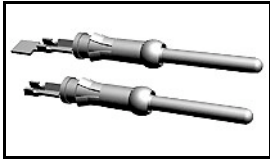


1-66107-2 Product Details

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1-66107-2

TE Internal Number: 1-66107-2

 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
- Tin Contact Plating, Mating Area, Material
- Wire Range = 0.12-0.24² [26-24] mm [AWG]

[View all Features](#)

Quick Links

- ▶ [Pricing & Availability](#)
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Documentation & Additional Information

Product Drawings:

- [PIN ASSEMBLY, LOOSE PIECE, TYPE III+](#) (PDF, English)

Catalog Pages/Data Sheets:

- None Available

Product Specifications:

- None Available

Application Specifications:

- None Available

Instruction Sheets:

- None Available

CAD Files: (CAD Format & Compression Information)

- [2D Drawing](#) (DXF, Version AC)
- [3D Model](#) (IGES, Version AC)
- [3D Model](#) (STEP, Version AC)

[List all Documents](#)

Additional Information:

- [Product Line Information](#)

Related Products:

- [Tooling](#)

Product Features (Please use the Product Drawing for all design activity)

Product Type Features:

- Series = Type III+
- [Insulation Support](#) = Yes
- [Termination Method to Wire/Cable](#) = Crimp
- Wire/Cable Type = Discrete Wire
- Grade = Commercial

Electrical Characteristics:

- High Current = No

Termination Features:

- [Termination End Plating](#) = Tin

Dimensions:

- Pin Diameter (mm [in]) = 1.57 [0.062]

Body Features:

- [Wire Range \(mm \[AWG\]\)](#) = 0.12-0.24² [26-24]

Industry Standards:

- [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

Conditions for Usage:

- [Accepts Wire Insulation Diameter, Range \(mm \[in\]\)](#) = 0.89 – 1.40 [0.035 – 0.055]
- [Applies To](#) = Wire/Cable
- Test Current (A) = 13.0

Packaging Features:

- [Packaging Method](#) = Loose Piece/Bulk
- [Packaging Quantity](#) = 100/Box

- Spring Material = Stainless Steel
- Used With = M Series Connectors, CPC Connectors, G Series Connectors

Contact Features:

- Contact Type = Pin
- Contact Classification = Signal
- Contact Plating, Mating Area, Material = Tin
- Contact Base Material = Brass
- Contact Size = 16

Other:

- 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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Quick Links

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- [Site Map](#)

Customer Support

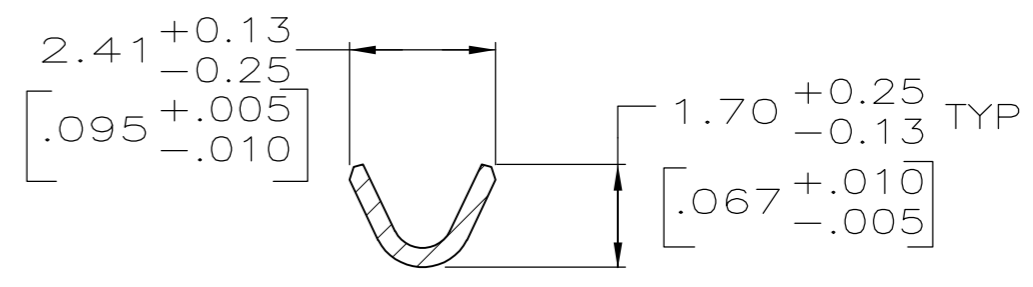
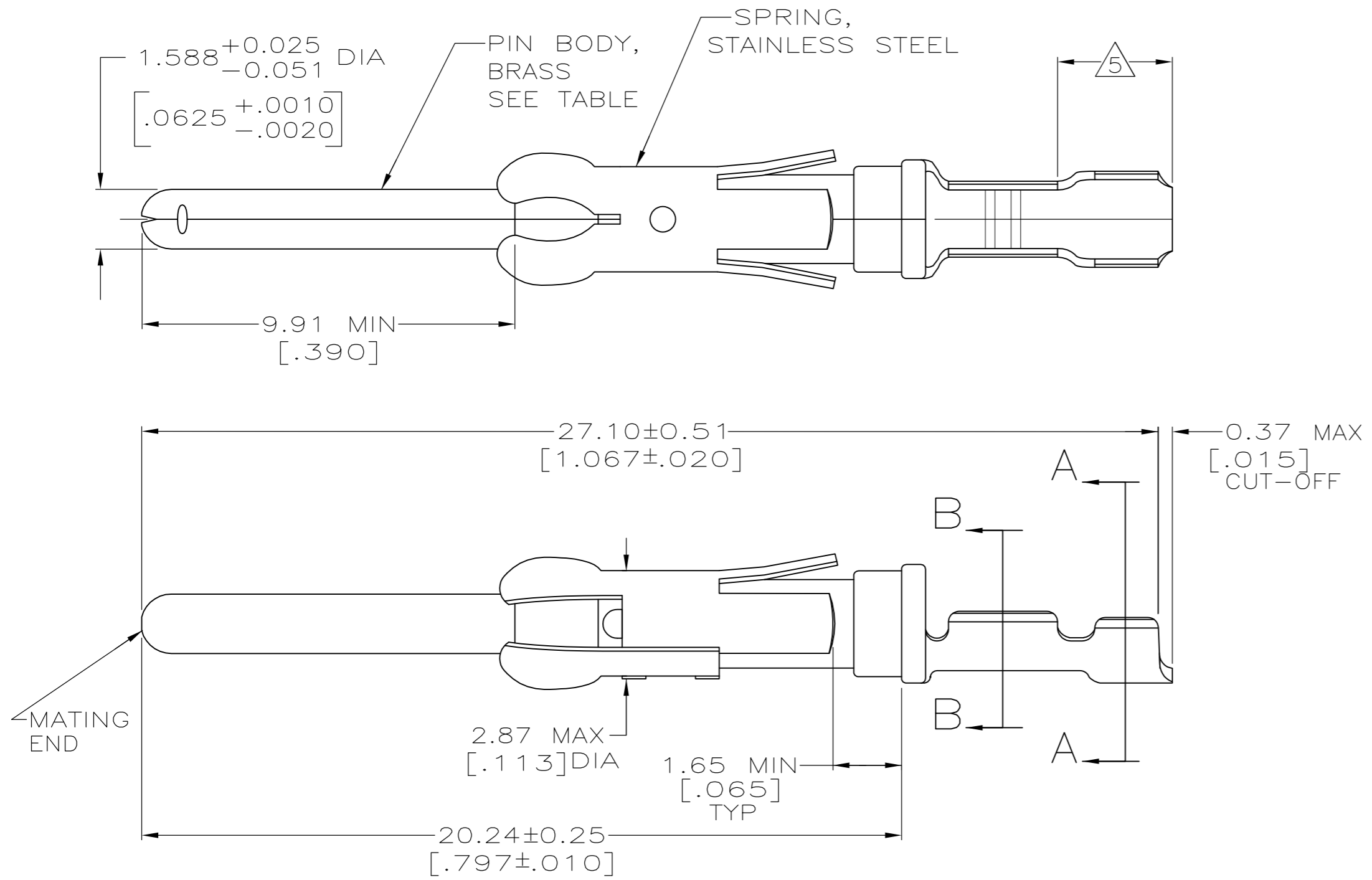
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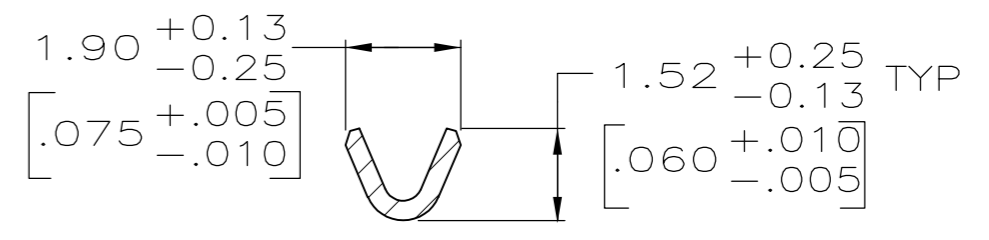


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LOC	DIST	REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD
FT	47	G	REVISED PER ECO-12-012316	05JUL12	KH MZ



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: 0 PLC ± - 1 PLC ± - 2 PLC ± 0.13 [.005] 3 PLC ± - 4 PLC ± - ANGLES ± -	DWN L.SIPE 06/02/92 CHK W.LENKER 6-11-92 APVD G.STEINHAUER 7-8-92 PRODUCT SPEC - APPLICATION SPEC - WEIGHT -	NAME TE Connectivity PIN ASSEMBLY, LOOSE PIECE, TYPE III+
MATERIAL SEE CALLOUTS	FINISH SEE CALLOUTS	SIZE A2 CAGE CODE 00779 DRAWING NO C=66107	RESTRICTED TO -

CUSTOMER DRAWING SCALE 8:1 SHEET 1 OF 1 REV G