



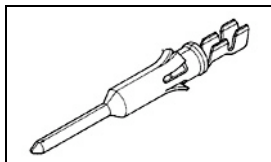
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66591-1 Product Details

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66591-1

TE Internal Number: 66591-1

Active

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Multimate

Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:

- Contact Type = Pin
- Contact Classification = Signal
- Type VI Series
- Tin Contact Plating, Mating Area, Material
- Wire Range = 0.30-0.90² [22-18] mm [AWG]

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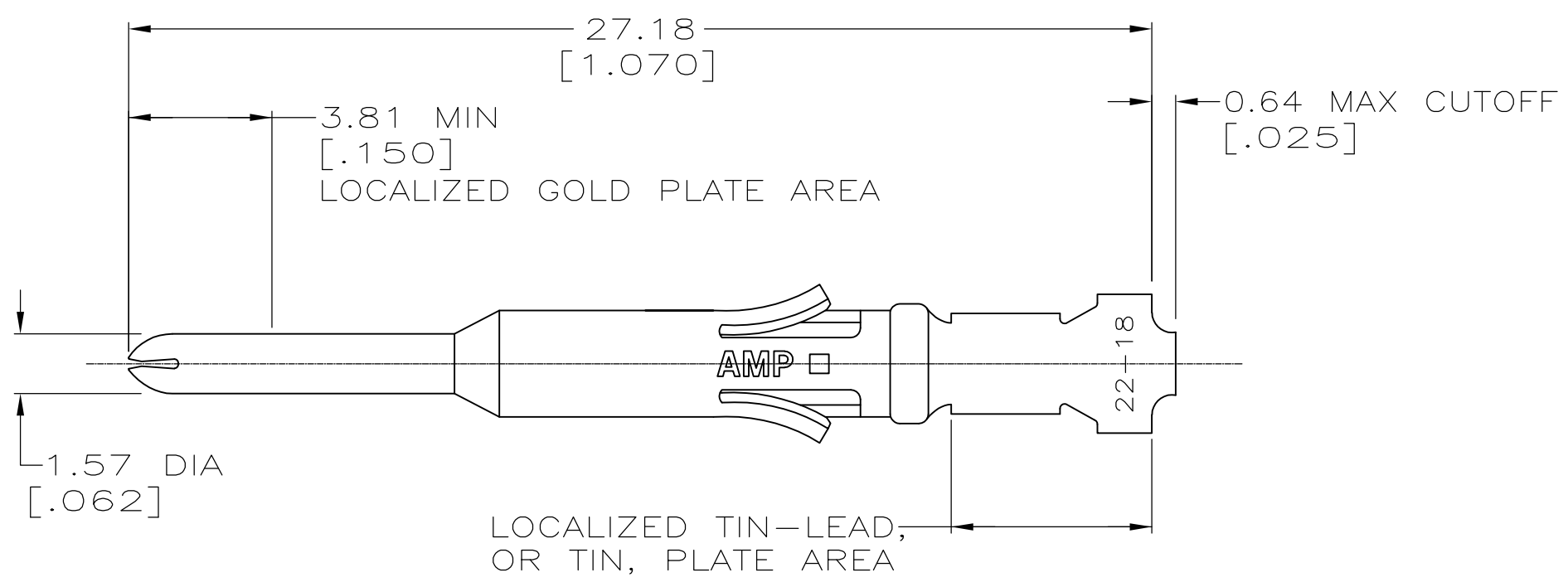
Documentation & Additional Information	
<p>Product Drawings:</p> <ul style="list-style-type: none"> • CONTACT, PIN, LOOSE PIECE, TYPE VI, MULTIMATE (PDF, English) <p>Catalog Pages/Data Sheets:</p> <ul style="list-style-type: none"> • None Available <p>Product Specifications:</p> <ul style="list-style-type: none"> • Commercial High Current, High Voltage, LGH Connector (PDF, English) <p>Application Specifications:</p> <ul style="list-style-type: none"> • Type VI Insulation Grip Contacts (PDF, English) <p>Instruction Sheets:</p> <ul style="list-style-type: none"> • Selection of Multimate Pin and Socket Contacts (PDF, English) <p>CAD Files: (CAD Format & Compression Information)</p> <ul style="list-style-type: none"> • 2D Drawing (DXF, Version F) • 3D Model (IGES, Version F) • 3D Model (STEP, Version F) 	<p>Additional Information:</p> <ul style="list-style-type: none"> • Product Line Information <p>Related Products:</p> <ul style="list-style-type: none"> • Tooling

[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"> • Insulation Support = Yes • Wire/Cable Type = Discrete Wire • Grade = Commercial <p>Electrical Characteristics:</p> <ul style="list-style-type: none"> • High Current = No • Test Current (A) = 13.0 <p>Termination Features:</p> <ul style="list-style-type: none"> • Termination End Plating = Tin • Termination Method to Wire/Cable = Crimp <p>Dimensions:</p> <ul style="list-style-type: none"> • Pin Diameter (mm [in]) = 1.57 [0.062] <p>Body Features:</p> <ul style="list-style-type: none"> • Wire Range (mm [AWG]) = 0.30-0.90² [22-18] • Spring Material = Stainless Steel • Used With = G Series Connectors 	<p>Contact Features:</p> <ul style="list-style-type: none"> • Contact Type = Pin • Contact Classification = Signal • Contact Plating, Mating Area, Material = Tin • Contact Base Material = Brass • Contact Size = 16 <p>Industry Standards:</p> <ul style="list-style-type: none"> • RoHS/ELV Compliance = RoHS compliant, ELV compliant • Lead Free Solder Processes = Not relevant for lead free process • RoHS/ELV Compliance History = Always was RoHS compliant <p>Conditions for Usage:</p> <ul style="list-style-type: none"> • Accepts Wire Insulation Diameter, Range (mm [in]) = 1.27 - 2.79 [0.050 - 0.110] • Applies To = Wire/Cable <p>Packaging Features:</p> <ul style="list-style-type: none"> • Packaging Method = Loose Piece/Bulk <p>Other:</p> <ul style="list-style-type: none"> • Series = Type VI • Brand = AMP • Comment = Wire strip length-- 3.96 [.156] for all wire sizes.

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LOC	DIST	REVISIONS					
BD	39	P	LTR	DESCRIPTION	DATE	DWN	APVD
			F1	REVISED PER ECO-11-005027	11MAR11	RK	HMR



1. WIRE RANGE 22-18 AWG.
2. INSULATION RANGE 1.27-2.79 [.050-.110] DIA.
3. 0.76 μm [.000030] MIN GOLD IN LOCALIZED GOLD PLATE AREA, 1.27 μm [.000050] MIN TIN-LEAD IN LOCALIZED TIN-LEAD PLATE AREA, BOTH OVER 1.27 μm [.000050] MIN NICKEL.
4. TIN PLATED.
5. GOLD PLATING PER MIL-G-45204, TIN PER MIL-T-10727 AND NICKEL PER QQ-N-290.
6. 0.76 μm [.000030] MIN GOLD IN LOCALIZED GOLD PLATE AREA, 1.27 μm [.000050] MIN TIN IN LOCALIZED TIN PLATE AREA, BOTH OVER 1.27 μm [.000050] MIN NICKEL.

66581-7	6	66591-4
66581-4	3	66591-2
66581-2	4	66591-1
STRIP REF	FINISH	PART NO

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN D.HARDY 06/15/94	STE TE Connectivity													
DIMENSIONS: INCHES		CHK R.STONE 06/22/94														
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD G.STEINHAUER 06/27/94	NAME CONTACT, PIN, LOOSE PIECE, TYPE VI, MULTIMATE													
<table border="1"> <tr><td>0 PLC</td><td>± -</td></tr> <tr><td>1 PLC</td><td>± -</td></tr> <tr><td>2 PLC</td><td>± 0.13 [.005]</td></tr> <tr><td>3 PLC</td><td>± -</td></tr> <tr><td>4 PLC</td><td>± -</td></tr> <tr><td>ANGLES</td><td>± -</td></tr> </table>		0 PLC	± -	1 PLC	± -	2 PLC	± 0.13 [.005]	3 PLC	± -	4 PLC	± -	ANGLES	± -	PRODUCT SPEC -	SIZE A3	
0 PLC	± -															
1 PLC	± -															
2 PLC	± 0.13 [.005]															
3 PLC	± -															
4 PLC	± -															
ANGLES	± -															
MATERIAL BRS PER MIL-C-50		APPLICATION SPEC -	CAGE CODE 00779	DRAWING NO C-66591												
FINISH 5 SEE TABLE		WEIGHT -	RESTRICTED TO -													
CUSTOMER DRAWING			SCALE 6:1	SHEET 1 OF 1												
			REV F1													