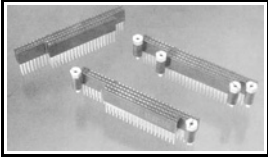


1375794-4 Product Details

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1375794-4

TE Internal Number: 1375794-4

 Active

[View 3D PDF](#)

PC/104 and PC/104 Plus

 Always EU RoHS/ELV Compliant
(Statement of Compliance)

Product Highlights:

- Connector
- 104 Positions
- 104 Loaded Positions
- Contact Configuration = Non-Stackthrough
- 2.54 mm Centerline

[View all Features](#)

Quick Links

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Documentation & Additional Information

Product Drawings:

- [ASSEMBLY, PC/104, NON-STACKTHROUGH CONTACTS, 2 STAND...](#) (PDF, English)

Catalog Pages/Data Sheets:

- [AMPMODU_INTERCONNECTION_SYSTEM_SECTION1AND2](#) (PDF, English)

Product Specifications:

- [PC/104 and PC/104-Plus Connector Systems](#) (PDF, English)

Application Specifications:

- [PC/104 and PC/104-Plus Connectors](#) (PDF, English)

Instruction Sheets:

- None Available

CAD Files: (CAD Format & Compression Information)

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

[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
- [Keyed](#) = No
- [PCB Mount Style](#) = Through Hole Press Fit
- [PCB Mount Retention Type](#) = Action/Compliant Tail
- [Board Standoff](#) = With
- [Gender](#) = Receptacle

Electrical Characteristics:

- [Signal Contact Current \(A\)](#) = 3
- [Insulation Resistance \(MΩ\)](#) = 1,000
- [Dielectric Withstanding Voltage \(V\)](#) = 500

Termination Features:

- [Termination Post Length \(mm \[in\]\)](#) = 3.02 [0.119]

Housing Features:

- [Centerline \(mm \[in\]\)](#) = 2.54 [0.100]
- [Housing Material](#) = Nylon
- [Housing Color](#) = Black
- [UL Flammability Rating](#) = UL 94V-0

Configuration Features:

- [Number of Positions](#) = 104
- [Number of Loaded Positions](#) = 104
- [Number of Standoffs](#) = 2

Industry Standards:

- [RoHS/ELV Compliance](#) = RoHS compliant, ELV compliant
- [Lead Free Solder Processes](#) = Not relevant for lead free process

Body Features:

- Screw Material = Steel
- Screw Plating = Zinc Chromate

Contact Features:

- [Contact Configuration](#) = Non-Stackthrough
- Contact Base Material = Phosphor Bronze
- Contact Plating, Mating Area, Material = Gold

- RoHS/ELV Compliance History = Always was RoHS compliant

Conditions for Usage:

- Temperature Range (°C) = -55 - +105

Other:

- Brand = AMP
- Comment = "Flat-rock" insertable; See Specific Info Link for information on a PC/104 Extraction Tool.

Corporate Information

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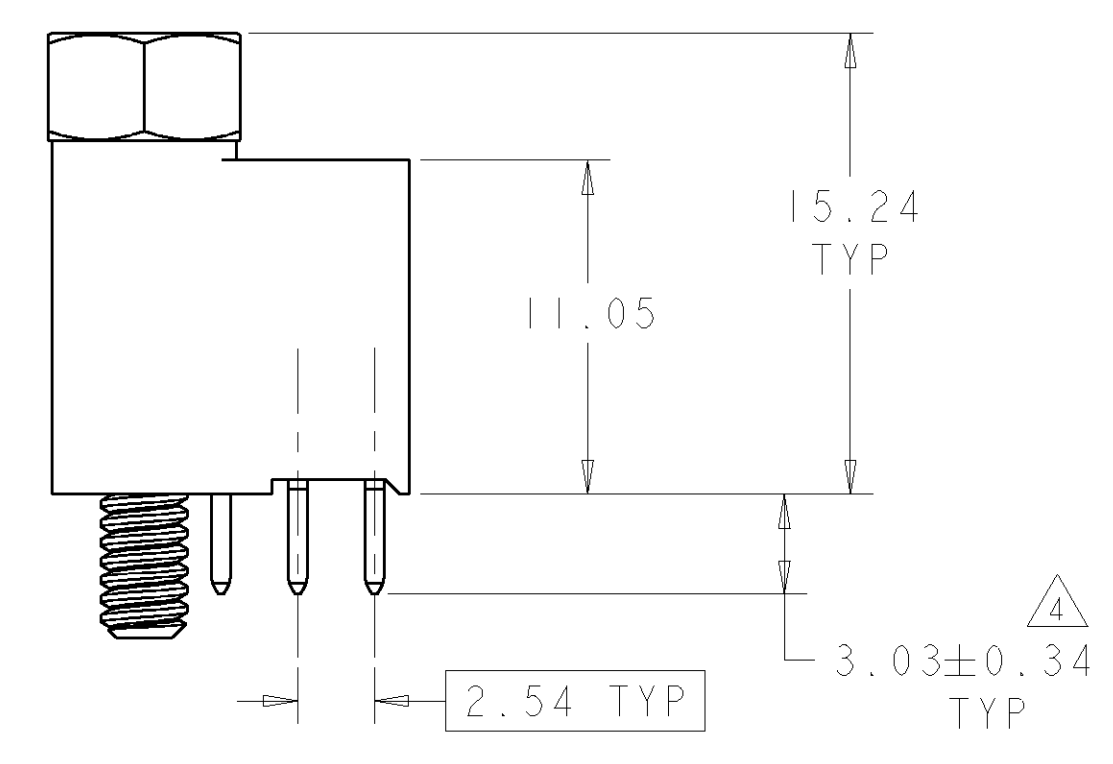
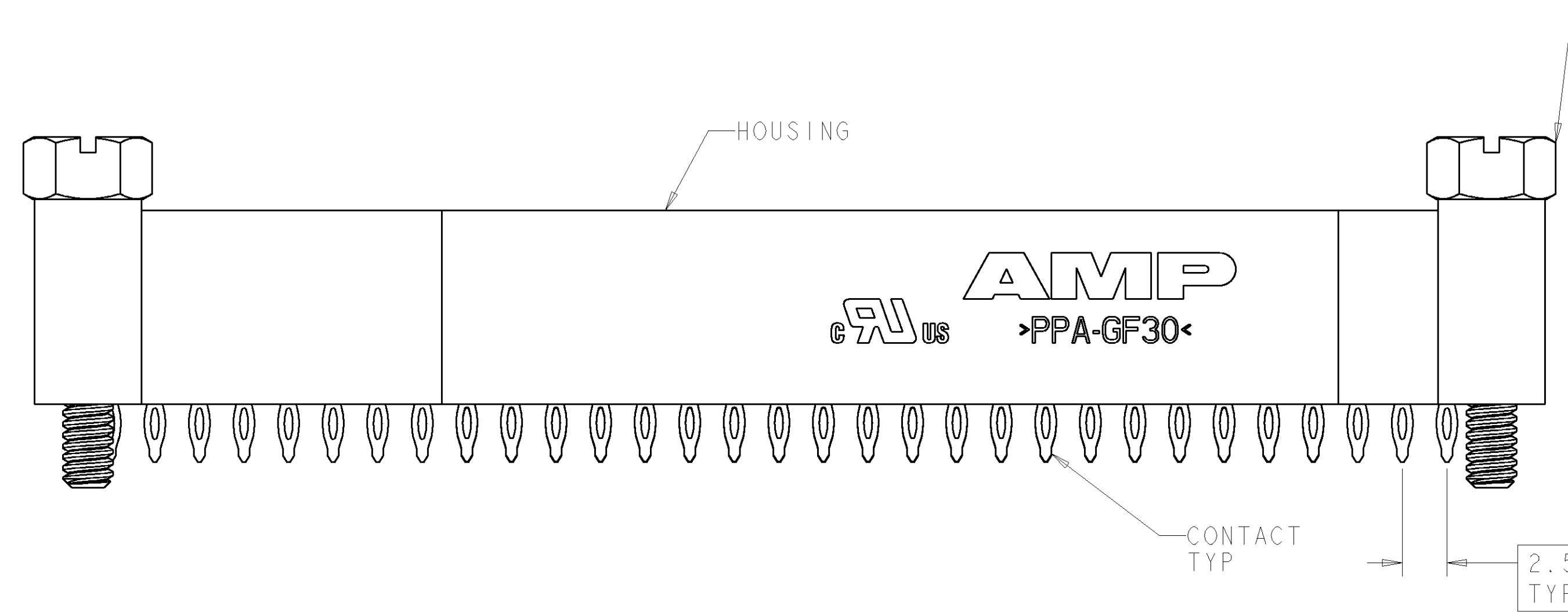
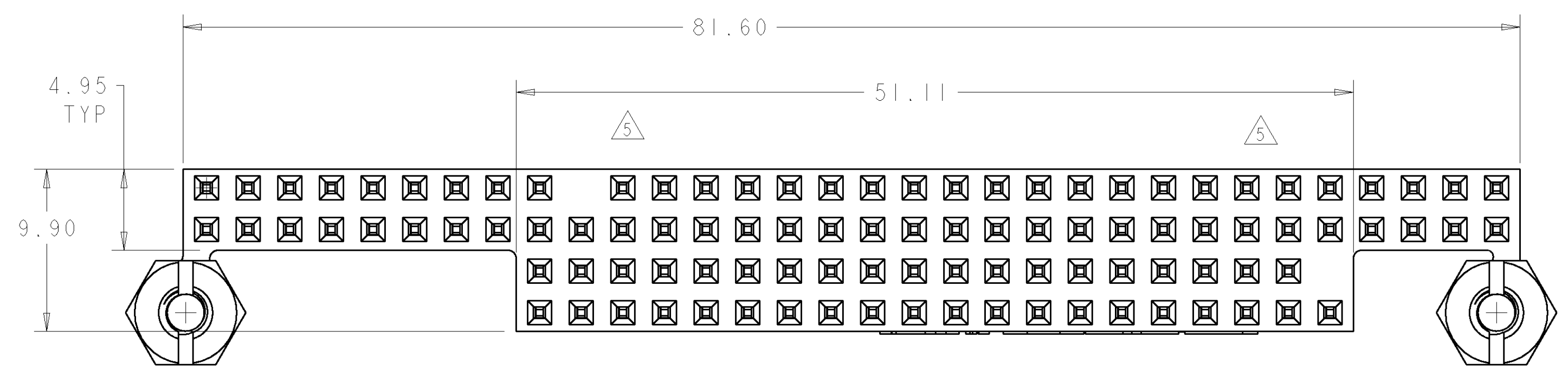
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Customer Support

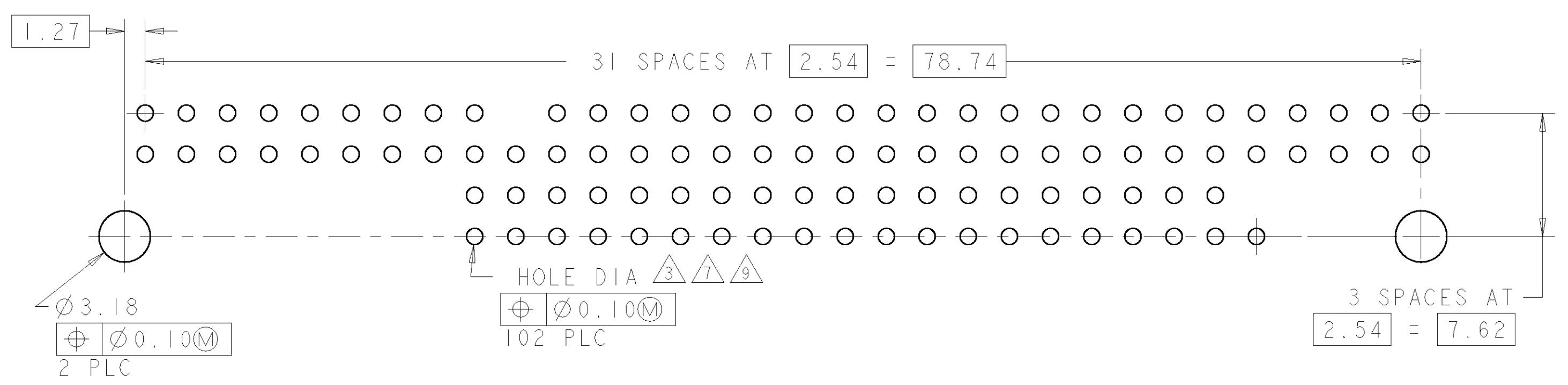
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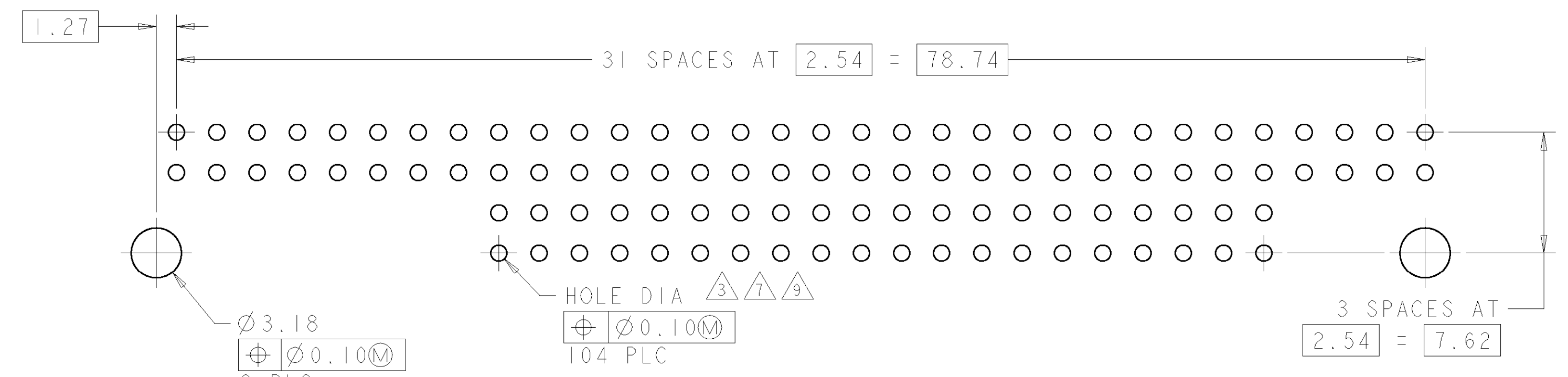
LOC	DIST	REVISIONS					
AD	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
		D		ECO-06-7871	28SEP2006	MB	JO
		E		ECO-07-006955	11APR2007	RB	JO



- △ HOUSING: HIGH TEMPERATURE, GLASS FILLED NYLON, COLOR: BLACK.
CONTACTS: PHOSPHOR BRONZE.
SCREWLOCKS: STEEL.
- △ CONTACTS: 0.00038 MIN GOLD ON MATING RECEPTACLE END, 0.00254 BRIGHT TIN-LEAD ON REMAINDER, ALL OVER 0.00127 NICKEL.
SCREWLOCKS: CLEAR CHROMATE OVER ZINC.
- △ PCB HOLE RECOMMENDATIONS:
A. DRILL HOLE DIAMETER TO BE 1.15±0.02.
B. PLATING TO BE 0.005 MIN TIN-LEAD OVER 0.025-0.075 COPPER.
C. RECOMMENDED FINISH HOLE SIZE IS 1.03±0.08.
- △ DIMENSION AFTER SEATING TO PCB.
- △ NO CONTACT IN THIS POSITION, FOR PART NUMBER 1375794-1 & -3, ONLY
- △ CONTACTS: 0.00038 MIN GOLD ON MATING RECEPTACLE END, 0.00254-0.00508 MATTE TIN ON REMAINDER, ALL OVER 0.00127 NICKEL.
SCREWLOCKS: CLEAR CHROMATE OVER ZINC.
- △ PCB HOLE RECOMMENDATIONS FOR SILVER IMMERSION PLATING:
A. DRILL HOLE DIAMETER TO BE 1.20±0.02.
B. PLATING TO BE 0.0001524-0.0004064 SILVER OVER 0.0508±0.0254 COPPER.
C. RECOMMENDED FINISH HOLE SIZE IS 1.10-1.19.
- △ TO BE USED ON SILVER IMMERSION PLATED PCB'S (NOTE 7).
- △ PCB HOLE RECOMMENDATIONS FOR ENIG PLATING:
A. DRILL HOLE DIAMETER TO BE 1.20±0.02.
B. PLATING TO BE 0.000051-0.000127 GOLD OVER 0.00305-0.00610 NICKEL ALL OVER 0.0508±0.0254 COPPER.
C. RECOMMENDED FINISH HOLE SIZE IS 1.10-1.19.
- △ TO BE USED ON STANDARD PCB (NOTE 3) OR ENIG PLATED PCB (NOTE 9).



RECOMMENDED PCB LAYOUT FOR 1375794-1 & -3



RECOMMENDED PCB LAYOUT FOR 1375794-2 & -4

FINISH	KEYED CIRCUITS	PART NO
△8	△6	NO 1375794-4
△6	△6	YES △5 1375794-3
△10	△2	NO 1375794-2
△10	△2	YES △5 1375794-1

DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		DWN: W.G. LENKER 02JUN2000		Tyco Electronics	
mm		0 PLC ±		ENR: L.BREKOSKY 15JAN2001		Harrisburg, PA 17105-3608	
Ø		1 PLC ±0.13		APVD: -		NAME: ASSEMBLY, PC/104, NON-STACKTHROUGH CONTACTS, 2 STANDOFFS, PRESS FIT	
MATERIAL		FINISH		PRODUCT SPEC: 108-1956		SIZE: CAGE CODE: DRAWING NO: RESTRICTED TO	
△1		△6/△2		APPLICATION SPEC: 114-13021		A1 00779 C=1375794	
				WEIGHT: -		SCALE: 4:1 SHEET 1 OF 1 REV E	
				CUSTOMER DRAWING			