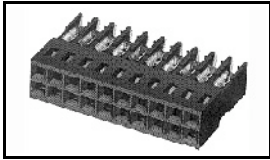


## 7-102398-3 Product Details

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7-102398-3

TE Internal Number: 7-102398-3

 Active

[View 3D PDF](#)

### .100 AMPMODU Headers, Housings & Contacts

 Always EU RoHS/ELV Compliant  
(Statement of Compliance)

#### Product Highlights:

- Connector
- Housing
- Connector Style = Receptacle
- Contact Type = Socket
- 2.54 mm Centerline

[View all Features](#)

### Quick Links

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

#### Product Drawings:

- [AMPMODU MT, RECEPTACLE ASSEMBLY STANDARD-PRESSURE CO...](#) (PDF, English)

#### Catalog Pages/Data Sheets:

- [AMPMODU\\_INTERCONNECTION\\_SYSTEM\\_SECTIONS5\\_CONT](#) (PDF, English)

#### Product Specifications:

- [AMPMODU Mass Terminated Interconnection System](#) (PDF, English)
- [Interconnection System, AMPMODU MT, Shielding Access...](#) (PDF, English)

#### Application Specifications:

- [AMPMODU Mass Termination \(MT\) Interconnection System](#) (PDF, English)

#### Instruction Sheets:

- None Available

#### CAD Files: (CAD Format & Compression Information)

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

[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:

- Product Type = Connector
- Connector Type = Housing
- [Termination Method to Wire/Cable](#) = Insulation Displacement Crimp (IDC)
- [Mating Connector Lock](#) = Without
- Wire Insulation Diameter (mm [in]) = 1.27 [0.050]
- [Connector Series](#) = MT
- Keyed = No
- Stamped = Yes
- Applied Pressure = Standard

#### Electrical Characteristics:

#### Housing Features:

- Connector Style = Receptacle
- Centerline (mm [in]) = 2.54 [0.100]
- Mating Alignment = Without
- [Housing Color](#) = Black
- Housing Material = Thermoplastic - GF

#### Configuration Features:

- [Number of Positions](#) = 50
- [Number of Rows](#) = 2

#### Industry Standards:

- [RoHS/ELV Compliance](#) = RoHS compliant, ELV

- Contact - Rated Current (A) = 3
- Termination Resistance (mΩ) = 15
- Insulation Resistance (MΩ) = 5,000
- Dielectric Withstanding Voltage (V) = 600

**Termination Features:**

- Solder Tail Contact Plating = Tin

**Dimensions:**

- Insulation Diameter (mm [in]) = 1.27 [.050] Max.

**Body Features:**

- Row-to-Row Spacing (mm [in]) = 2.54 [0.100]
- Wire Range (mm [AWG]) = 0.12-0.40<sup>2</sup> [26-22]

**Contact Features:**

- Contact Type = Socket
- Contact Plating, Mating Area, Material = Gold (30)
- Contact Base Material = Copper Alloy

compliant

- [Lead Free Solder Processes](#) = Not relevant for lead free process
- RoHS/ELV Compliance History = Always was RoHS compliant
- Approved Standards = UL E28476, CSA LR7189

**Environmental:**

- Operating Temperature (°C) = -65 – +105

**Conditions for Usage:**

- [Applies To](#) = Wire/Cable

**Other:**

- Brand = AMP

**Corporate Information**

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**Quick Links**

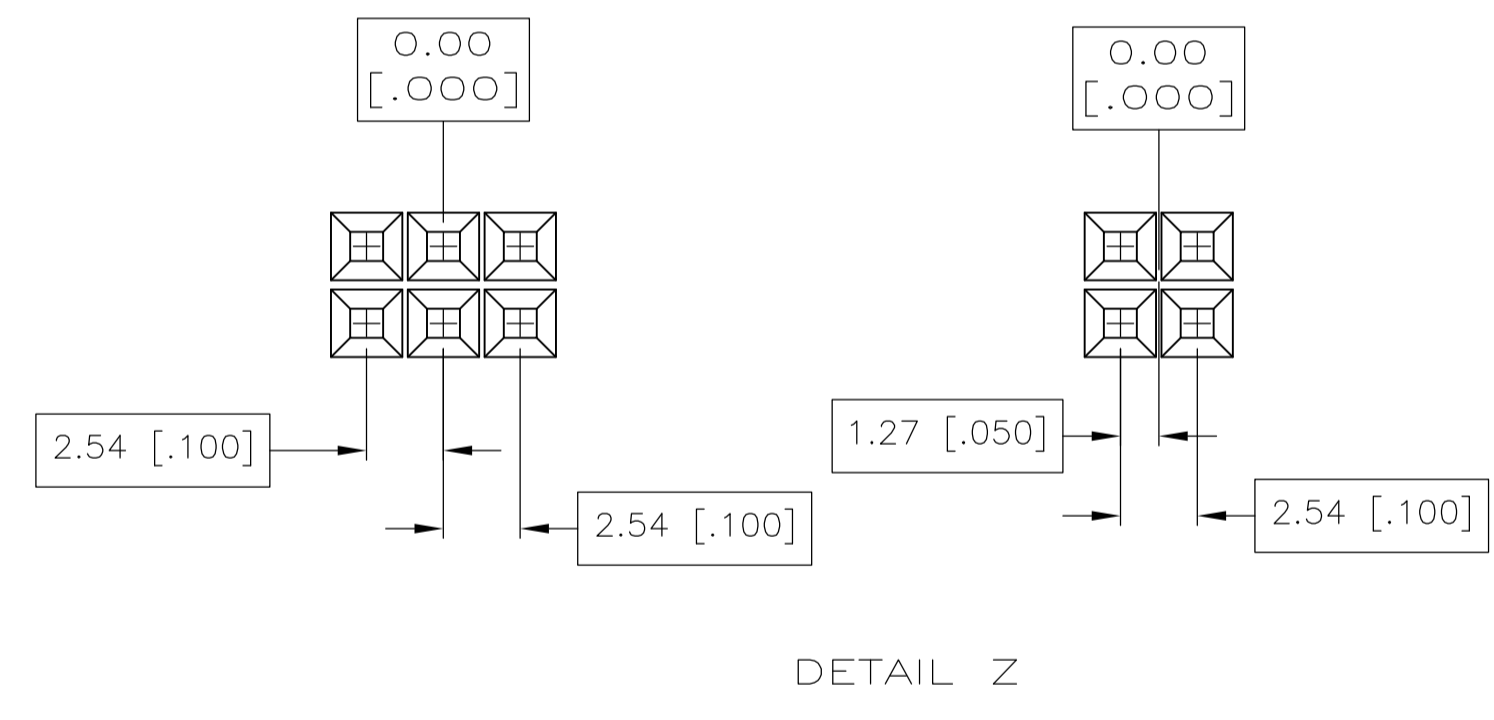
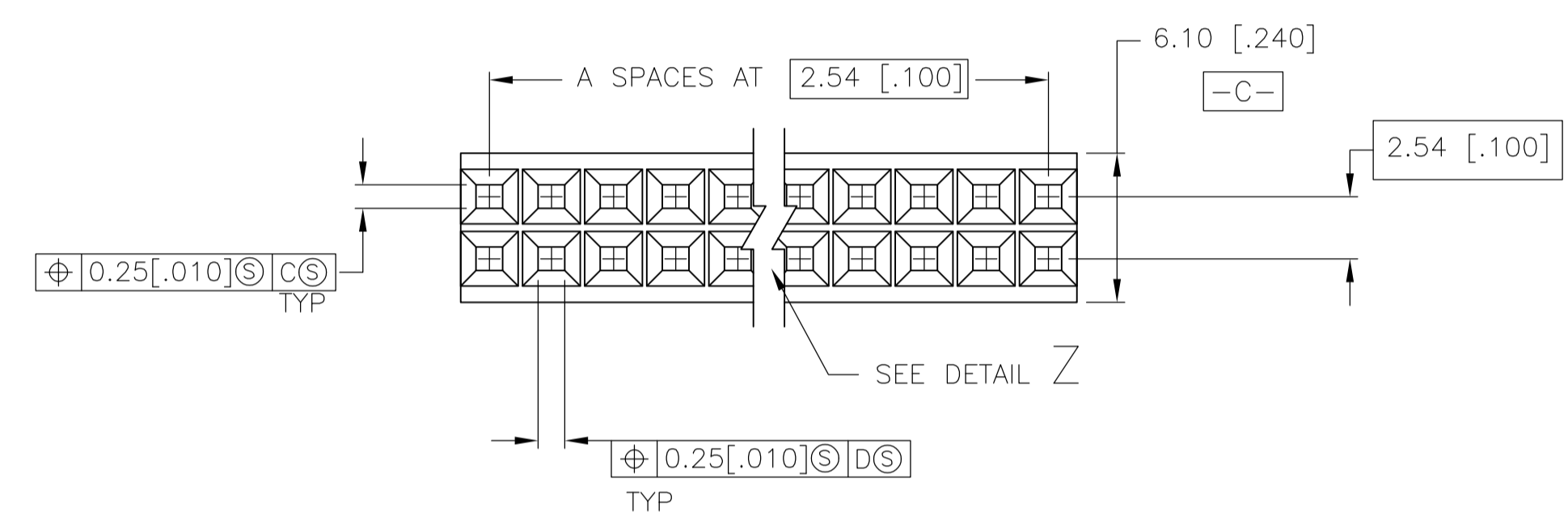
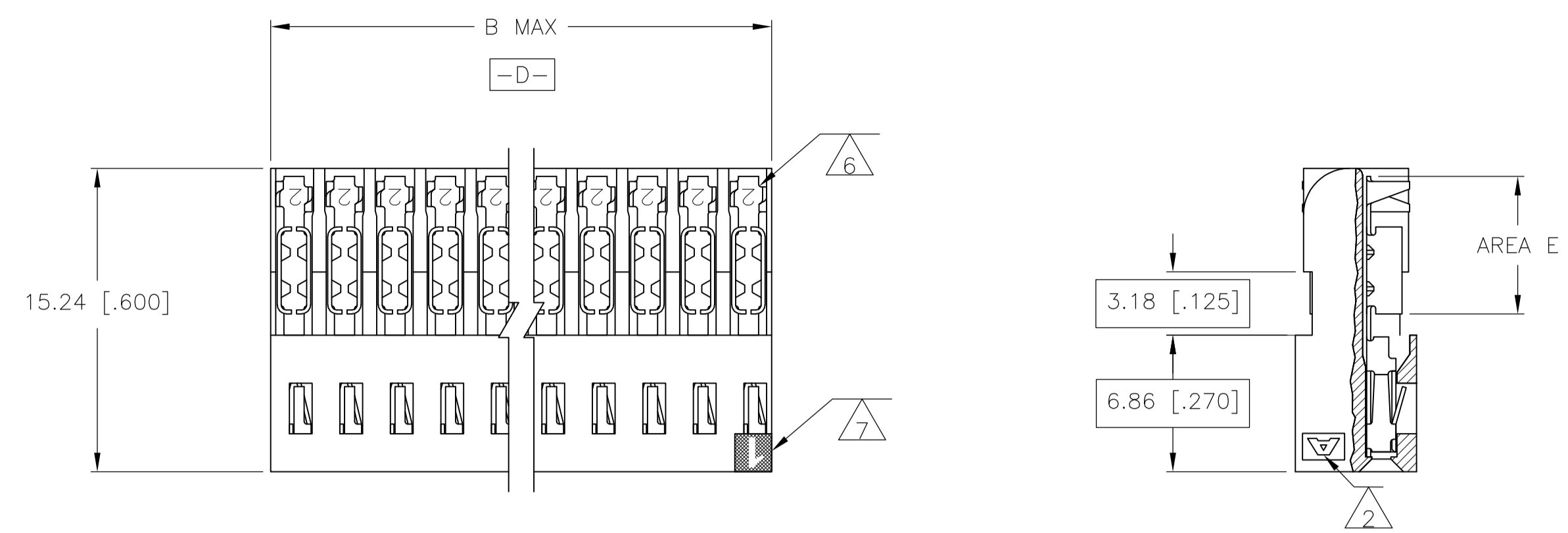
- [Distributor Inventory](#)
- [Product Cross Reference](#)
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**Keep Me Informed**





- 1 MATERIAL-HOUSING: PBT, UL94V-0 RATED, COLOR- BLACK  
CONTACTS: COPPER ALLOY PER ASTM B103
- 2 AMP TRADEMARK (EITHER SIDE).
- 3 0.00076[.000030] MIN. GOLD IN CONTACT AREA, 0.00127-0.00254[.000050-.000100] TIN-LEAD IN AREA E, ALL OVER 0.00127[.000050] MIN. NICKEL.
- 4 0.00076[.000030] MIN. GOLD IN CONTACT AREA, 0.00127 - 0.00254 [.000050 - .000100] TIN IN AREA E, ALL OVER 0.00127[.000050] MIN. NICKEL.
- 5. USE WITH 22-26 AWG WIRE SIZE, 1.27[.050] MAX INSULATION DIA., 0.381[.015] MAX INSULATION WALL THICKNESS.
- 6 CONTACT IDENTIFICATION NUMBER "2" LOCATED IN THIS AREA.
- 7 MOLDED CIRCUIT #1 IDENTIFIER IN LOCATION SHOWN.
- 8 OBSOLETE PART NUMBER.
- 9 OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI

81.28 [3.200]	31	64	4	8-102398-0	
76.20 [3.000]	29	60	4	7-102398-8	
68.58 [2.700]	26	54	4	7-102398-5	OBSOLETE 9
63.50 [2.500]	24	50	4	7-102398-3	
50.80 [2.000]	19	40	4	6-102398-8	
43.18 [1.700]	16	34	4	6-102398-5	
40.64 [1.600]	15	32	4	6-102398-4	OBSOLETE 9
38.10 [1.500]	14	30	4	6-102398-3	
35.56 [1.400]	13	28	4	6-102398-2	
33.02 [1.300]	12	26	4	6-102398-1	
30.48 [1.200]	11	24	4	6-102398-0	
27.94 [1.100]	10	22	4	5-102398-9	OBSOLETE 9
25.40 [1.000]	9	20	4	5-102398-8	
22.86 [.900]	8	18	4	5-102398-7	
20.32 [.800]	7	16	4	5-102398-6	
17.78 [.700]	6	14	4	5-102398-5	
15.24 [.600]	5	12	4	5-102398-4	
12.70 [.500]	4	10	4	5-102398-3	
10.16 [.400]	3	8	4	5-102398-2	
7.62 [.300]	2	6	4	5-102398-1	
B	A	NO OF POSN	FINISH	PART NO.	

	5.08 [.200]	1	4	3	8	3-102398-5
SUPERSEDED BY 1-102398-8	91.44 [3.600]	35	72	3		3-102398-4
SUPERSEDED BY 1-102398-3,-8	88.90 [3.500]	34	70	3		3-102398-3
SUPERSEDED BY 1-102398-5	86.36 [3.400]	33	68	3		3-102398-2
SUPERSEDED BY 1-102398-5	83.82 [3.300]	32	66	3		3-102398-1
	81.28 [3.200]	31	64	3		3-102398-0
SUPERSEDED BY 1-102398-3	78.74 [3.100]	30	62	3		2-102398-9
	76.20 [3.000]	29	60	3		2-102398-8
SUPERSEDED BY 1-102398-2,-3	73.66 [2.900]	28	58	3		2-102398-7
SUPERSEDED BY 1-102398-2	71.12 [2.800]	27	56	3		2-102398-6
9	68.58 [2.700]	26	54	3		2-102398-5
SUPERSEDED BY 1-102398-1	66.04 [2.600]	25	52	3		2-102398-4
	63.50 [2.500]	24	50	3		2-102398-3
SUPERSEDED BY 1-102398-0	60.96 [2.400]	23	48	3		2-102398-2
SUPERSEDED BY 1-102398-0	58.42 [2.300]	22	46	3		2-102398-1
SUPERSEDED 102398-8	55.88 [2.200]	21	44	3		2-102398-0
	53.34 [2.100]	20	42	3		1-102398-9
	50.80 [2.000]	19	40	3		1-102398-8
SUPERSEDED BY 102398-8,-7	48.26 [1.900]	18	38	3		1-102398-7
SUPERSEDED BY 102398-5,-7	45.72 [1.800]	17	36	3		1-102398-6
	43.18 [1.700]	16	34	3		1-102398-5
9	40.64 [1.600]	15	32	3		1-102398-4
	38.10 [1.500]	14	30	3		1-102398-3
	35.56 [1.400]	13	28	3		1-102398-2
	33.02 [1.300]	12	26	3		1-102398-1
	30.48 [1.200]	11	24	3		1-102398-0
9	27.94 [1.100]	10	22	3		1-102398-9
	25.40 [1.000]	9	20	3		102398-8
	22.86 [.900]	8	18	3		102398-7
	20.32 [.800]	7	16	3		102398-6
	17.78 [.700]	6	14	3		102398-5
	15.24 [.600]	5	12	3		102398-4
	12.70 [.500]	4	10	3		102398-3
	10.16 [.400]	3	8	3		102398-2
	7.62 [.300]	2	6	3		102398-1
	B	A	NO OF POSN	FINISH		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 ± -	DIN R BROWN 07MAY03 CHK J MOSIER 07MAY03 APVD J MOSIER 07MAY03	NAME
MATERIAL	FINISH SEE TABLE	WEIGHT	SIZE
1			A1 00779

STE TE Connectivity

AMPMODU MT, RECEPTACLE ASSEMBLY  
STANDARD-PRESSURE CONTACTS  
FOR 22-26 AWG WIRE SIZE

114-25032  
108-25015  
114-25032

SCALE 4:1 SHEET 1 OF 1 REV U2