



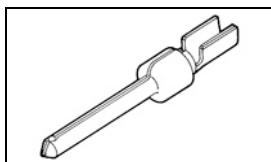
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205202-7 Product Details

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205202-7

TE Internal Number: 205202-7

Active

Standard Cable Connectors

Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:

- Contact
- Product Series = HDP-20 (Crimp Snap)
- Contact Type = Pin
- Brass Contact Base Material
- Crimp Termination Method to Wire/Cable

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Documentation & Additional Information	
<p>Product Drawings:</p> <ul style="list-style-type: none"> • PIN CONTACT, SIZE 20 DF, 20-24 AWG, AMPLIMITE (PDF, English) <p>Catalog Pages/Data Sheets:</p> <ul style="list-style-type: none"> • Signal Contacts (PDF, English) <p>Product Specifications:</p> <ul style="list-style-type: none"> • AMPLIMITE HDP-20 Subminiature D Connector With F Cri... (PDF, English) <p>Application Specifications:</p> <ul style="list-style-type: none"> • HD-20 Precision Formed Contacts (PDF, English) • AMPLIMITE HDP-20 and Economy Crimp Snap Subminiature... (PDF, English) <p>Instruction Sheets:</p> <ul style="list-style-type: none"> • AMPLIMITE High Density (HDP-20) Connectors with Crim... (PDF, English) • Insertion/Extraction Tool 91285-1 and Replacement Ti... (PDF, English) <p>CAD Files:</p> <ul style="list-style-type: none"> • None Available 	<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"> • Product Type = Contact • Product Series = HDP-20 (Crimp Snap) • Termination Method to Wire/Cable = Crimp • Insulation Support = No • Grade = Standard <p>Mechanical Attachment:</p> <ul style="list-style-type: none"> • Contact Retention in Housing = Crimp Snap-In <p>Termination Features:</p> <ul style="list-style-type: none"> • Solder Tail Contact Plating = Gold Flash over Nickel <p>Dimensions:</p> <ul style="list-style-type: none"> • Pin Diameter (mm [in]) = 1.02 [0.040] <p>Body Features:</p> <ul style="list-style-type: none"> • Wire Range (mm² [AWG]) = 0.2 - 0.6 [24-20] 	<p>Contact Features:</p> <ul style="list-style-type: none"> • Contact Type = Pin • Contact Base Material = Brass • Contact Plating, Mating Area, Material = Gold Flash • Contact Size = 20 <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>Packaging Features:</p> <ul style="list-style-type: none"> • Packaging Method = Loose Piece <p>Other:</p> <ul style="list-style-type: none"> • Brand = AMP • Comment = Wire insulation diameter is limited by the connector housing cavity and clearance for the insertion/extraction tool.

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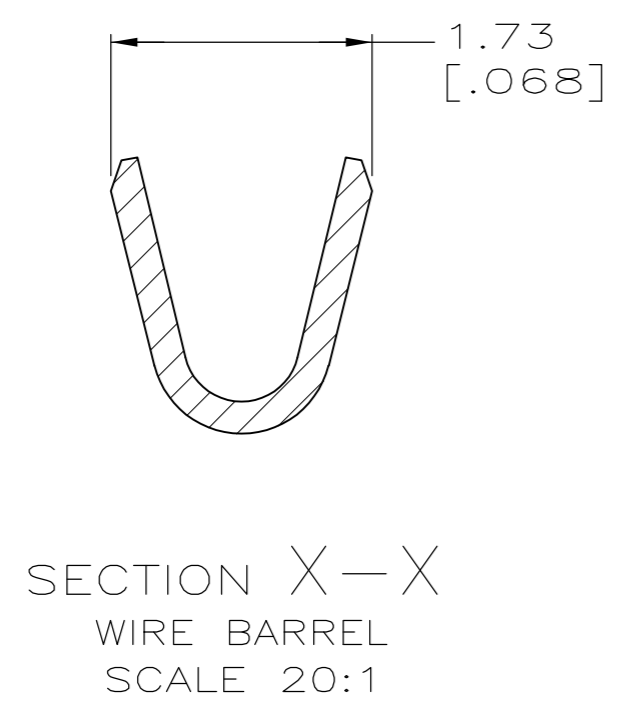
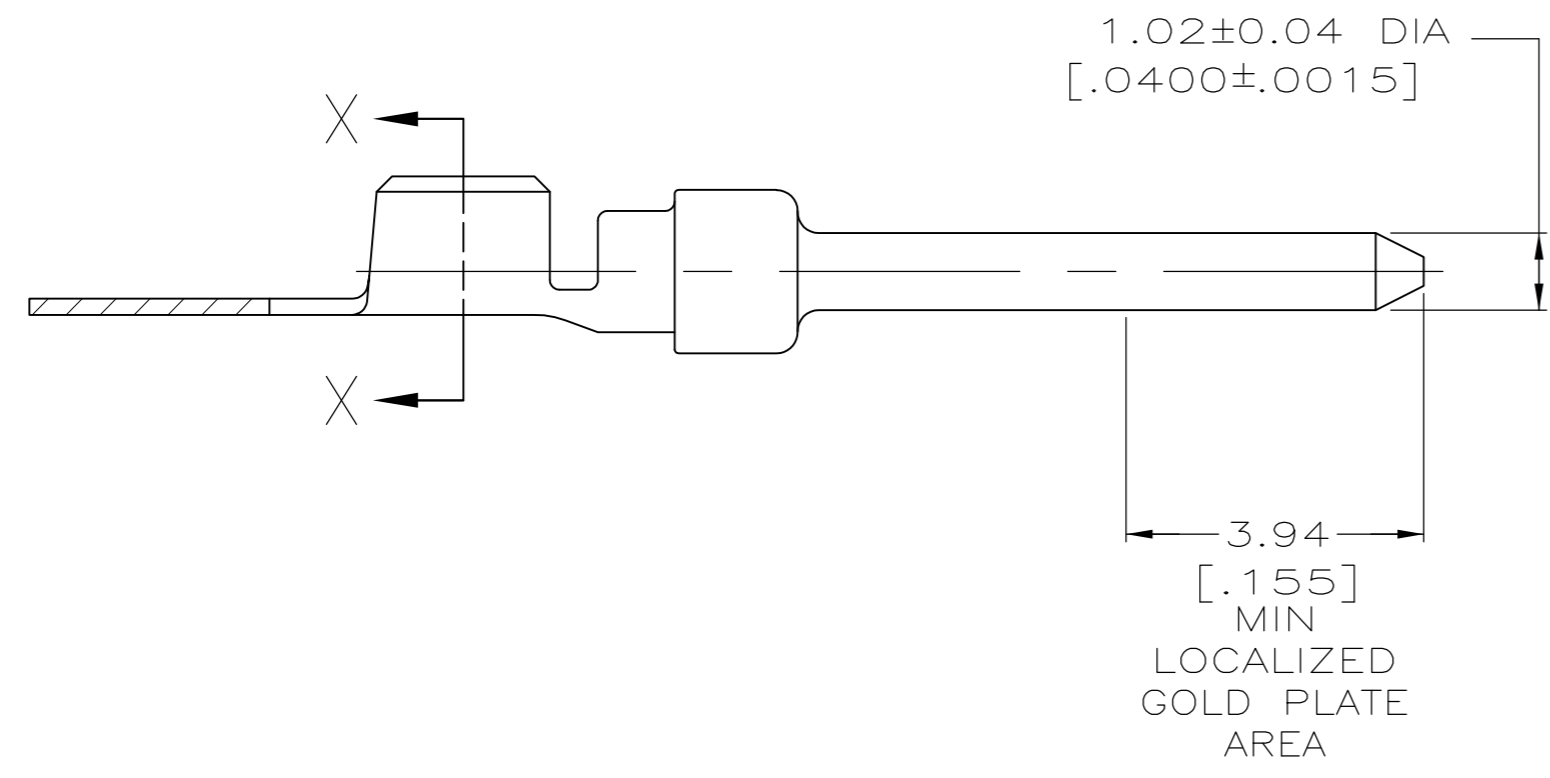
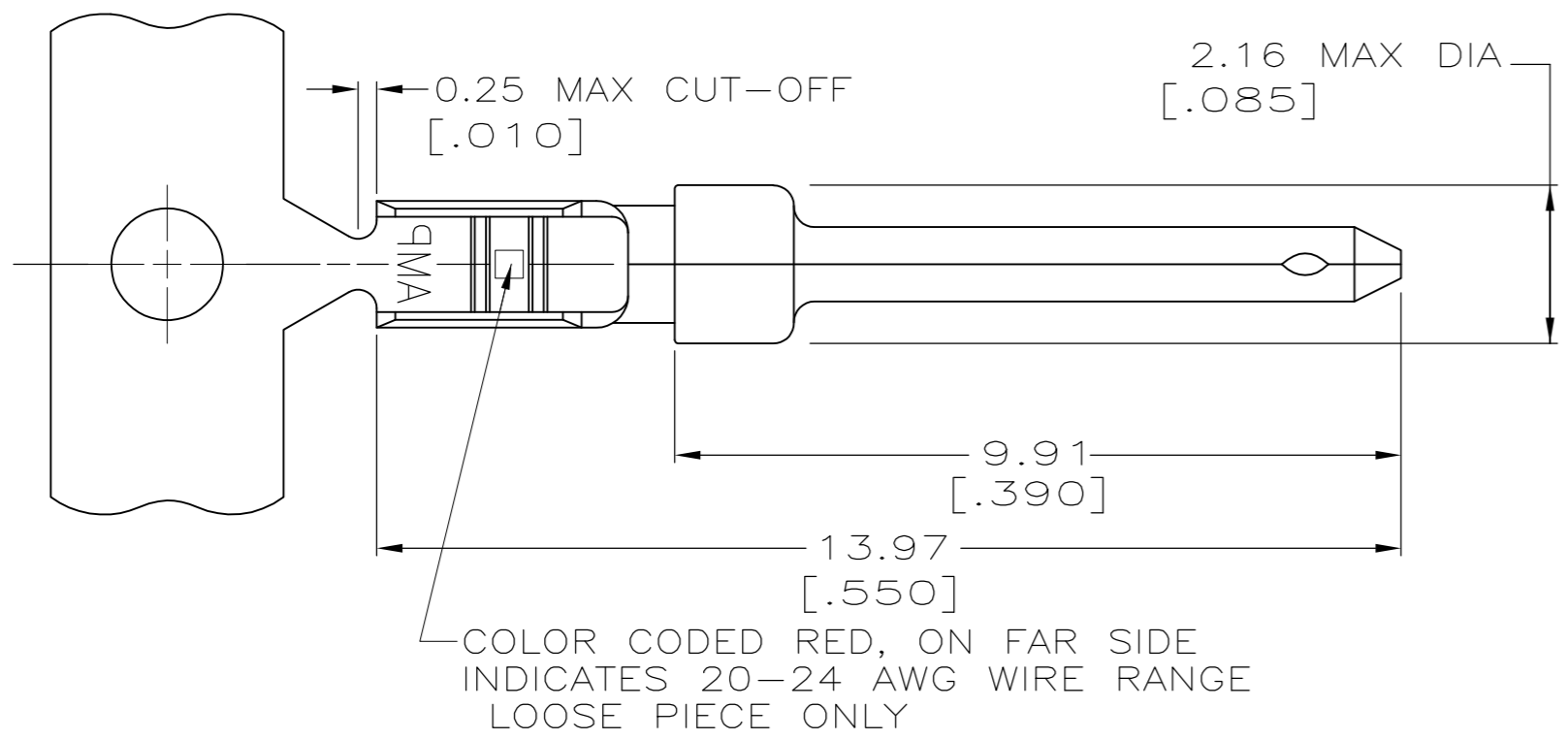
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LOC		DIST		REVISIONS			
P	LTR	DESCRIPTION		DATE	DWN	APVD	
GP	00	BC1	2	REVISED PER ECO-11-004835	11MAR11	RK HMR	



- 1 FOR MINI-APPLICATOR.
- 2 FOR HAND TOOL USE ONLY.
- 3 FOR STANDARD APPLICATOR PART #566051 & #566110 ONLY.
- 4. WIRE RANGE OF 20-24 AWG, .068 MAX INSULATION DIA.
- 5. GOLD PLATING MAY NOT APPEAR ON CARRIER STRIP.
- 6 GOLD PLATING PER MIL-G-45204. NICKEL PLATING PER QQ-N-290. TIN PLATING PER MIL-T-10727.
- 7 GOLD PLATED IN LOCALIZED GOLD PLATE AREA AS FOLLOWS:
 0.76µm [.000030] MIN GOLD IN MATED AREA, GOLD FLASH ON REMAINDER OF CONTACT, ALL OVER
 1.27µm [.000050] MIN NICKEL UNDERPLATE.
 OR
 GOLD FLASH OVER
 PALLADIUM-NICKEL PLATE, 0.76µm [.000030] MIN TOTAL IN MATED AREA, GOLD FLASH ON REMAINDER OF CONTACT. ALL OVER
 1.27µm [.000050] MIN NICKEL UNDERPLATE.
- 8 PLATED WITH GOLD FLASH OVER 0.76µm [.000030] MIN NICKEL.
- 9 PLATED WITH 2.54µm-5.08µm [.000100-.000200] TIN.
- 10 PLATED WITH GOLD FLASH IN LOCALIZED GOLD PLATE AREA, TIN PLATED WIRE BARREL, OVER 0.76µm [.000030] NICKEL.
- 11 GOLD PLATED IN LOCALIZED GOLD PLATED AREA, 0.76µm [.000030] GOLD IN MATED AREA, TIN PLATED WIRE BARREL, OVER 1.27µm [.000050] NICKEL.

SUPERSEDED BY 205202-2	STANDARD	11	1	STRIP	2-205202-5
SUPERSEDED BY 205202-6	STANDARD	10	1	STRIP	2-205202-2
SUPERSEDED BY 205202-6	STANDARD	9	1	STRIP	1-205202-4
	STANDARD	8	2	LOOSE PIECE	205202-7
	STANDARD	8	1	STRIP	205202-6
OBSOLETE	STANDARD	7	2	LOOSE PIECE	205202-4
	STANDARD	7	1	STRIP	205202-2
PACKAGING TYPE	FINISH	USE	TYPE	PART NUMBER	

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN S. WELDON 9-9-86	 TE Connectivity
CHK C. RICHARD 9-9-86	
APVD V. KUMAR 9-10-86	
PRODUCT SPEC	
MATERIAL BRASS PER MIL-C-50	NAME PIN CONTACT, SIZE 20 DF, 20-24 AWG, AMPLIMITE
DIMENSIONS: mm [INCHES]	APPLICATION SPEC 114-10000
TOLERANCES UNLESS OTHERWISE SPECIFIED:	SIZE A2 CAGE CODE 00779 DRAWING NO C=205202
0 PLC ± -	WEIGHT -
1 PLC ± -	CUSTOMER DRAWING
2 PLC ± 0.13 [.005]	SCALE 10:1 SHEET 1 OF 1
3 PLC ± -	REV BC1
4 PLC ± -	
ANGLES ± -	
FINISH SEE TABLE 6	