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### 53942-1 Product Details

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**53942-1**

TE Internal Number: 53942-1

Active

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#### Ring and Spade Tongue Terminals

Always EU RoHS/ELV Compliant (Statement of Compliance)

#### Product Highlights:

- Terminal Shape = Ring Tongue
- Receptacle Style = Straight
- Body Style = PIDG
- Barrel Type = Closed Barrel
- Wire/Cable Type = Regular Wire

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Documentation & Additional Information	
<p><b>Product Drawings:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">WIRE TERMINAL P.I.D.G. - RING TONGUE WIRE SIZE: 16-14</a> (PDF, English)</li> </ul> <p><b>Catalog Pages/Data Sheets:</b></p> <ul style="list-style-type: none"> <li>• None Available</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="#">Pre-Insulated Diamond Grip (PIDG) Terminals, Splices...</a> (PDF, English)</li> </ul> <p><b>Instruction Sheets:</b></p> <ul style="list-style-type: none"> <li>• None Available</li> </ul> <p><b>CAD Files:</b> (<a href="#">CAD Format &amp; Compression Information</a>)</p> <ul style="list-style-type: none"> <li>• <a href="#">2D Drawing</a> (DXF, Version A)</li> <li>• <a href="#">3D Model</a> (IGES, Version A)</li> <li>• <a href="#">3D Model</a> (STEP, Version A)</li> </ul>	<p><b>Related Products:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">Tooling</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>• Terminal Shape = Ring Tongue</li> <li>• Receptacle Style = Straight</li> <li>• Barrel Type = Closed Barrel</li> <li>• Wire/Cable Type = Regular Wire</li> <li>• Insulation = Yes</li> <li>• Insulation Support = Insulation Support</li> <li>• Stud Diameter (mm [in]) = 5.00 [0.197]</li> <li>• Stud Size = 10</li> <li>• Shape = RING-041</li> <li>• Heavy Duty = No</li> <li>• Finish = Tin</li> <li>• Color = Blue</li> </ul> <p><b>Electrical Characteristics:</b></p> <ul style="list-style-type: none"> <li>• Voltage (VAC) = 300</li> </ul> <p><b>Termination Features:</b></p> <ul style="list-style-type: none"> <li>• Wire/Cable Size (CMA) = 2,050 - 5,180</li> </ul> <p><b>Dimensions:</b></p> <ul style="list-style-type: none"> <li>• Insulation Diameter (mm [in]) = 2.92 - 4.31 [.115 - .170]</li> <li>• Length (mm [in]) = 20.65 [0.813]</li> </ul>	<p><b>Body Features:</b></p> <ul style="list-style-type: none"> <li>• Body Style = PIDG</li> <li>• Wire Range (mm [AWG]) = 1.25-2.00<sup>2</sup> [16-14]</li> <li>• Material = Copper</li> <li>• Tongue Material Thickness (mm [in]) = 0.79 [0.031]</li> <li>• Insulation Material = Nylon</li> <li>• Insulation Sleeve Material = Copper</li> </ul> <p><b>Industry Standards:</b></p> <ul style="list-style-type: none"> <li>• Government/Industry Qualification = No</li> <li>• RoHS/ELV Compliance = RoHS compliant, ELV compliant</li> <li>• Lead Free Solder Processes = Not relevant for lead free process</li> <li>• RoHS/ELV Compliance History = Always was RoHS compliant</li> </ul> <p><b>Packaging Features:</b></p> <ul style="list-style-type: none"> <li>• Packaging Method = Loose Piece</li> </ul> <p><b>Other:</b></p> <ul style="list-style-type: none"> <li>• Brand = AMP</li> </ul>

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#### Quick Links

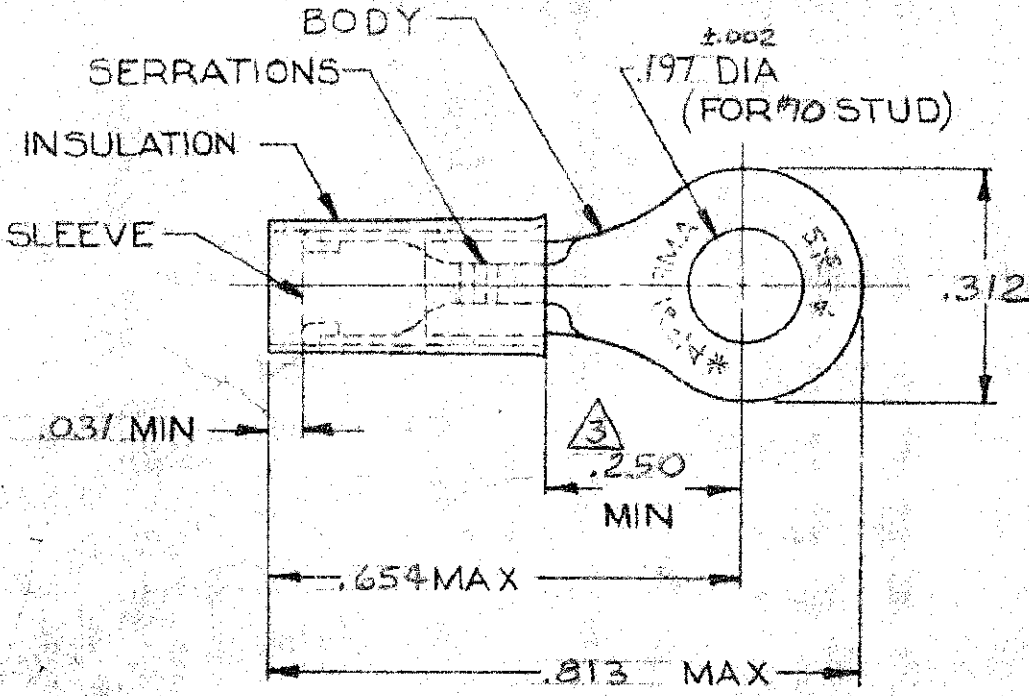
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REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
0	NPS 75-0159	4-8-75	<i>LWA</i>
A	REV PER 063A-0264-01	07/00/00/00	<i>JE/Tam</i>



- 1 FOR .115 TO .170 WIRE INSULATION DIA.
- 2 TONGUE MATERIAL THK. = .031 ±.002
- 3 DIMENSION APPLIES FROM EDGE OF METAL WIRE BBL TO CENTER OF STUD HOLE.

1	53942-1 ON TAPE	53942-2	BODY & SLEEVE: COPPER (QQ-C-576) TIN PL (MIL-T-10727)
1	WIRE TERMINAL	53942-1	INSULATION: NYLON (MIL-M-20693) TYPE I (COLOR: BLUE)
QTY	DESCRIPTION	PART NO.	MATERIAL & FINISH

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES  
 TOLERANCES ON:  
 DECIMALS ± .008  
 ANGLES 5°

CONTRACT NO. \_\_\_\_\_

DR. *Wayne L. Miller* 4-8-75

CHK *L. W. Miller* 4-9-75

APPD \_\_\_\_\_

REL *L. W. Miller* 4-10-75

SGM APPD \_\_\_\_\_

OTHER APPD \_\_\_\_\_

MATERIAL: SEE TABLE

**AMP** AMP INCORPORATED  
 HARRISBURG, PENNSYLVANIA

NAME: WIRE TERMINAL  
 P.I.D.G.-RING TONGUE  
 WIRE SIZE: 16-14

SIZE	CODE IDENT NO.	NUMBER
A	00779	53942

SCALE: NTS SHEET 1 OF 1