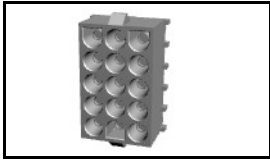


### 350765-4 Product Details

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**350765-4**

TE Internal Number: 350765-4

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](#)

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Documentation & Additional Information	
<p><b>Product Drawings:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">15 CIRCUIT UNIVERSAL MATE-N-LOK (TM) P.C. BOARD SOC... (PDF, English)</a></li> </ul> <p><b>Catalog Pages/Data Sheets:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">SOFT_SHELL_PIN_SOCKET_CONNECTORS_STANDARD_DENSITY (PDF, English)</a></li> </ul> <p><b>Product Specifications:</b></p> <ul style="list-style-type: none"> <li>• None Available</li> </ul> <p><b>Application Specifications:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">Universal MATE-N-LOK Connectors (PDF, English)</a></li> </ul> <p><b>Instruction Sheets:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">Universal MATE-N-LOK Connectors (PDF, English)</a></li> </ul> <p><b>CAD Files: (CAD Format &amp; Compression Information)</b></p> <ul style="list-style-type: none"> <li>• <a href="#">2D Drawing (DXF, Version R)</a></li> <li>• <a href="#">3D Model (IGES, Version R)</a></li> <li>• <a href="#">3D Model (STEP, Version R)</a></li> </ul>	<p><b>Additional Information:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">Product Line Information</a></li> </ul> <p><b>Related Products:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">Tooling</a></li> <li>• <a href="#">Mating Products (2)</a></li> </ul>

[List all Documents](#)

Product Features (Please use the Product Drawing for all design activity)	
<p><b>Product Type Features:</b></p> <ul style="list-style-type: none"> <li>• Product Line = Universal MATE-N-LOK</li> <li>• Product Type = Connector</li> <li>• Connector Type = Header</li> <li>• Termination Method to Wire/Cable = Solder</li> <li>• PCB Mounting Orientation = Vertical</li> <li>• PCB Mount Retention = Without</li> <li>• PCB Mount Alignment = Without</li> <li>• Strain Relief = Without</li> <li>• Sealed = No</li> <li>• Termination Method to PC Board = Through Hole - Solder</li> <li>• UL File Number = E28476</li> <li>• CSA File Number = LR 7189</li> </ul> <p><b>Mechanical Attachment:</b></p>	<p><b>Housing Features:</b></p> <ul style="list-style-type: none"> <li>• Connector Style = Receptacle</li> <li>• Centerline (mm [in]) = 6.35 [0.2499]</li> <li>• Housing Material = Nylon</li> <li>• Housing Color = Natural</li> <li>• UL Flammability Rating = UL 94V-2</li> <li>• Mating Alignment = With</li> <li>• Mating Alignment Type = Polarization</li> </ul> <p><b>Configuration Features:</b></p> <ul style="list-style-type: none"> <li>• Number of Positions = 15</li> <li>• Number of Rows = 5</li> </ul> <p><b>Industry Standards:</b></p> <ul style="list-style-type: none"> <li>• Agency/Standard = UL, CSA</li> <li>• <a href="#">RoHS/ELV Compliance</a> = RoHS compliant, ELV compliant</li> </ul>

- 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 = Socket
- 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 Pin Contacts)

**Operation/Application:**

- Application Use = Wire-to-Board

**Packaging Features:**

- Packaging Method = Bag
- Packaging Quantity = 50

**Other:**

- Brand = AMP

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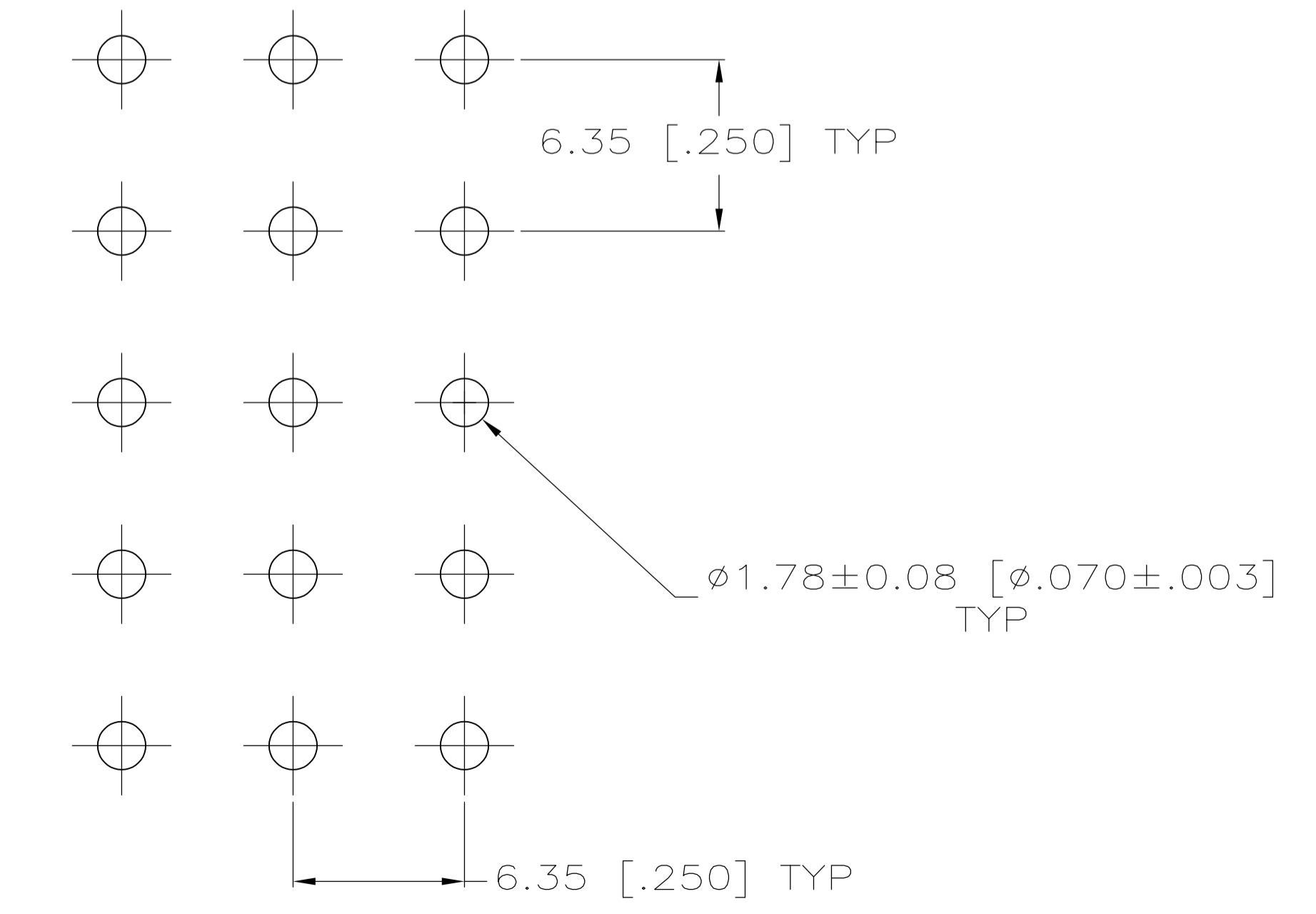
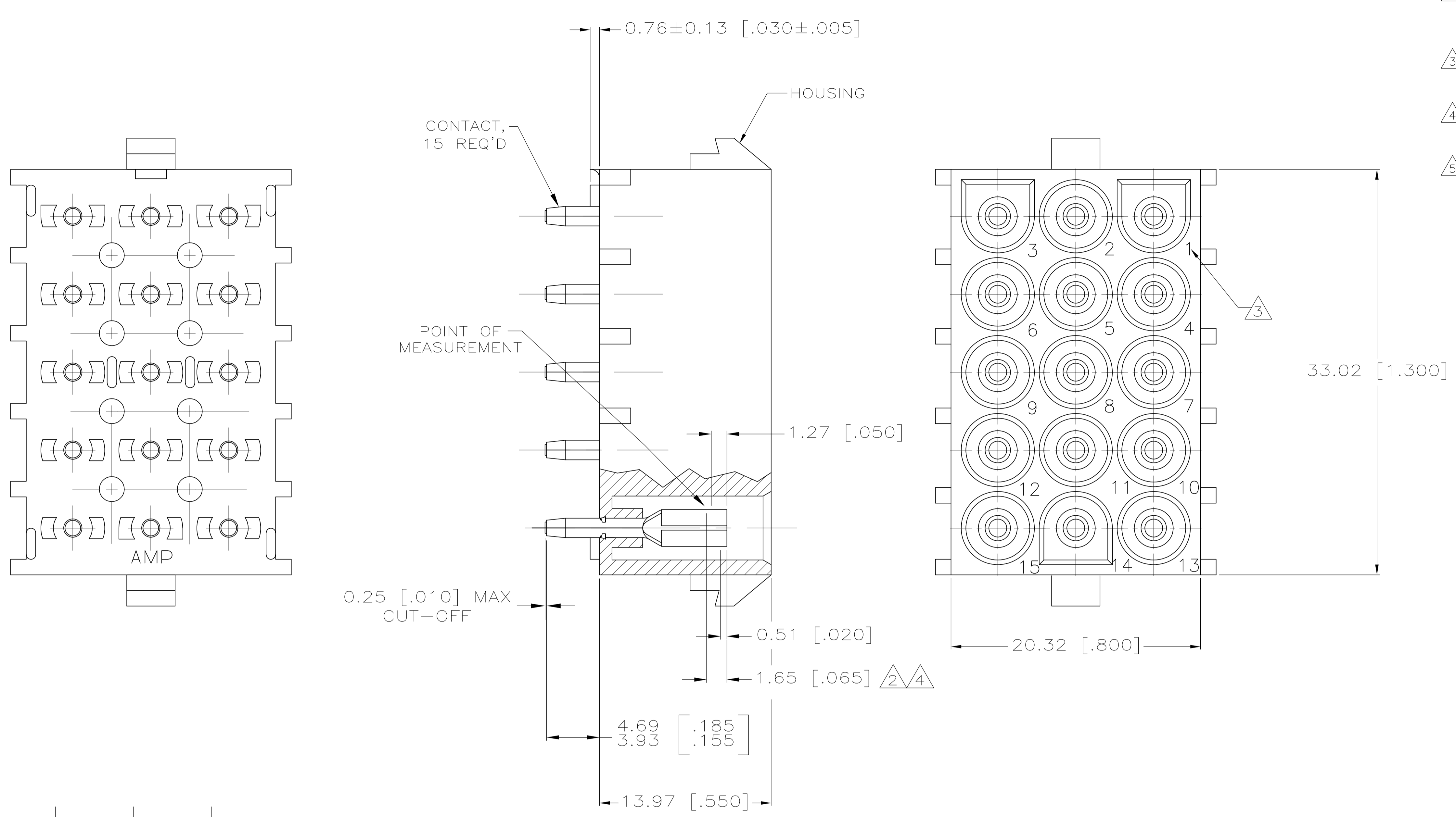
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LOC		DIST		REVISIONS			
CM	00	REV	DATE	BY	APPV	DATE	BY
R1		REVISED PER ECR-12-011660	24JAN13	KH	TM		

- 1 PARTS COMPLY TO AMP SOLDERABILITY SPECIFICATION 109-11-3.
- 2 CONTACT IS STAMPED FROM PRE-PLATED STOCK WHICH IS PLATED OVERALL WITH 0.00127 [.000050] NICKEL, THEN STRIPED WITH 0.00076 [.000030] GOLD IN CONTACT AREA INDICATED AND 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 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.
- 5 SUPERSEDED BY 350765-5



RECOMMENDED LAYOUT FOR 1.58 [.062] THICK PC BOARD

PH BRZ GOLD 2	NYLON, NATURAL	350765-5
PH BRZ TIN	NYLON, NATURAL	350765-4
PH BRZ GOLD 2	NYLON, NATURAL	350765-3
CONTACT	HOUSING	PART NO

THIS DRAWING IS A CONTROLLED DOCUMENT.		DIN K. WHITAKER 11OCT2005		TE Connectivity	
DIMENSIONS: mm [INCHES]		CHK S. RIDGILL 11OCT2005		NAME 15 CIRCUIT UNIVERSAL MATE-N-LOK (TM) P.C. BOARD SOCKET HEADER ASSEMBLY	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPV S. RIDGILL 11OCT2005		PRODUCT SPEC	
0. PLC ±		APPLICATION SPEC		SIZE CAGE CODE DRAWING NO	
1. PLC ±		WEIGHT		RESTRICTED TO	
2. PLC ±		A1 00779 C=350765		SCALE 5:1 SHEET 1 OF 1 REV R1	
3. PLC ± 0.13 [.005]		CUSTOMER DRAWING			
4. PLC ±					
ANGLES ±					
MATERIAL SEE TABLE		FINISH SEE TABLE			