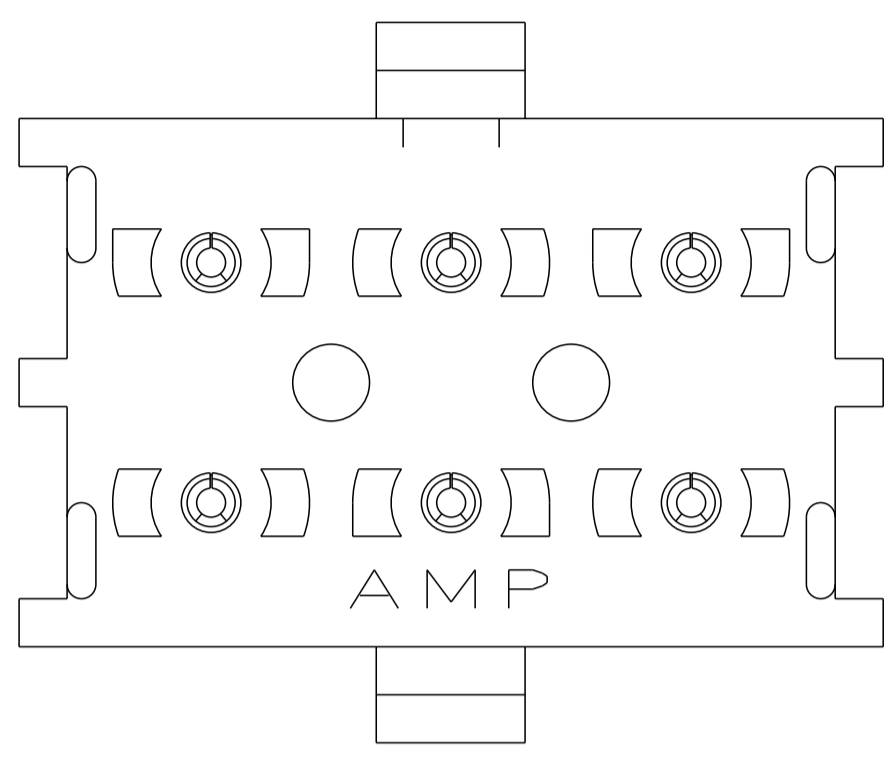
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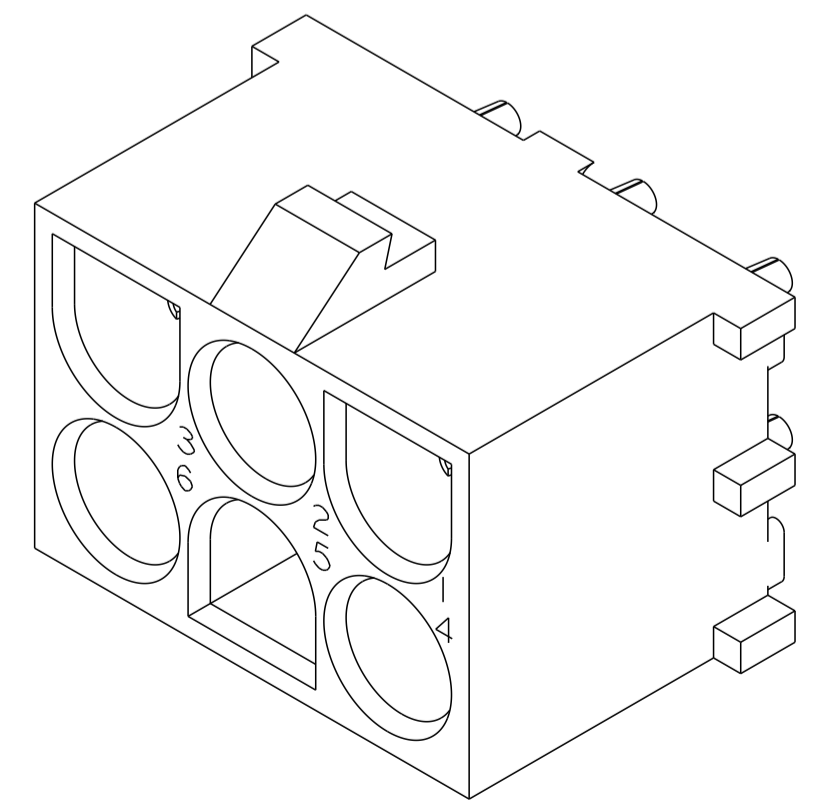
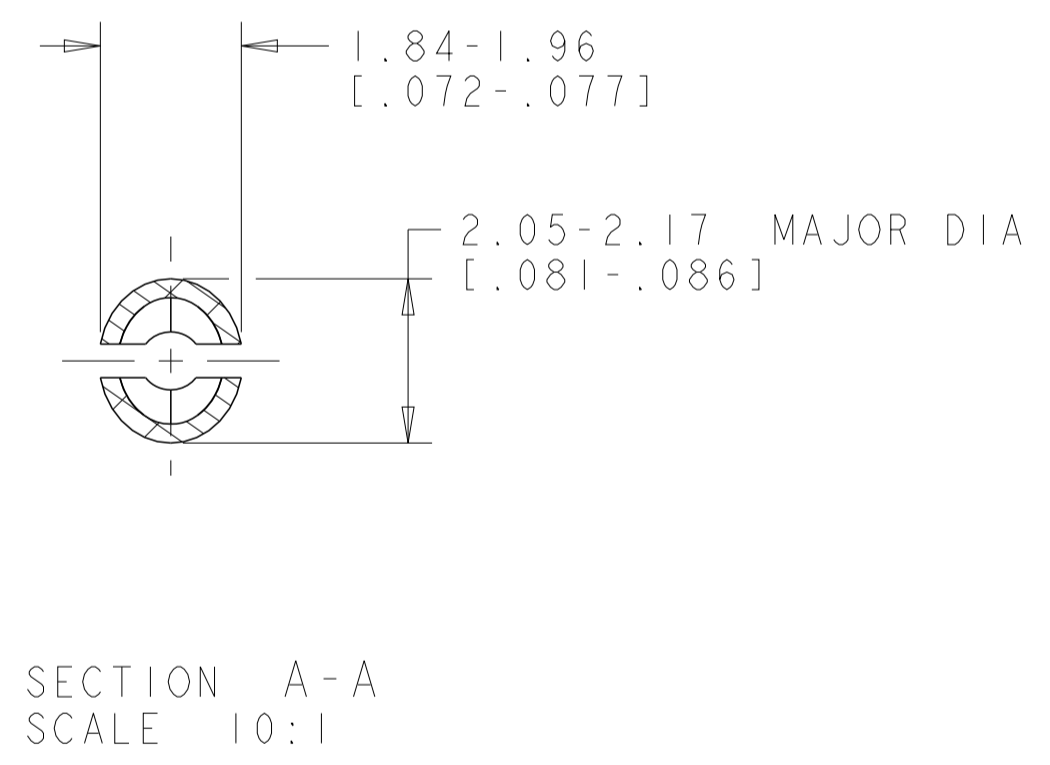
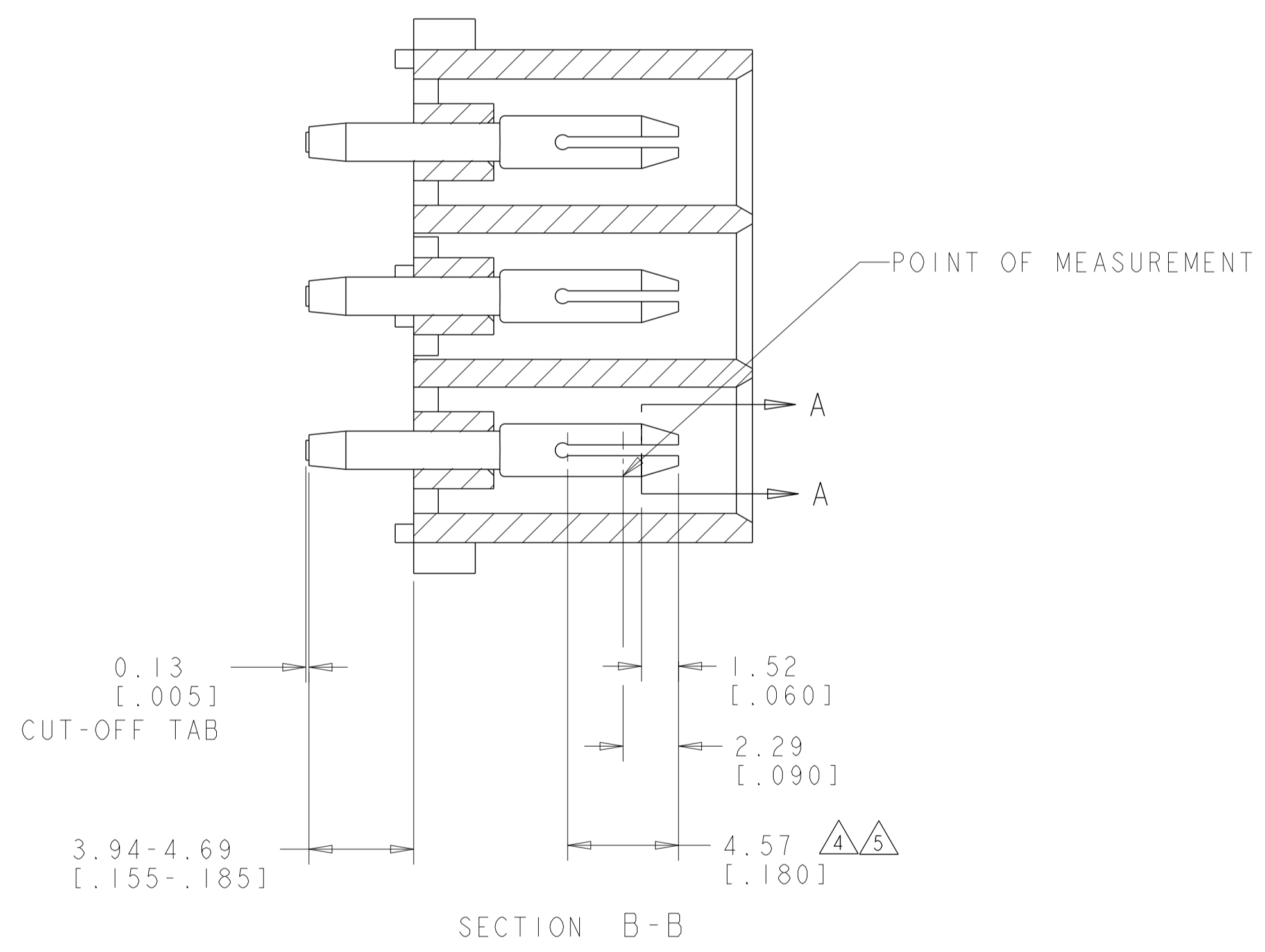
Keep Me Informed



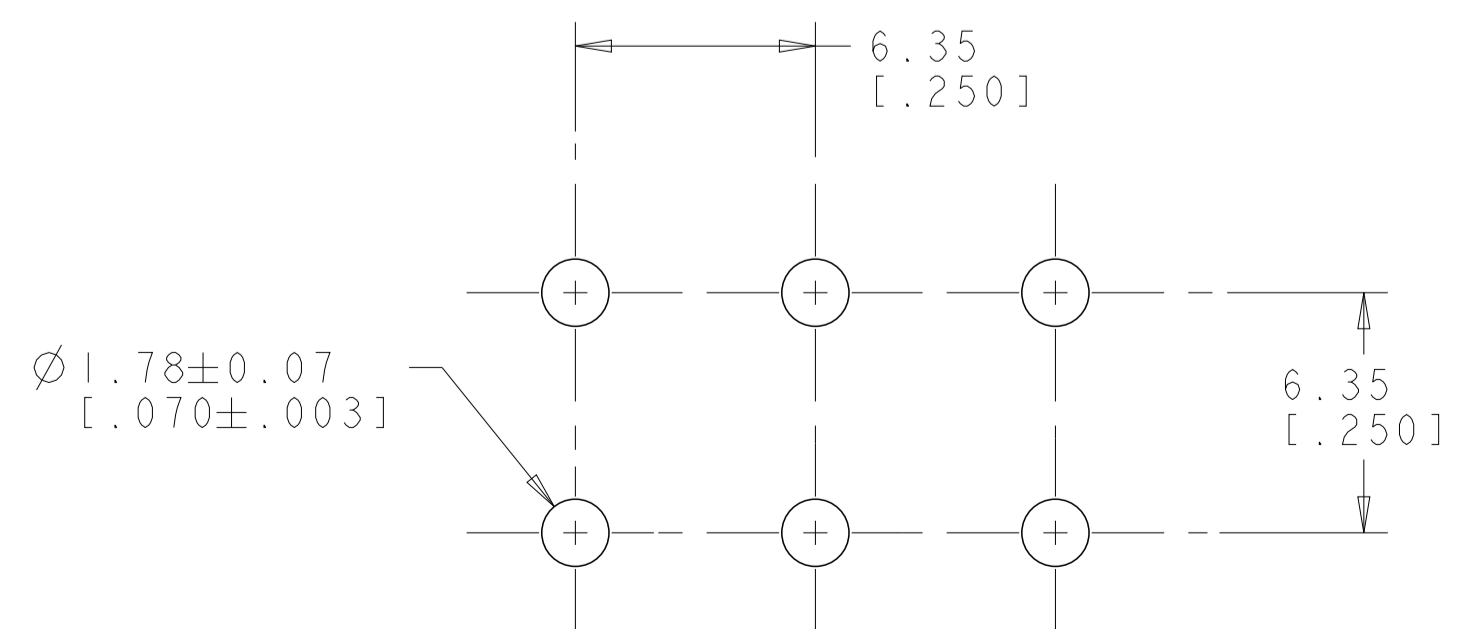
LOC	DIST	REVISIONS					
CM	00	P	LTN	DESCRIPTION	DATE	DWN	APVD
		Y2		REVISED PER ECR-12-011660	24JAN2013	KH	TM



- PARTS MATE WITH HOUSING 480704.
 - PARTS COMPLY TO AMP SOLDERABILITY SPECIFICATION 109-11-3.
 - CIRCUIT IDENTIFICATION CHARACTERS ARE ADJACENT TO THE INDICATED CAVITIES, BUT LOCATION AND ORIENTATION MAY DIFFER FROM PRINT.
 - CONTACT IS PLATED OVERALL WITH 0.00127 [.000050] NICKEL, THEN 0.00076 [.000030] GOLD OVER CONTACT LENGTH INDICATED AND TIN LEAD ON SOLDER TAIL END.
 - 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.
 - DIMENSIONS IN BRACKETS ARE IN INCHES.
- ⚠ SUPERSEDED BY 350431-4

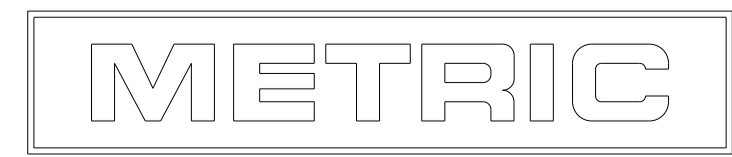


3 DIMENSIONAL MODEL
SCALE 4:1



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

PHOSPOR BRONZE, GOLD ⚠	NYLON, UL94V-2, NATURAL	350431-4
PHOSPOR BRONZE, GOLD ⚠	NYLON, UL94V-2, NATURAL	350431-2
PHOSPOR BRONZE, PRE-TIN	NYLON, UL94V-2, NATURAL	350431-1
PIN CONTACT MATERIAL AND FINISH		PART NUMBER



THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm [INCHES]	TOLERANCES UNLESS OTHERWISE SPECIFIED:	DWN K. WHITAKER 18JULY2005	CHK S. RIDGILL 18JULY2005	APVD S. RIDGILL 18JULY2005	NAME PIN HEADER ASSEMBLY, 6 CIRCUIT, UNIVERSAL MATE-N-LOK™
MATERIAL SEE TABLE	FINISH SEE TABLE	0 PLC ± 1 PLC ± 2 PLC ±0.131(.005) 3 PLC ± 4 PLC ±	ANGLES 40° 30'	APPLICATION SPEC	SIZE A1
CUSTOMER DRAWING		SCALE 5:1	SHEET 1	OF 1	REV Y2

STC TE Connectivity

100779 ©=350431