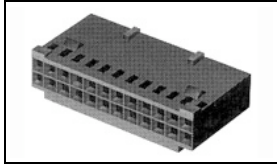


87631-8 Product Details



87631-8

TE Internal Number: 87631-8



.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:

- [CONNECTOR, MOD IV, CRIMP SNAP-IN, WITH DETENT](#) (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:

- [AMPMODU MOD IV, IV1/2, and V Receptacles and Housings](#) (PDF, English)

Instruction Sheets:

- None Available

CAD Files: (CAD Format & Compression Information)

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

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](#) = With
- [Strain Relief](#) = Without
- [Connector Series](#) = Mod IV
- [Keyed](#) = No
- Stamped = Yes
- Flame Retardant = Yes
- Mating Connector Lock Type = Detent Latching

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](#) = Latched
- [Housing Color](#) = Black
- UL Flammability Rating = UL 94V-0
- Housing Material = Nylon

Configuration Features:

- [Number of Positions](#) = 12
- [Number of Rows](#) = 2
- Number of Detents = 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 = UL E28476, CSA LR7189

Environmental:

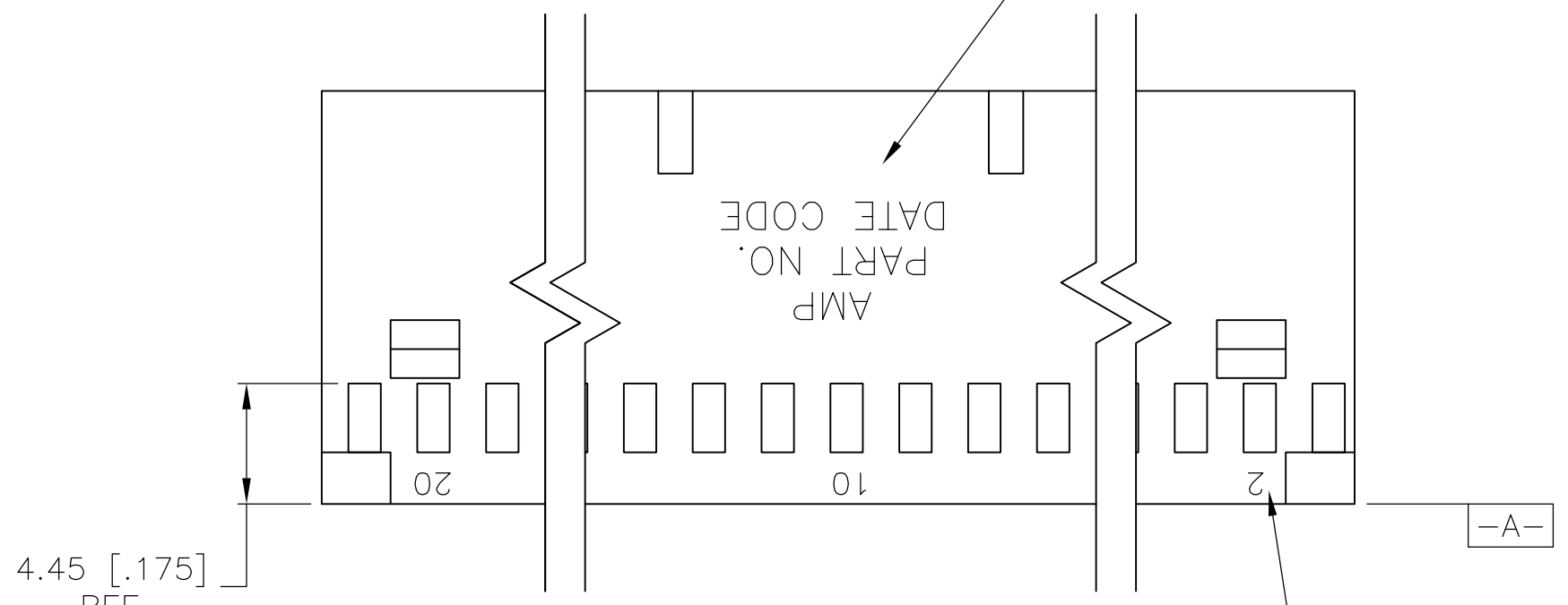
- Operating Temperature (°C) = -65 - +105

Other:

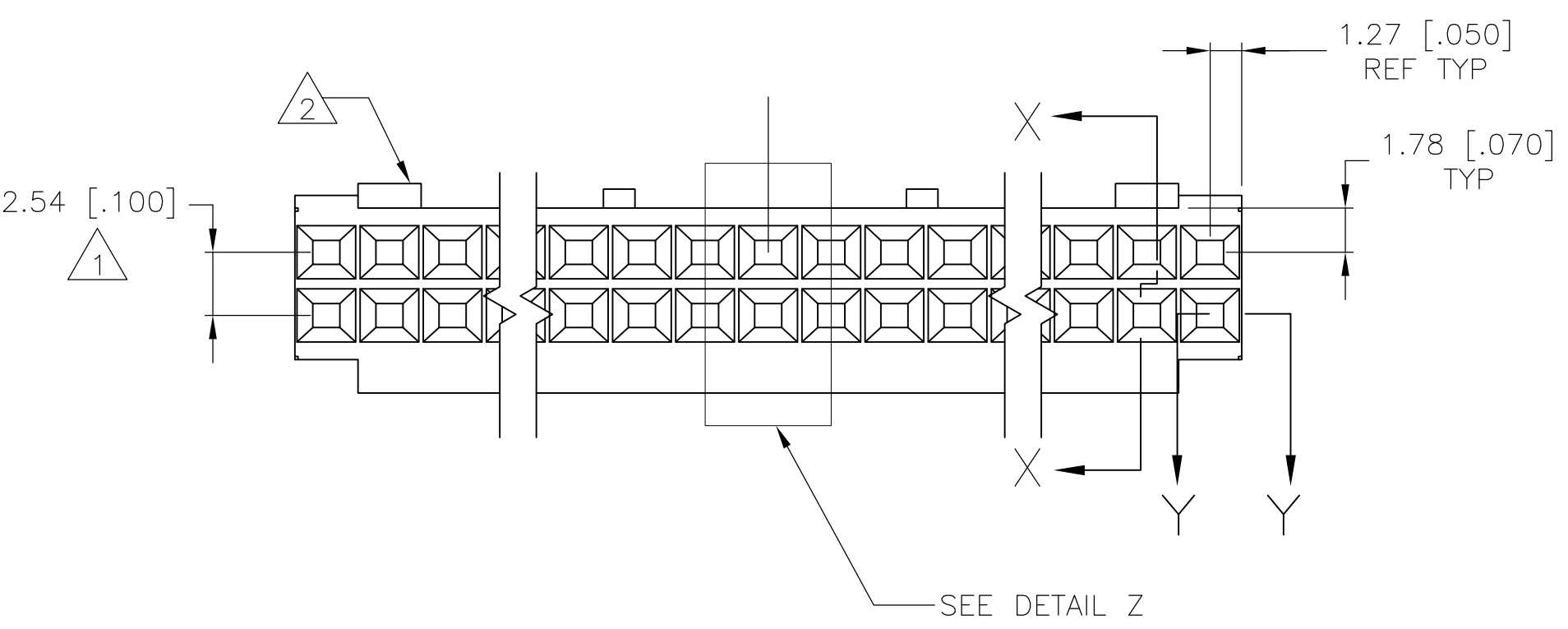
- Brand = AMP
- Comment = Strain reliefs may be purchased separately. Refer to Strain Relief Part No. 87921-1 (for 10 thru 18 positions) or Strain Relief Part No. 87710-1 (for 20 positions and larger).; Cavity identification, AMP, part number and date code stamped on housing where size permits.

LOC		DIST		REVISIONS				
AD	00	P	LTR	DESCRIPTION	DATE	DMN	APVO	
		W4	REVISED PER	ECO-13-004115	07MAR13	KH	JO	

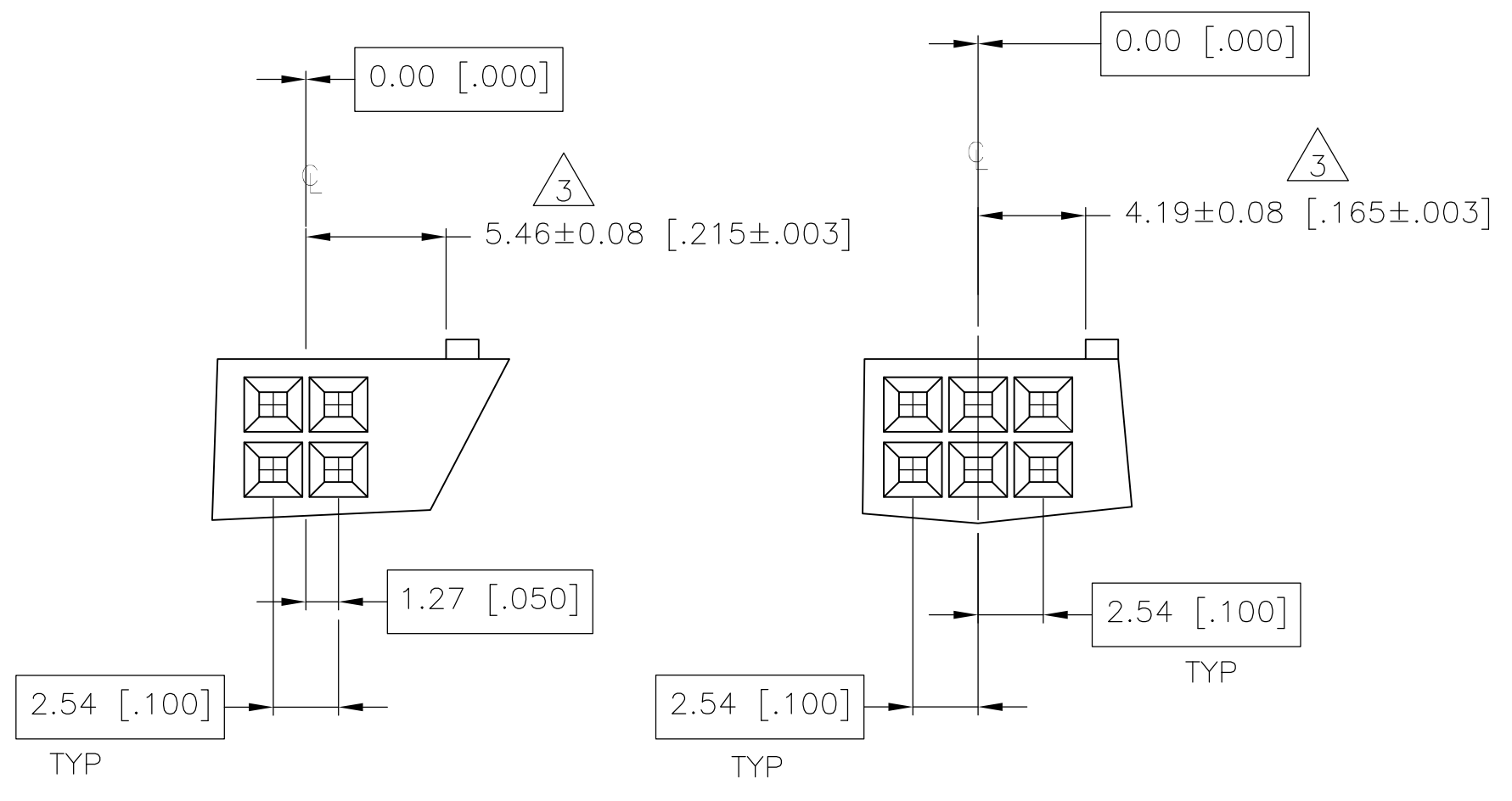
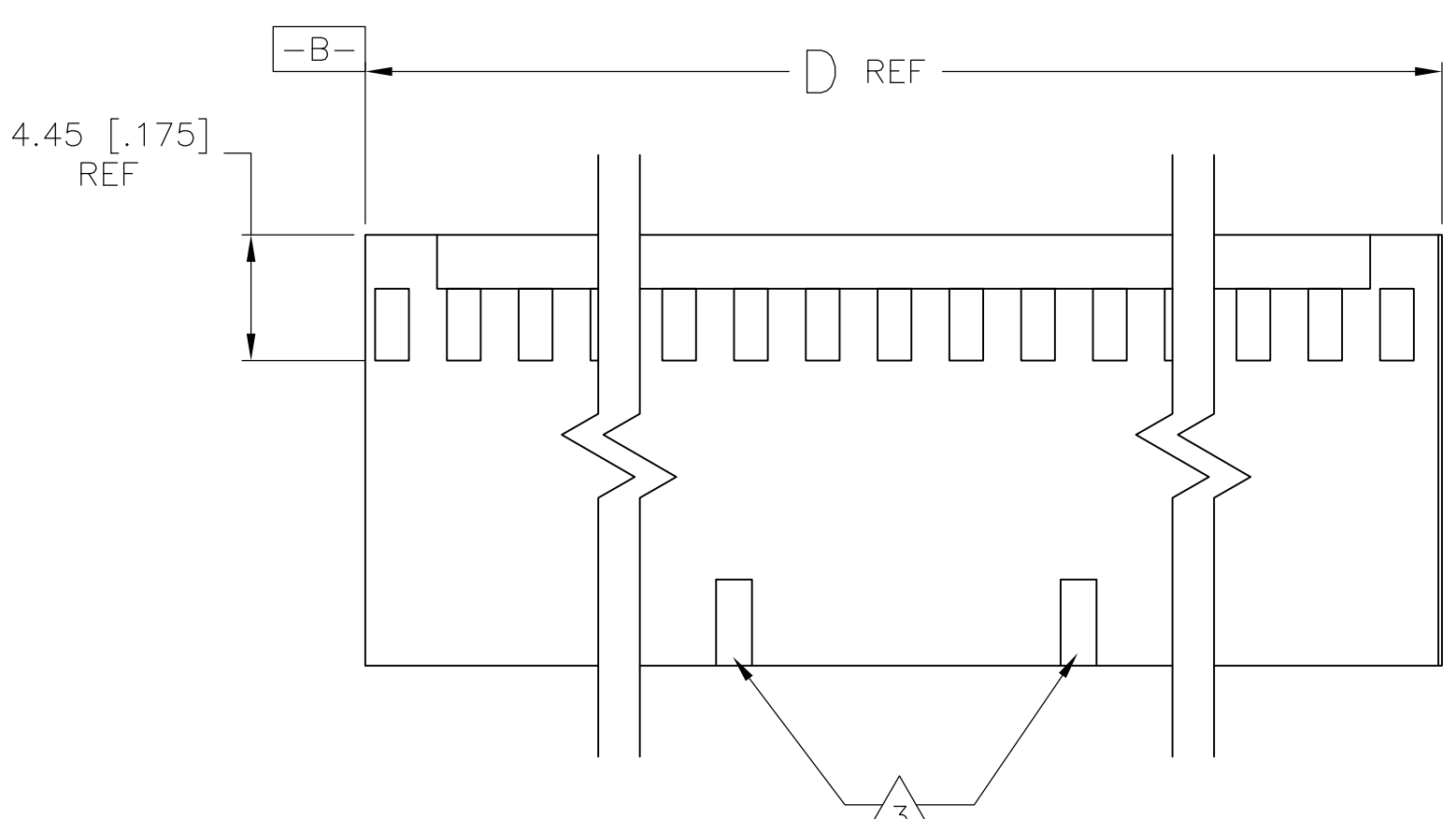
"AMP", PART NO. & DATE CODE
 MARKED (WHITE) 1.58±0.38 [.062±.015] HIGH CHARS.
 IN AREA SHOWN WHEN HOUSING SIZE PERMITS



CAVITY IDENT. MARKED (WHITE)
 1.17±0.38 [.046±.015] HIGH CHARS. SECOND AND
 EVERY FIFTH CAVITY, ONE SIDE.



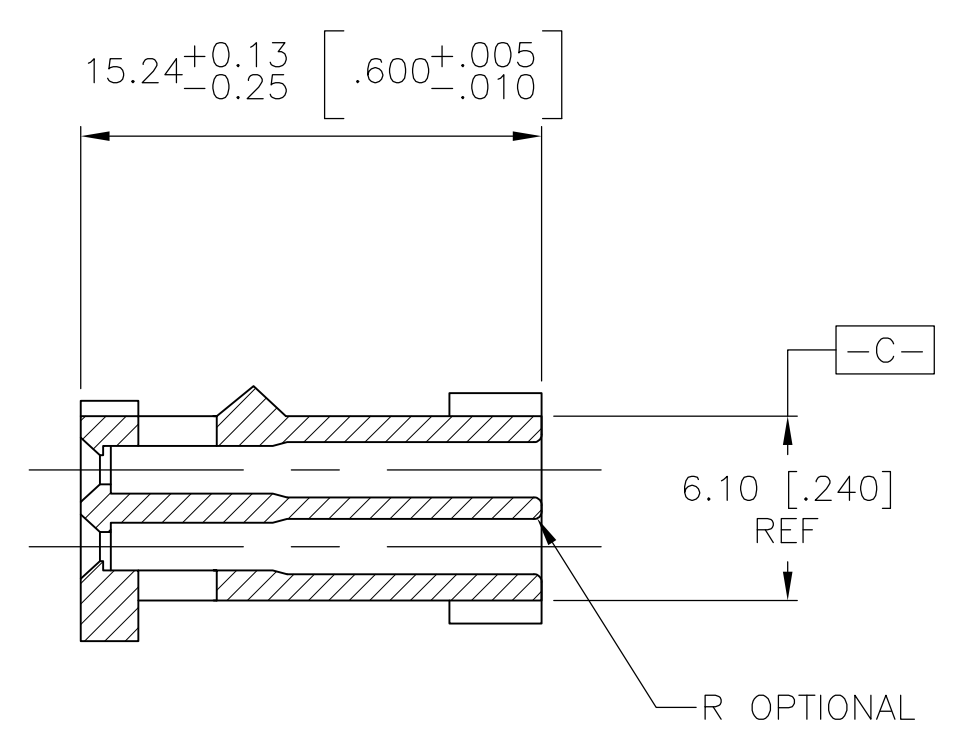
SEE DETAIL Z



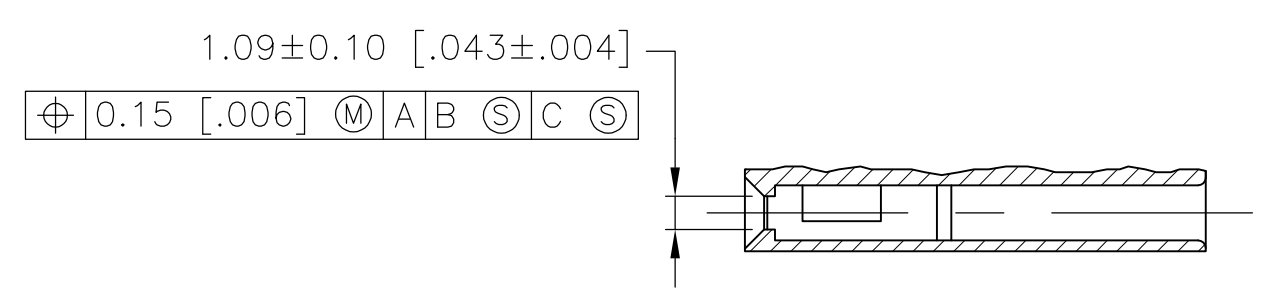
BASIC DIMENSION FOR
 ODD NUMBER OF SPACES
 (SEE THE TABLE)

BASIC DIMENSION FOR
 EVEN NUMBER OF SPACES
 (SEE THE TABLE)

DETAIL Z



SECTION X-X



SECTION Y-Y
 ROTATED 90° CLOCKWISE

- 2 SEE TABLE FOR NUMBER OF DETENTS. DETENT ON THIS SIDE FOR HOUSINGS WITH ONE DETENT.
- 3 STRAIN RELIEF LOCATORS WILL APPEAR ON 20 POSITION AND LARGER HOUSINGS.
- 4 USE EXTRACTION TOOL 91052-1 TO REMOVE RECEPTACLE CONTACTS.
- 5 THESE HOUSINGS ARE COMPATIBLE WITH ANY MOD II SHROUDED HEADER.
- 6 HOUSINGS WILL ACCOMMODATE ALL MOD IV, IV.5 AND MOD V CONTACTS.
- 7 MATERIAL: FLAME RETARDANT GLASS FILLED NYLON, COLOR: BLACK PER ASTM D4066.
- 8 OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI

MARKING	NO. OF DETENTS	D	NO. OF SPACES	NO. OF POSN	PART NUMBER	
8 OBSOLETE	ALL	2	81.28 [3.200]	31	64	6-87631-6
	NONE	2	81.28 [3.200]	31	64	6-87631-5
	ALL	2	73.66 [2.900]	28	58	6-87631-4
	NONE	2	73.66 [2.900]	28	58	6-87631-3
						6-87631-2
						6-87631-1
	ALL	2	60.96 [2.400]	23	48	6-87631-0
8 OBSOLETE	NONE	2	60.96 [2.400]	23	48	5-87631-9
8 OBSOLETE	ALL	2	88.90 [3.500]	35	72	5-87631-8
	NONE	2	88.90 [3.500]	35	72	5-87631-7
	ALL	2	88.90 [3.500]	34	70	5-87631-6
	NONE	2	88.90 [3.500]	34	70	5-87631-5
	ALL	2	83.82 [3.300]	32	66	5-87631-4
8 OBSOLETE	NONE	2	83.82 [3.300]	32	66	5-87631-3
	ALL	2	76.20 [3.000]	29	60	5-87631-2
	NONE	2	76.20 [3.000]	29	60	5-87631-1
						5-87631-0
						4-87631-9
						4-87631-8
						4-87631-7
8 OBSOLETE	ALL	2	68.58 [2.700]	26	54	4-87631-6
	NONE	2	68.58 [2.700]	26	54	4-87631-5
	ALL	2	66.04 [2.600]	25	52	4-87631-4
	NONE	2	66.04 [2.600]	25	52	4-87631-3
	ALL	2	63.50 [2.500]	24	50	4-87631-2
	NONE	2	63.50 [2.500]	24	50	4-87631-1
	ALL	2	55.88 [2.200]	21	44	4-87631-0
8 OBSOLETE	NONE	2	55.88 [2.200]	21	44	3-87631-9
	ALL	2	53.34 [2.100]	20	42	3-87631-8
	NONE	2	53.34 [2.100]	20	42	3-87631-7
	ALL	2	50.80 [2.000]	19	40	3-87631-6
	NONE	2	50.80 [2.000]	19	40	3-87631-5
	ALL	2	48.26 [1.900]	18	38	3-87631-4
	NONE	2	48.26 [1.900]	18	38	3-87631-3
	ALL	2	45.72 [1.800]	17	36	3-87631-2
	NONE	2	45.72 [1.800]	17	36	3-87631-1
	ALL	2	43.18 [1.700]	16	34	3-87631-0
	NONE	2	43.18 [1.700]	16	34	2-87631-9
	ALL	2	40.64 [1.600]	15	32	2-87631-8
	NONE	2	40.64 [1.600]	15	32	2-87631-7
	ALL	2	38.10 [1.500]	14	30	2-87631-6
	NONE	2	38.10 [1.500]	14	30	2-87631-5
	ALL	2	35.56 [1.400]	13	28	2-87631-4
	NONE	2	35.56 [1.400]	13	28	2-87631-3
	ALL	2	33.02 [1.300]	12	26	2-87631-2
	NONE	2	33.02 [1.300]	12	26	2-87631-1
	ALL	2	30.48 [1.200]	11	24	2-87631-0
	NONE	2	30.48 [1.200]	11	24	1-87631-9
	ALL	2	27.94 [1.100]	10	22	1-87631-8
	NONE	2	27.94 [1.100]	10	22	1-87631-7
	ALL	2	25.40 [1.000]	9	20	1-87631-6
	NONE	2	25.40 [1.000]	9	20	1-87631-5
	ALL	1	22.86 [.900]	8	18	1-87631-4
	NONE	1	22.86 [.900]	8	18	1-87631-3
	ALL	1	20.32 [.800]	7	16	1-87631-2
	NONE	1	20.32 [.800]	7	16	1-87631-1
	ALL	1	17.78 [.700]	6	14	1-87631-0
	NONE	1	17.78 [.700]	6	14	87631-9
	ALL	1	15.24 [.600]	5	12	87631-8
	NONE	1	15.24 [.600]	5	12	87631-7
	ALL	1	12.70 [.500]	4	10	87631-6
	NONE	1	12.70 [.500]	4	10	87631-5
	ALL	1	10.16 [.400]	3	8	87631-4
	NONE	1	10.16 [.400]	3	8	87631-3
	ALL	1	7.62 [.300]	2	6	87631-2
	NONE	1	7.62 [.300]	2	6	87631-1

THIS DRAWING IS A CONTROLLED DOCUMENT. DIN E. BRANDBERG 09FEB94
 CHK: S. SHUEY 08NOV94
 APVD: D. DUPLER 08NOV94
 NAME: CONNECTOR, MOD IV, CRIMP SNAP-IN, WITH DETENT

DIMENSIONS: mm [INCHES] TOLERANCES UNLESS OTHERWISE SPECIFIED:
 0 PLC ± -
 1 PLC ± -
 2 PLC ± 0.13[.005]
 3 PLC ± -
 4 PLC ± -
 ANGLES ± -

MATERIAL: FINISH: WEIGHT: A1 00779 C=87631
 CUSTOMER DRAWING SCALE: 4:1 SHEET 1 OF 1 REV W4

STE TE Connectivity