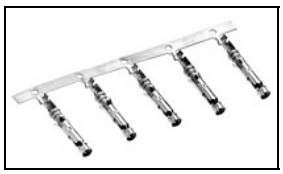
1-66100-9 Product Details



1-66100-9

TE Internal Number: 1-66100-9

Active

Multimate

Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:

- Contact Type = Socket
- Contact Classification = Signal
- Type III+ Series
- Bright Tin Contact Plating, Mating Area, Material
- Wire Range = 0.80-1.40² [18-16] mm [AWG]

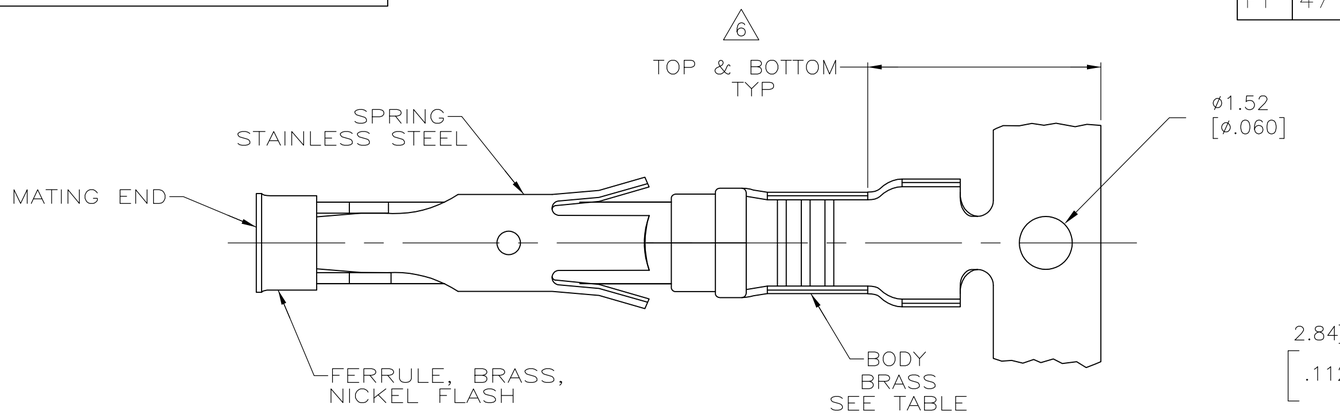
Documentation & Additional Information	
Product Drawings: • SOCKET ASSEMBLY, .062, TYPE III+ (PDF, English) **Catalog Pages/Data Sheets:** • Signal Contacts (PDF, English) • M_SERIES_PIN_AND_SOCKET_CONNECTORS (PDF, English) • AMP Circular Connectors for Commercial Signal & Powe... (PDF, English) **Product Specifications:** • PCB Mounted Circular Plastic Connector (PDF, English) **Application Specifications:** • Type III+ (Size 16) Contacts (PDF, English) **Instruction Sheets:** • None Available **CAD Files:** (CAD Format & Compression Information) • 2D Drawing (DXF, Version BJ) • 3D Model (IGES, Version BJ) • 3D Model (STEP, Version BJ)	**Additional Information:** • Product Line Information **Related Products:** • Tooling

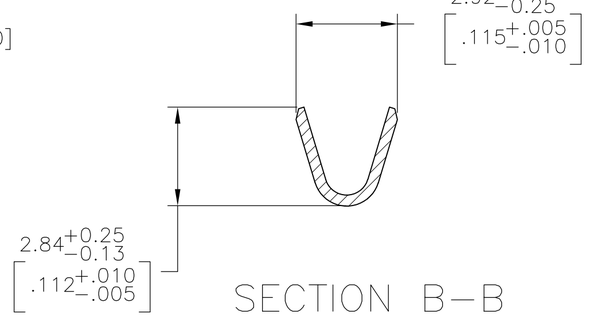
Product Features (Please use the Product Drawing for all design activity)	
Product Type Features: • Series = Type III+ • Insulation Support = Yes • Termination Method to Wire/Cable = Crimp • Wire/Cable Type = Discrete Wire • Grade = Commercial **Electrical Characteristics:** • High Current = No **Termination Features:** • Termination End Plating = Bright Tin **Dimensions:** • Pin Diameter (mm [in]) = 1.57 [0.062] **Body Features:** • Wire Range (mm [AWG]) = 0.80-1.40² [18-16] • Spring Material = Stainless Steel • Used With = G Series Connectors, CPC Connectors, M Series Connectors **Contact Features:** • Contact Type = Socket • Contact Classification = Signal • Contact Plating, Mating Area, Material = Bright Tin • Contact Base Material = Brass • Contact Size = 16	**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]) = 2.03 – 2.54 [0.080 – 0.100] • Applies To = Wire/Cable • Test Current (A) = 13.0 **Packaging Features:** • Packaging Method = Strip • Packaging Quantity = 4,000/Reel **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].

LOC	DIST
FT	47

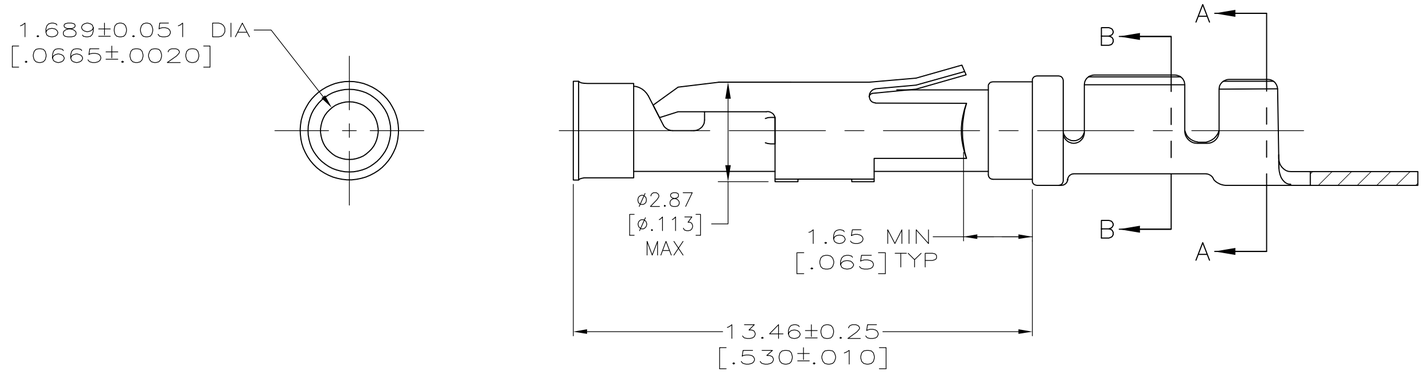
REVISIONS

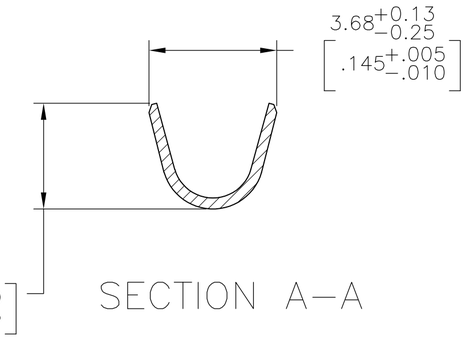
P	LTR	DESCRIPTION	DATE	DWN	APVD
	AL	REVISED PER ECO-12-012320	04JUL12	KH	MZ





SECTION B-B





SECTION A-A

1. 0.76µm [.000030] 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 0.76µm [.000030] MIN NICKEL PER QQ-N-290.
2. 1.27µm [.000050] MIN TIN-LEAD PER MIL-T-10727 OVER 0.76µm [.000030] MIN NICKEL PER QQ-N-290.
3. 0.76µm [.000030] MIN GOLD PER MIL-G-45204 ON MATING END FOR A LENGTH OF 5.08 [.200] MIN WITH A UNIFORM GRADIENT TO 0.25µm [.000010] MIN GOLD PER MIL-G-45204 ON THE REMAINDER OVER 0.76µm [.000030] MIN NICKEL PER QQ-N-290.
4. 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 0.76µm [.000030] MIN NICKEL PER QQ-N-290.
5. 1.27µm [.000050] MIN GOLD PER MIL-G-45204 ON MATING END FOR A LENGTH OF 5.08 [.200] MIN WITH GOLD FLASH ON REMAINDER OVER 1.90µm [.000075] MIN NICKEL PER QQ-N-290.
6. GOLD PLATING NEED NOT APPEAR IN THIS AREA EXCEPT 1-66100-3 HAS GOLD PLATING ON INSULATION BARREL.
7. REVERSE REELED FOR MINI-APPLICATOR.
8. WIRE RANGE 18-16 AWG. INSULATION RANGE 2.03[.080]-2.54[.100].
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 0.76µm [.000030] MIN NICKEL PER QQ-N-290.

	REELING	BODY FINISH	LOOSE PIECE REF	PART NO.
	STANDARD	10	1-66101-9	2-66100-0
	7	10	1-66101-9	1-66100-9
OBSOLETE	7	9	1-66101-4	1-66100-7
OBSOLETE	-	5	-	1-66100-3
	7	1	66101-4	66100-9
	7	4	66101-3	66100-8
	7	2	66101-2	66100-7
	7	3	66101-1	66100-6
	STANDARD	1	66101-4	66100-4
	STANDARD	4	66101-3	66100-3
	STANDARD	2	66101-2	66100-2
	STANDARD	3	66101-1	66100-1

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 ± -

MATERIAL: SEE CALLOUTS
FINISH: SEE CALLOUTS

DWN V. FURLER 11JUL03
CHK G. STEINHAUER 11JUL03
APVD G. STEINHAUER 11JUL03
PRODUCT SPEC -
APPLICATION SPEC -
WEIGHT -

TE Connectivity

NAME: SOCKET ASSEMBLY, .062, TYPE III+ -

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-66100	-

CUSTOMER DRAWING | SCALE 8:1 | SHEET 1 OF 1 | REV AL

66100

1471-9 (3/11)