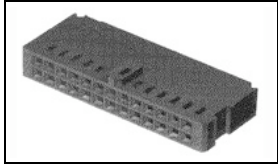# 102387-9 Product Details

102387-9

TE Internal Number: 102387-9

✔ 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, CRIMP SNAP-IN, SHORT ENTRY, MOD IV (PDF, English)

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

Product Specifications:
- AMPMODU Mod 1/2 Wire to Board Standard Pressure Cont... (PDF, English)

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)

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
- Strain Relief = Without
- Connector Series = Mod IV
- Keyed = No
- Stamped = No
- Flame Retardant = Yes

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 = With
- Mating Alignment Type = Center
- Housing Color = Black
- UL Flammability Rating = UL 94V-0
- Housing Material = Thermoplastic - GF

Configuration Features:
- Number of Positions = 40
- Number of Rows = 2
- 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
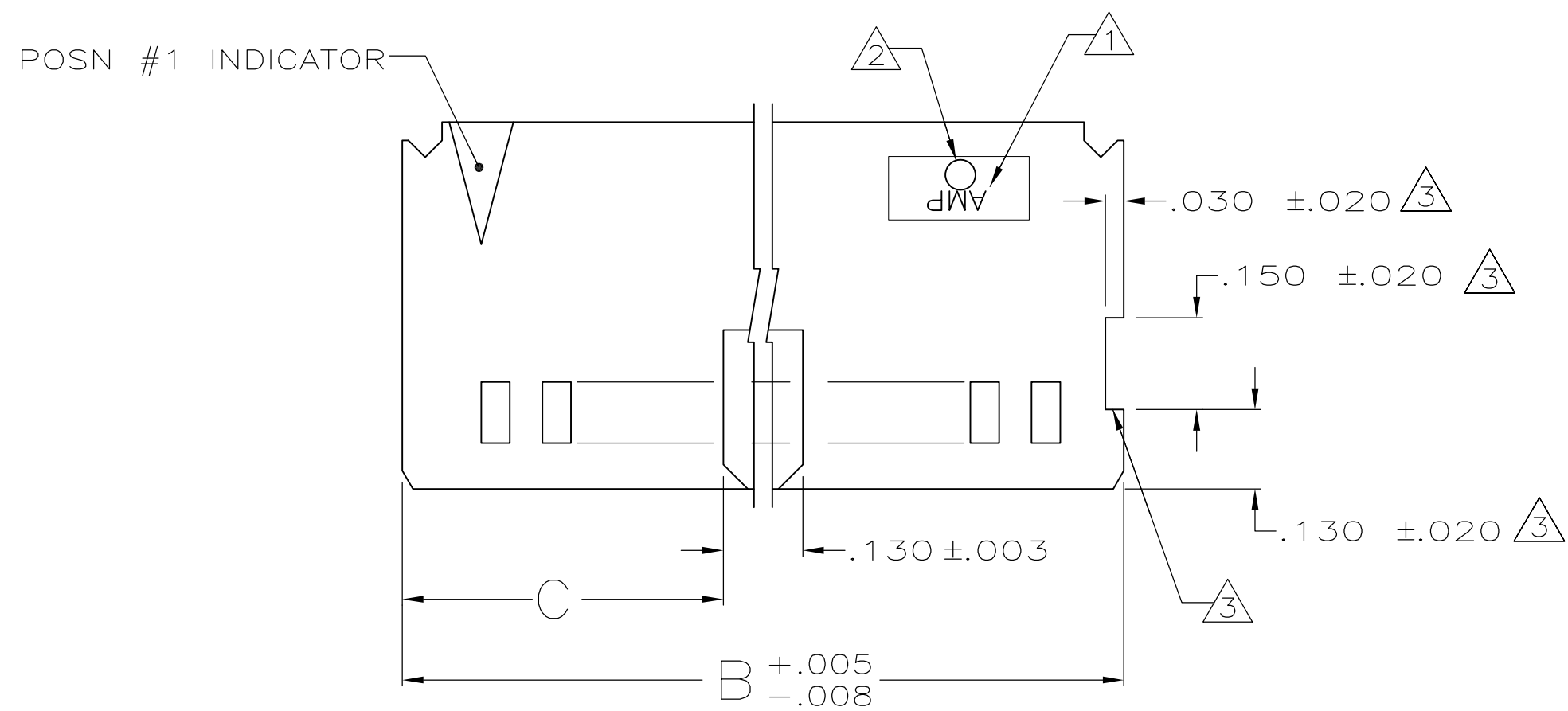- Approved Standards = UL E28476, CSA LR7189

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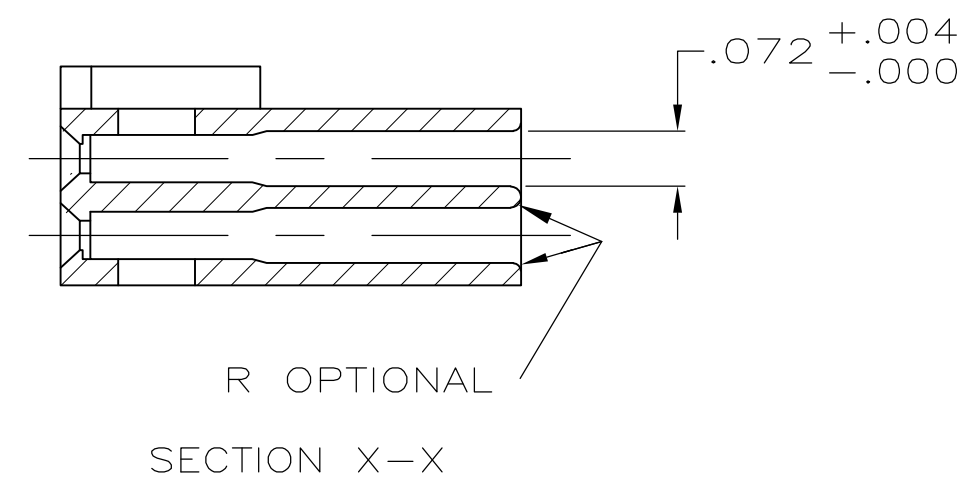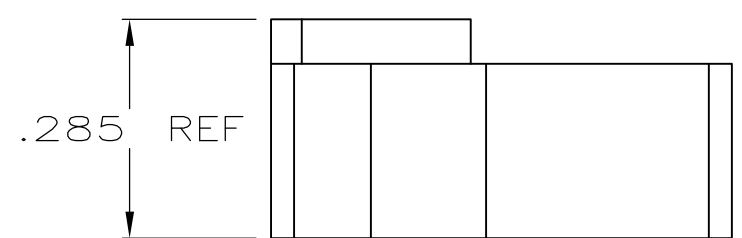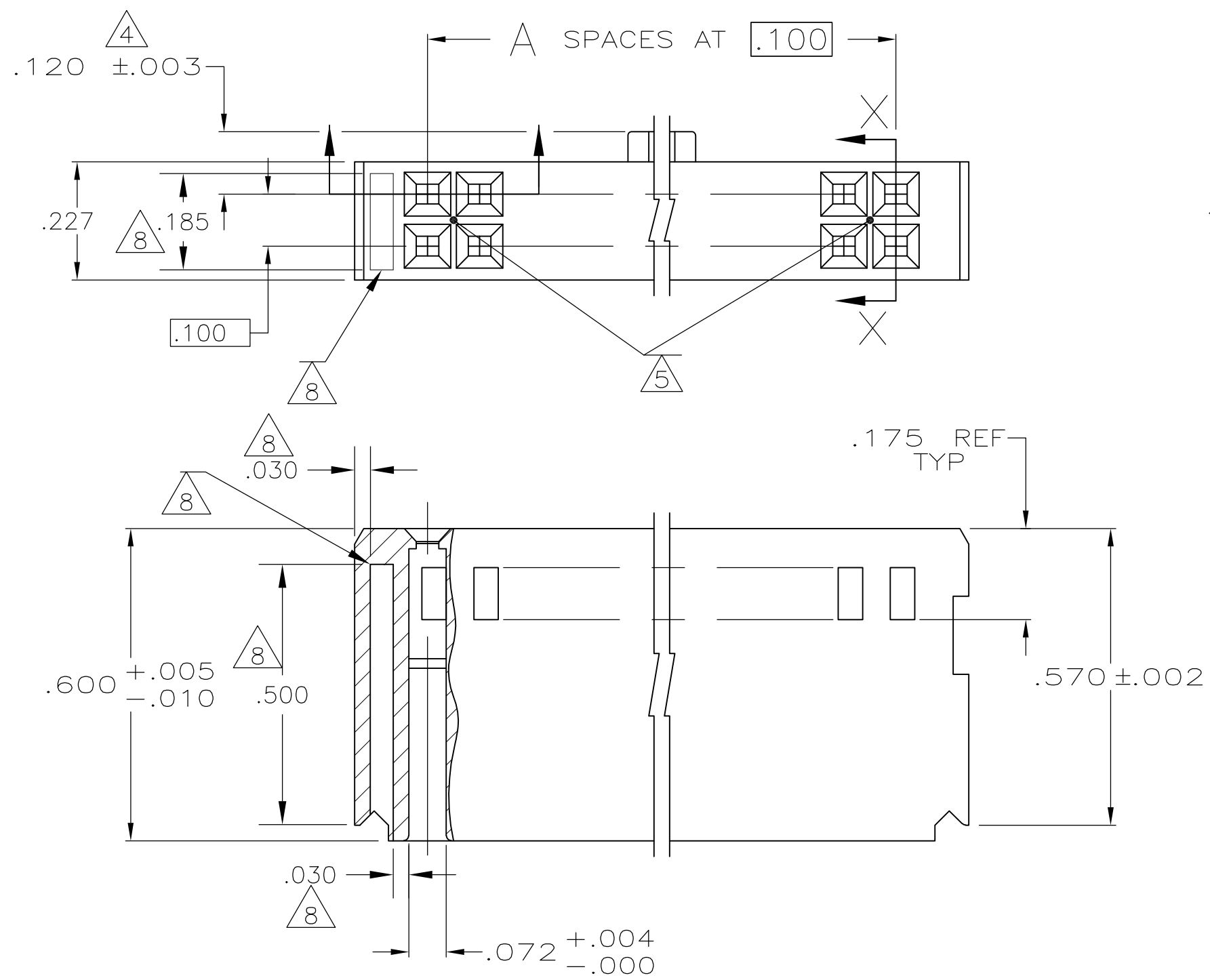- Operating Temperature (°C) = -65 – +105

Other:
- Brand = AMP
- Comment = No marking on this part number.; Contact Extraction/Lance Reset Tool No. 843996-3.; When using this housing with AMP-LATCH Universal Headers, P/N 1825851-1 (Qty 2) must be purchased separately.

LOC	DIST	REVISIONS					
AD	39	P	LTR	DESCRIPTION	DATE	DWN	APVD
			S2	REVISED PER ECO-11-010839	25MAY11	RK	HMR

POSN #1 INDICATOR

AMP

.030 ±.020 /3\

.150 ±.020 /3\

.130 ±.003

.130 ±.020 /3\

B +.005 / −.008

C

/1\ AMP TRADEMARK (MOLDED IN) .062±.015 HIGH CHARACTERS
LOCATED APPROX AS SHOWN

/2\ MOLD CAVITY IDENT (MOLDED IN) .046±.015 HIGH CHARACTERS
LOCATED APPROX AS SHOWN

/3\ RECESSED AREA AROUND MOLD GATE IS OPTIONAL. THIS FEATURE IS
ALLOWABLE ON EITHER SIDE OF HOUSING OR MAY NOT BE PRESENT AT ALL.

/4\ COORDINATE DIMENSION APPLIES FROM CENTER
OF FIRST ACTUAL FEATURE

/5\ RECESSED AREA AROUND GATE PERMISSIBLE. THIS FEATURE IS
ALONG CENTERLINE OF MATING FACE.

6. WHEN MATING WITH AMP-LATCH UNIVERSAL HEADERS, P/N 1825851-1 MUST BE
USED. PURCHASE SEPARATELY WITH HEADER— 2 REQUIRED.

/7\ OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI

/8\ VOID CORING IS OPTIONAL, AT MOLDER'S DISCRETION.

/4\ .120 ±.003

A SPACES AT .100

.227 /8\ .185

.100

.285 REF

.030 /8\

.175 REF TYP

.600 +.005 / −.010 .500

.570 ±.002

.072 +.004 / −.000

R OPTIONAL

SECTION X-X

.030 /8\

.072 +.004 / −.000

/7\ OBSOLETE	C	B	A	NO. OF POSN	PART NO.
	.575	1.280	10	22	1-102387-5
	.225	.580	3	8	1-102387-4
	1.125	2.380	21	44	1-102387-3
	1.625	3.380	31	64	1-102387-2
	1.525	3.180	29	60	1-102387-1
	1.275	2.680	24	50	1-102387-0
	1.025	2.180	19	40	102387-9
	.875	1.880	16	34	102387-8
	.775	1.680	14	30	102387-7
	.675	1.480	12	26	102387-6
	.625	1.380	11	24	102387-5
	.525	1.180	9	20	102387-4
	.425	.980	7	16	102387-3
	.375	.880	6	14	102387-2
	.275	.680	4	10	102387-1

102387

DWN B MOYER	5-17-89
CHK K. HELM	6-13-89
APVD —	—

≡TE   TE Connectivity

DIMENSIONS: INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± —
1 PLC ± —
2 PLC ± —
3 PLC ± .005
4 PLC ± —
ANGLES ± —

PRODUCT SPEC —

APPLICATION SPEC —

NAME
HOUSING, CRIMP SNAP-IN,
SHORT ENTRY, MOD IV
—

MATERIAL
FLAME RETARDANT THERMOPLASTIC
COLOR: BLACK PER ASTM D4066

FINISH —

WEIGHT —

| SIZE A2 | CAGE CODE 00779 | DRAWING NO C-102387 | RESTRICTED TO — |

CUSTOMER DRAWING   SCALE 4:1   SHEET 1 OF 1   REV S2