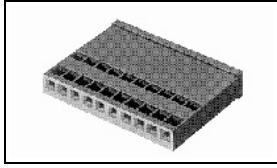# 87175-2 Product Details

87175-2

TE Internal Number: 87175-2

✔ Active

.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

Documentation & Additional Information

Product Drawings:
- HOUSING-LOCKING CLIP .025 SQ. POST, .100 CENTERS (CL... (PDF, English)

Catalog Pages/Data Sheets:
- AMPMODU_INTERCONNECTION_SYSTEM_SECTION5_CONT (PDF, English)

Product Specifications:
- Connector, Locking Clip, .025 Square (PDF, English)
- Connector, Locking Clip, .025 Inch Square, Tin (PDF, English)
- .031 X .061 Locking Clip Connector (PDF, English)

Application Specifications:
- Locking Clip 0.64-mm (.025-in.) Square Contacts and ... (PDF, English)

Instruction Sheets:
- AMPMODU Locking Clip Contacts and Housings for 0.64m... (PDF, English)

CAD Files: (CAD Format & Compression Information)
- 2D Drawing (DXF, Version U)
- 3D Model (IGES, Version U)
- 3D Model (STEP, Version U)

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 = Crimp
- Mating Connector Lock = Without
- Connector Series = Locking Clip
- Keyed = No
- Stamped = No

Electrical Characteristics:
- Contact - Rated Current (A) = 3
- Voltage Rating (VAC) = 250
- Termination Resistance (mΩ) = 12
- Insulation Resistance (MΩ) = 5,000
- Dielectric Withstanding Voltage (V) = 750

Body Features:
- Row-to-Row Spacing (mm [in]) = 2.54 [0.100]

Contact Features:
- Contact Type = Socket

Housing Features:
- Connector Style = Receptacle
- Centerline (mm [in]) = 2.54 [0.100]
- Mating Alignment = Without
- Housing Color = Black
- UL Flammability Rating = UL 94V-0
- Housing Material = Polyester

Configuration Features:
- Number of Positions = 1
- Number of Rows = 1
- Housing Configuration = Both Ends Closed

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
- Approved Standards = CSA LR7189, UL E28476

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

Other:
- Brand = AMP

DRAWING MADE IN THIRD ANGLE PROJECTION

REVISED PER ECO-11-005140 30MAR11 HMR

LOC	DIST			REVISIONS		
AD	39	P	F			
				ZONE	LTR	DESCRIPTION	DATE	APPD
					U2	REVISED PER ECO-11-005140	30MAR11	HMR

PRODUCT INSTRUCTION

PULL ON HOUSING TO REMOVE FROM POSTS.
DO NOT CONFINE THE CONDUCTORS OR PULL ON THE
CONDUCTORS DURING REMOVAL ACTION.

AMP

.060
.700
.350 / .273 POST LENGTH
.145
.025 SQ. POST
(SHOWN FOR REF ONLY)
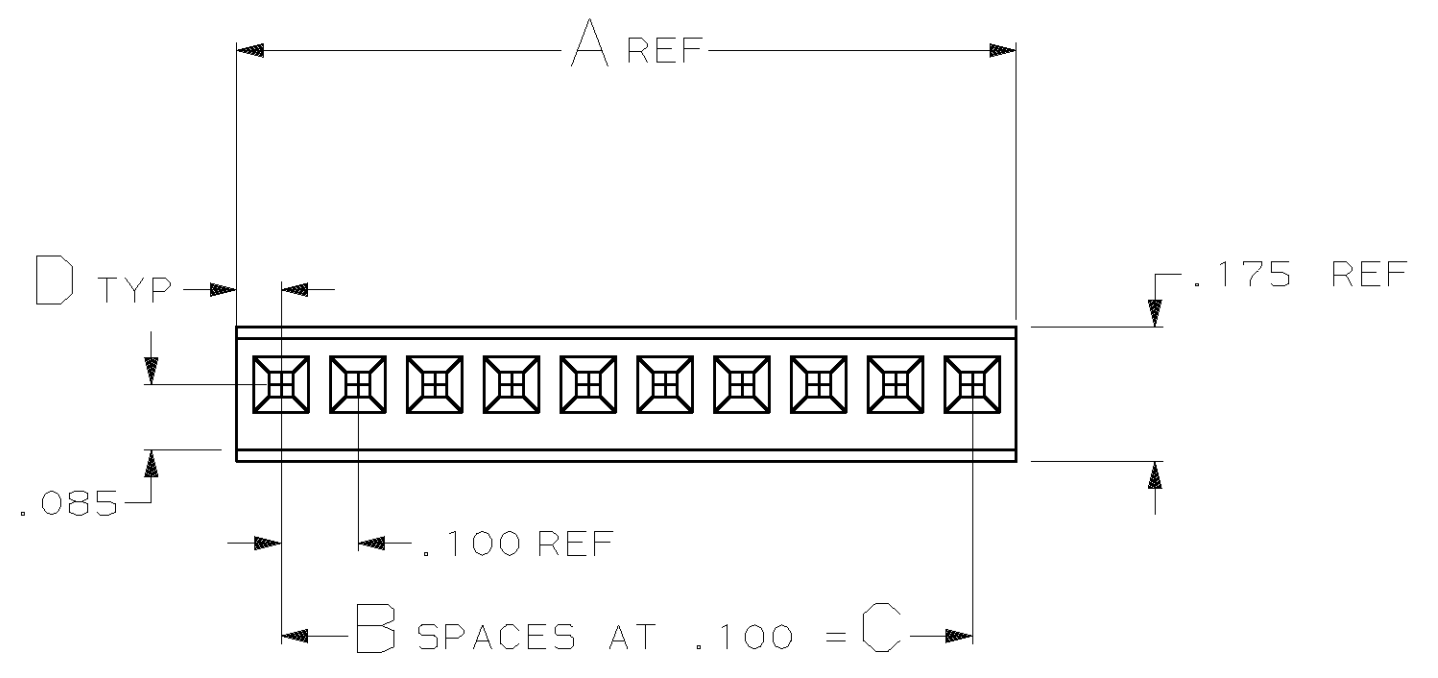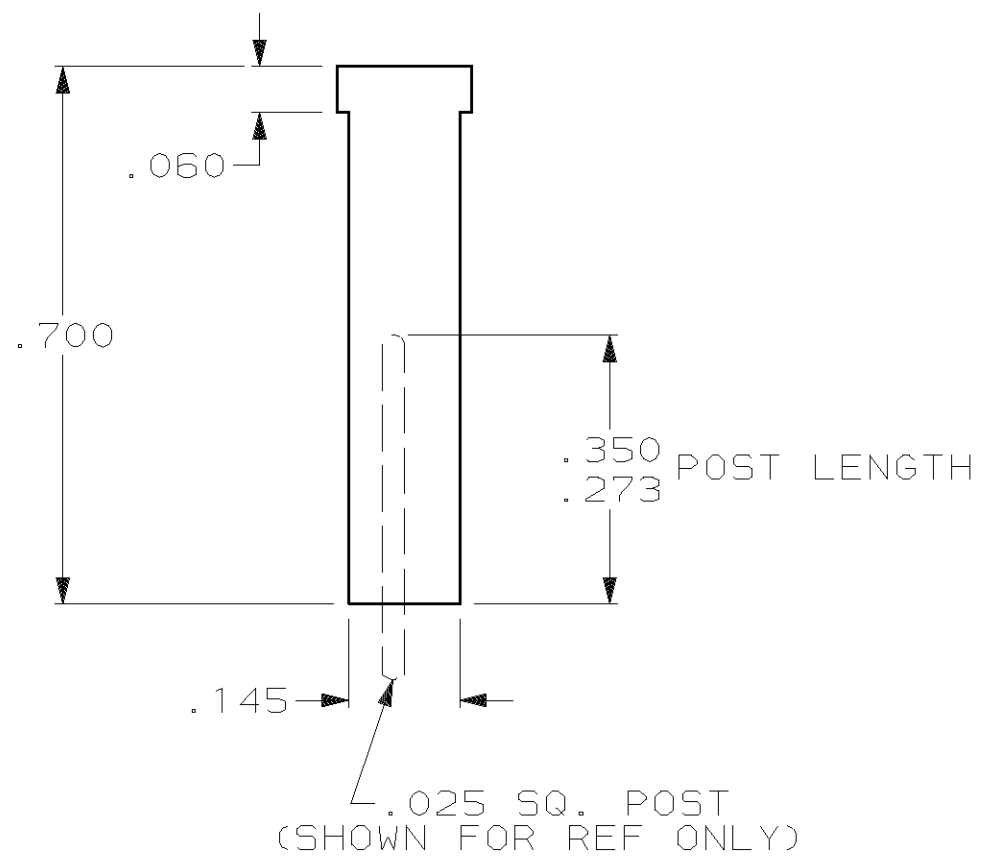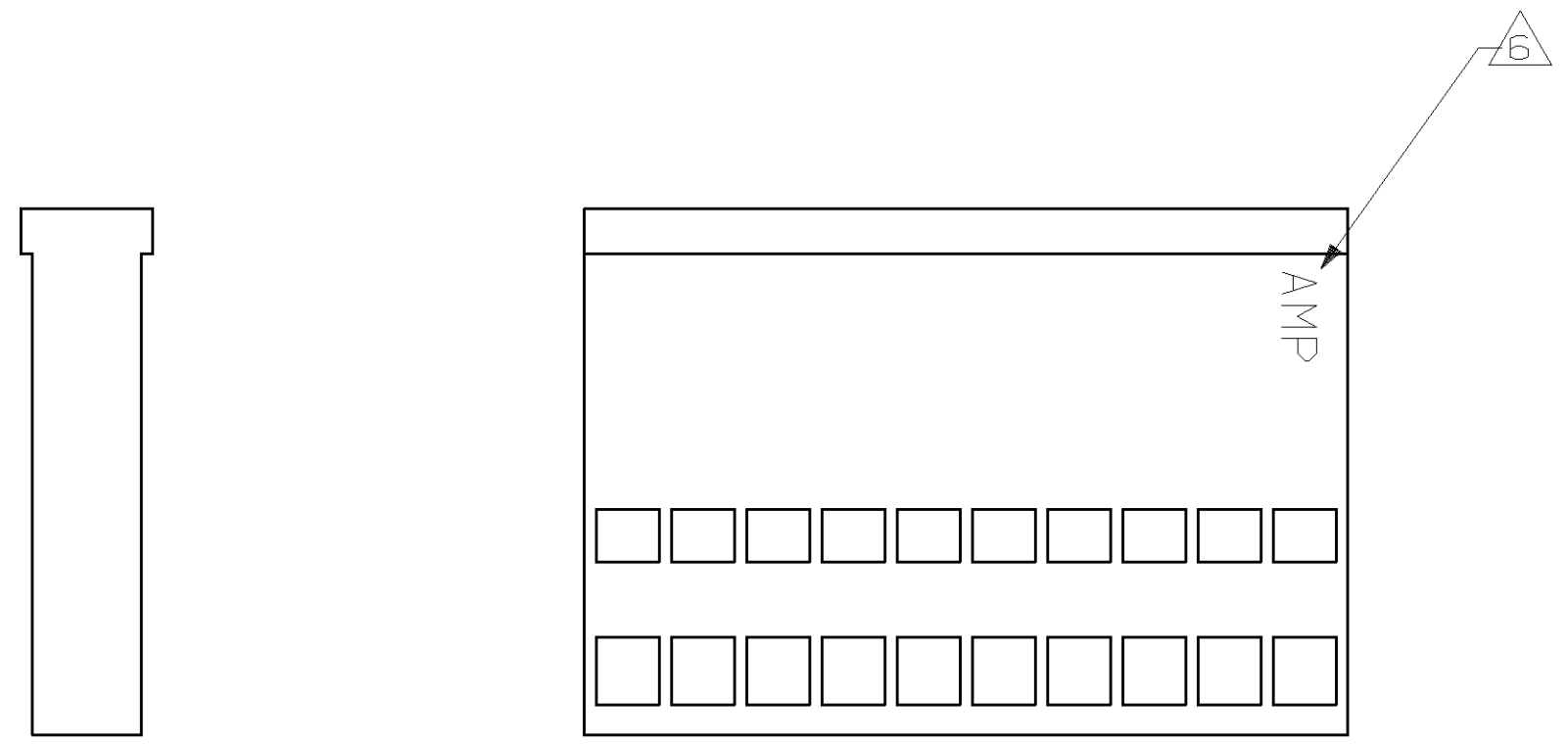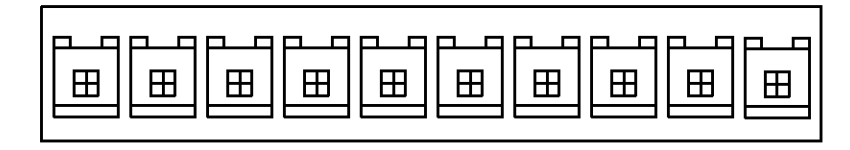
1. HOUSING ACCEPTS LOCKING CLIP CONTACT PART NO.S 87124, 87165,87190,87191,& MATES WITH .025 SQ. POSTS.

2. HOUSING: GLASS FILLED NYLON.

3. HOUSING: GLASS FILLED POLYESTER.

4. CORE PIN SUPPORT HOLES ARE OPTIONAL, AND MAY BE ROUND OR SQUARE OR MAY NOT BE PRESENT AT ALL.

5. MARKED (WHITE) AS SHOWN, THIS SIDE ONLY, WITH .06 HIGH CHARACTERS APPROX. IN CENTER OF HOUSING. "PULL HERE" AND PART NO. TO APPEAR ON HOUSINGS 6 POSITION AND LARGER.

6. RAISED AMP LOGO MOLDED IN HOUSING.

7. TEXTURED AMP LOGO MOLDED IN HOUSING. LOGO MAY APPEAR ON EITHER END OF HOUSING.

8. OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI

A REF
D TYP
.175 REF
.085
.100 REF
B SPACES AT .100 = C

SEE DETAIL Z

PULL HERE PART NO.

AMP

DETAIL Z
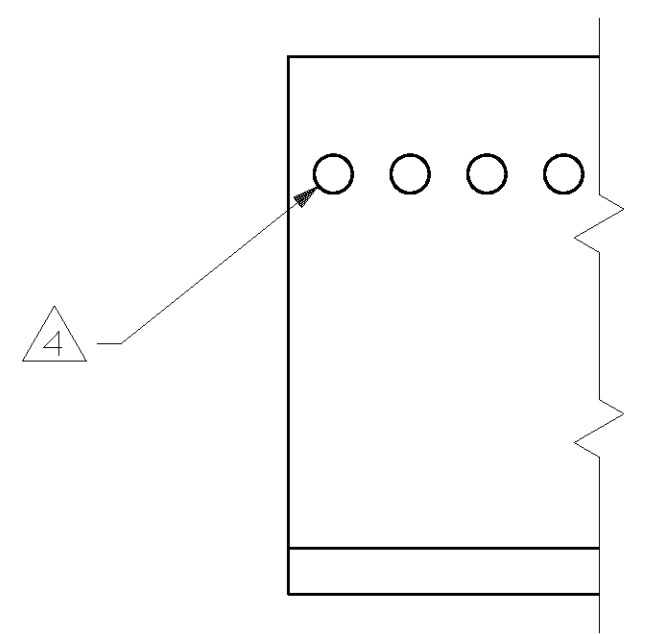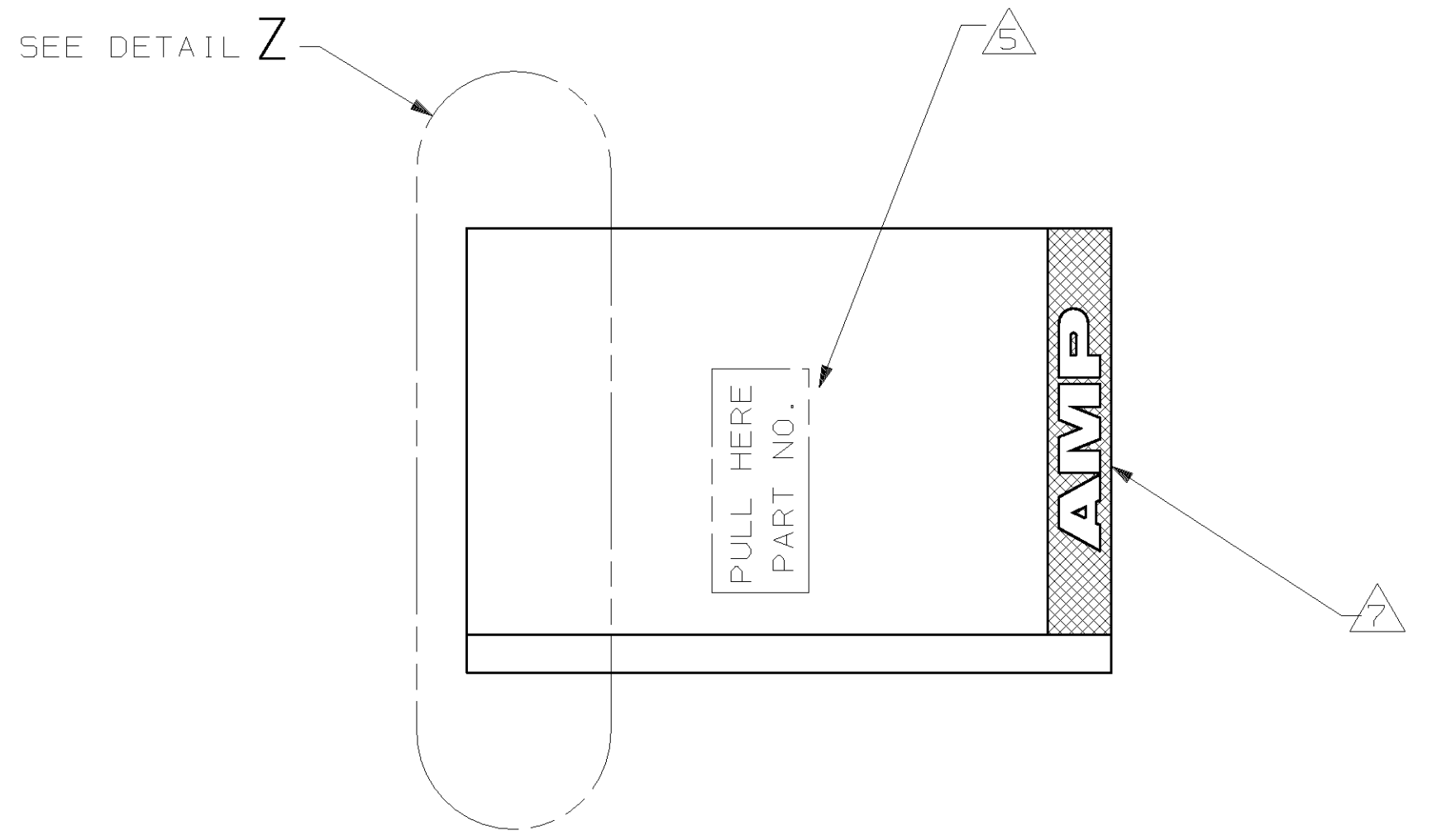
		NOTES	MAT'L	COLOR	D	C	B	A	POS	PART NUMBER (AS MOLDED)	PART NUMBER (STAMPED)
OBSOLETE 8	6	2		BROWN	.058	.300	3	.416	4	6-87175-3	
SUPERSEDED BY 87175-2	7	3		YELLOW	.054	0	0	.108	1	3-87175-4	
SUPERSEDED BY 87175-2	7	3		ORANGE	.054	0	0	.108	1	3-87175-3	
SUPERSEDED BY 87175-2	7	3		RED	.054	0	0	.108	1	3-87175-2	
	6			BROWN	.054	0	0	.108	1	–	
OBSOLETE 8	6	3		BLACK	.058	1.300	13	1.416	14	3-87175-0	2-87175-9
	6	3		BLACK	.058	1.200	12	1.316	13	2-87175-8	2-87175-7
	6	3		BLACK	.058	1.100	11	1.216	12	2-87175-6	2-87175-5
	6	3		BLACK	.058	1.000	10	1.116	11	2-87175-4	2-87175-3
	6	3		BLACK	.058	.900	9	1.016	10	2-87175-2	2-87175-1
	6	3		BLACK	.058	.800	8	.916	9	2-87175-0	1-87175-9
	6	3		BLACK	.058	.700	7	.816	8	1-87175-8	1-87175-7
	6	3		BLACK	.058	.600	6	.716	7	1-87175-6	1-87175-5
	7	3		BLACK	.058	.500	5	.616	6	1-87175-4	1-87175-3
	7	3		BLACK	.058	.400	4	.516	5	1-87175-2	
	7	3		BLACK	.058	.300	3	.416	4	1-87175-0	
	7	3		BLACK	.058	.200	2	.316	3	87175-8	
	7	3		BLACK	.058	.100	1	.216	2	87175-6	
	6	3		BLACK	.058	1.400	14	1.516	15	87175-4	87175-3
	7	3		BLACK	.054	0	0	.108	1	87175-2	

PART NO

TE Connectivity

NAME

HOUSING-LOCKING CLIP .025
SQ. POST, .100 CENTERS (CLOSE END)
SINGLE ROW

SIZE	FSCM NO	DRAWING NO
D	00779	87175

SCALE 4:1 | SHEET 1 OF 1

CUSTOMER DRAWING