



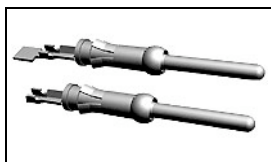
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1-66107-1 Product Details

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1-66107-1

TE Internal Number: 1-66107-1

Active

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Multimate

Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:

- Contact Type = Pin
- Contact Classification = Signal
- Type III+ Series
- Bright Tin Contact Plating, Mating Area, Material
- Wire Range = 0.12-0.24² [26-24] mm [AWG]

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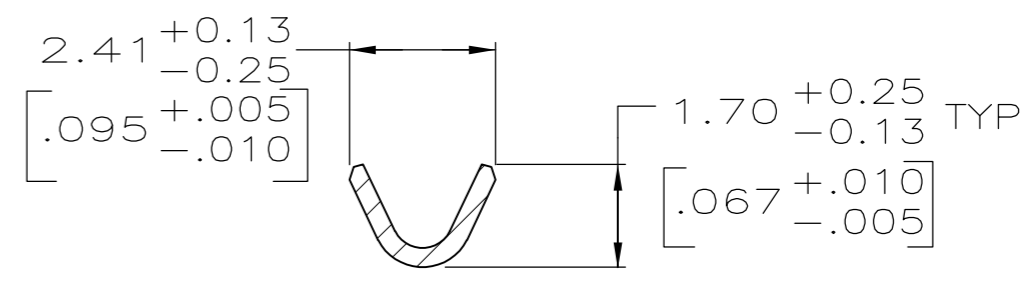
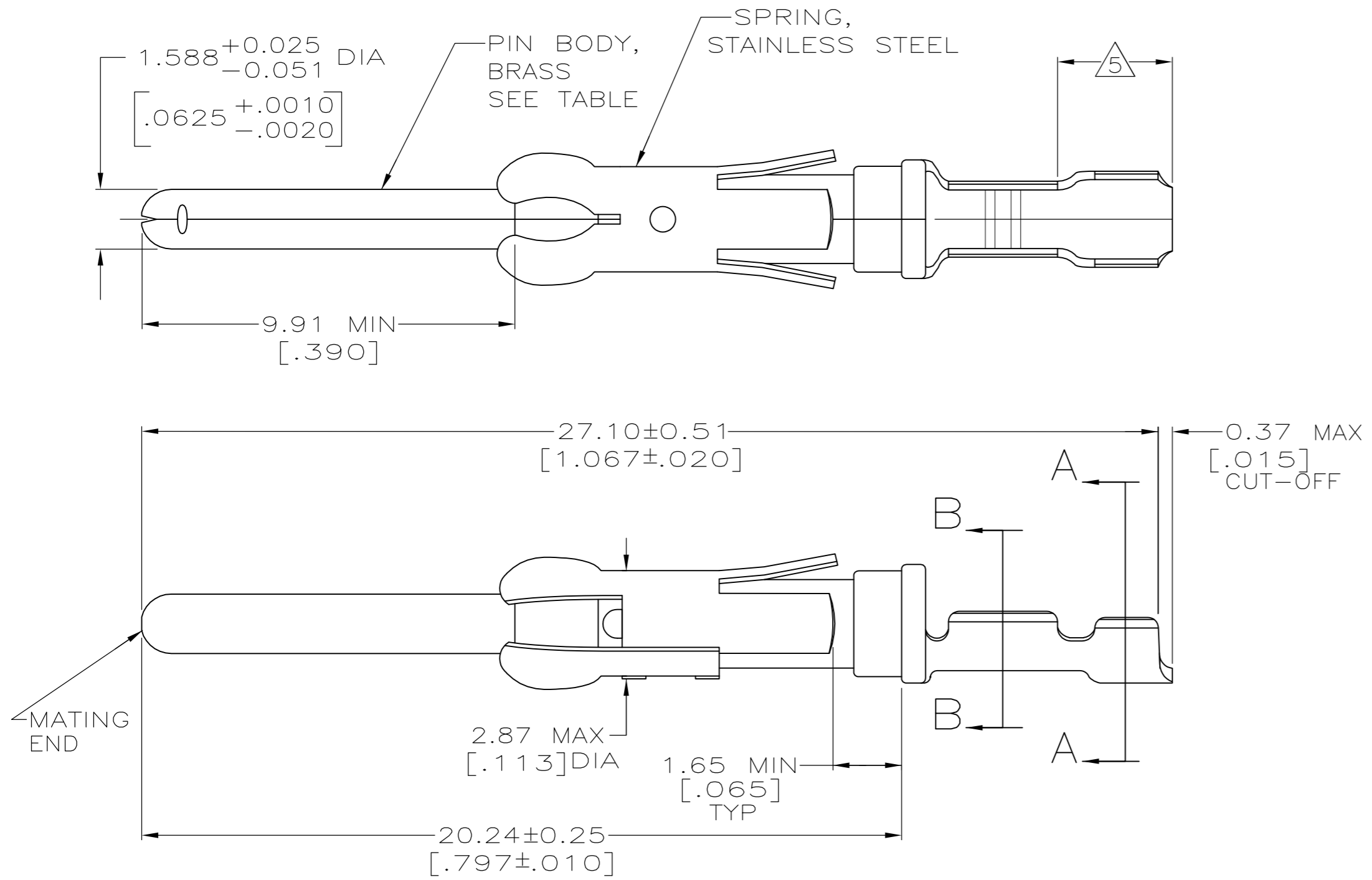
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Documentation & Additional Information	
<p>Product Drawings:</p> <ul style="list-style-type: none"> • PIN ASSEMBLY, LOOSE PIECE, TYPE III+ (PDF, English) <p>Catalog Pages/Data Sheets:</p> <ul style="list-style-type: none"> • Signal Contacts (PDF, English) • M_SERIES_PIN_AND_SOCKET_CONNECTORS (PDF, English) • AMP Circular Connectors for Commercial Signal & Powe... (PDF, English) <p>Product Specifications:</p> <ul style="list-style-type: none"> • Type III+ Stamped and Formed Contacts (PDF, English) <p>Application Specifications:</p> <ul style="list-style-type: none"> • Type III+ (Size 16) Contacts (PDF, English) <p>Instruction Sheets:</p> <ul style="list-style-type: none"> • None Available <p>CAD Files: (CAD Format & Compression Information)</p> <ul style="list-style-type: none"> • 2D Drawing (DXF, Version AC) • 3D Model (IGES, Version AC) • 3D Model (STEP, Version AC) <p style="text-align: right;">List all Documents</p>	<p>Additional Information:</p> <ul style="list-style-type: none"> • Product Line Information <p>Related Products:</p> <ul style="list-style-type: none"> • Tooling

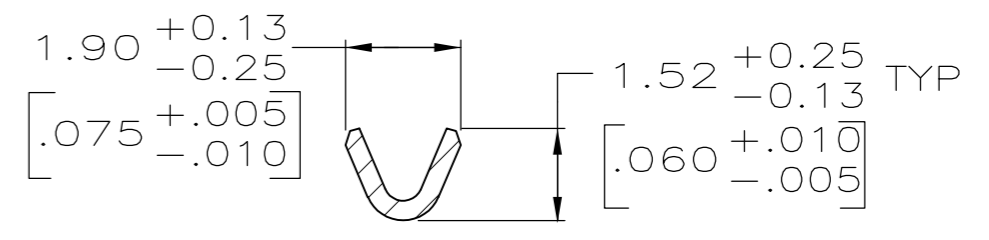
Product Features (Please use the Product Drawing for all design activity)	
<p>Product Type Features:</p> <ul style="list-style-type: none"> • Series = Type III+ • Insulation Support = Yes • Termination Method to Wire/Cable = Crimp • Wire/Cable Type = Discrete Wire • Grade = Commercial <p>Electrical Characteristics:</p> <ul style="list-style-type: none"> • High Current = No <p>Termination Features:</p> <ul style="list-style-type: none"> • Termination End Plating = Bright Tin <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]) = 0.12-0.24² [26-24] • Spring Material = Stainless Steel • Used With = G Series Connectors, M Series Connectors, CPC Connectors <p>Contact Features:</p> <ul style="list-style-type: none"> • Contact Type = Pin • Contact Classification = Signal • Contact Plating, Mating Area, Material = Bright 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]) = 0.89 - 1.40 [0.035 - 0.055] • Applies To = Wire/Cable • Test Current (A) = 13.0 <p>Packaging Features:</p> <ul style="list-style-type: none"> • Packaging Method = Loose Piece • Packaging Quantity = 1,000 Box/Carton <p>Other:</p> <ul style="list-style-type: none"> • Brand = AMP • Comment = PRO-CRIMPER II # 58495-1 Hand Tool for field repair use only.; Overall insulation crimp diameter, including crimp barrel, must not exceed 3.18 [.125].; Insertion Tool No. 91002-1 (for Insulation Dia. 1.78 [.070] or less), No. 200893-2 (for Insulation Dia. .090 [2.29] max.) Extraction Tool No. 305183.

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LOC	DIST	REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD
FT	47	G	REVISED PER ECO-12-012316	05JUL12	KH MZ



SECTION A-A



SECTION B-B

- ① 0.76µm [.000030] MIN PRECIOUS METAL PLATE ON MATING END FOR A LENGTH OF 5.08 [.200] MIN WITH 1.27µm [.000050] MIN MATTE TIN PLATE IN WIRE CRIMP AREA, BOTH OVER 1.27µm [.000050] MIN NICKEL PLATE. CONFORMS TO THE REQUIREMENTS OF TE CONNECTIVITY PRODUCT SPEC 108-10042, BASED ON EIA/ECA-364-1000.01A (CONTROLLED ENVIRONMENT APPLICATIONS).
- ② 0.76µm [.000030] MIN PRECIOUS METAL PLATE ON MATING END FOR A LENGTH OF 5.08 [.200] MIN WITH A UNIFORM GRADIENT TO 0.25µm [.000010] ON REMAINDER, OVER 1.27µm [.000050] MIN NICKEL PLATE. GOLD FLASH ALL OVER. CONFORMS TO THE REQUIREMENTS OF TE CONNECTIVITY PRODUCT SPEC 108-10042, BASED ON EIA/ECA-364-1000.01A (CONTROLLED ENVIRONMENT APPLICATIONS).
- ③ 0.38µm [.000015] MIN GOLD PER MIL-G-45204 ON MATING END FOR A LENGTH OF 5.08 [.200] MIN WITH 1.27µm [.000050] MIN MATTE TIN PLATE IN WIRE CRIMP AREA, BOTH OVER 1.27µm [.000050] MIN NICKEL PER QQ-N-290.
- ④ 1.27µm [.000050] MIN GOLD PER MIL-G-45204 ON MATING END FOR A LENGTH OF 5.08 [.200] MIN WITH GOLD FLASH ON THE REMAINDER OVER 1.90µm [.000075] MIN NICKEL PER QQ-N-290.
- ⑤ GOLD PLATING NOT REQUIRED IN THIS AREA.
- ⑥ 1.27µm [.000050] MIN TIN-LEAD PER MIL-T-10727 OVER 1.27µm [.000050] MIN NICKEL PER QQ-N-290.
- 7 WIRE RANGE 26-24 AWG.
- 8 INSULATION RANGE 0.89[.035]-1.40[.055] DIA.
- ⑨ 0.38µm [.000015] MIN GOLD PER MIL-G-45204 ON MATING END FOR A LENGTH OF 5.08 [.200] MIN, 1.27µm [.000050] MIN TIN-LEAD PER MIL-T-10727 FOR A LENGTH OF 5.69 [.224] MIN ON OPPOSITE END, BOTH OVER 1.27µm [.000050] MIN NICKEL PER QQ-N-290 ON ENTIRE CONTACT.
- ⑩ 1.27µm [.000050] MIN TIN PER MIL-T-10727 OVER 1.27µm [.000050] MIN NICKEL PER QQ-N-290.

	SMALL PACK	⑩	1-66107-1	1-66107-2
	STANDARD	⑩	1-66106-5	1-66107-1
	SMALL PACK	①	66106-4	1-66107-0
	SMALL PACK	⑥	66106-2	66107-9
OBSOLETE	STANDARD	⑨	1-66106-4	66107-8
OBSOLETE	STANDARD	④	1-66106-2	66107-7
	STANDARD	①	66106-4	66107-4
	STANDARD	③	66106-3	66107-3
	STANDARD	⑥	66106-2	66107-2
	STANDARD	②	66106-1	66107-1
	PACKAGING TYPE	PIN BODY FINISH	STRIP P/N REF	PART NO

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm [INCHES]	TOLERANCES UNLESS OTHERWISE SPECIFIED:	DWN L.SIPE 06/02/92	
	0 PLC ± -	CHK W.LENKER 6-11-92	
	1 PLC ± -	APVD G.STEINHAUER 7-8-92	
	2 PLC ± 0.13 [.005]	NAME	
MATERIAL SEE CALLOUTS	FINISH SEE CALLOUTS	WEIGHT -	PIN ASSEMBLY, LOOSE PIECE, TYPE III+
CUSTOMER DRAWING		SCALE 8:1	RESTRICTED TO

SIZE A2 CAGE CODE 00779 DRAWING NO C=66107 SHEET 1 OF 1 REV G