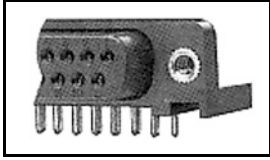


5788798-1 Product Details

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5788798-1

TE Internal Number: 5788798-1

Active

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Standard Board Mount Connectors

- Always EU RoHS/ELV Compliant
(Statement of Compliance)

Product Highlights:

- 15 Positions
- Connector Style = Receptacle
- PCB Mounting Orientation = Right Angle
- Product Series = HD 20
- With Mating Connector Lock

[View all Features](#)

Quick Links

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Documentation & Additional Information

Product Drawings:

- [RCPT ASSEMBLY, SIZE 2, .318 SERIES, WITH FRONT METAL...](#) (PDF, English)

Catalog Pages/Data Sheets:

- [AMPLIMITE Subminiature D Connectors - Right-Angle Po...](#) (PDF, English)

Product Specifications:

- None Available

Application Specifications:

- None Available

Instruction Sheets:

- None Available

CAD Files: (CAD Format & Compression Information)

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

[List all Documents](#)

Additional Information:

- [Product Line Information](#)

Related Products:

- [Tooling](#)
- [Mating Products \(11\)](#)

Product Features (Please use the Product Drawing for all design activity)

Product Type Features:

- [PCB Mounting Orientation](#) = Right Angle
- [Product Series](#) = HD 20
- [Mating Connector Lock](#) = With
- [Mating Connector Lock Type](#) = Threaded Inserts
- [PCB Mount Retention](#) = With
- [PCB Mount Retention Type](#) = Boardlock(s)
- [Shell Type](#) = Front Metal Shell
- [Shell Size](#) = 2
- [Footprint \(mm \[in\]\)](#) = 8.08 [.318]
- [Grounding Indents](#) = Without
- [Grounding Straps](#) = Without
- [PCB Mount Style](#) = Through Hole

- [Color Code](#) = None
- [Sealed](#) = No
- [Profile](#) = Standard

Body Features:

- [Shell Material](#) = Steel
- [Shell Plating](#) = Tin
- [Threaded Insert Material](#) = Zinc
- [Threaded Insert Plating](#) = Clear Chromate
- [Eyelet Plating](#) = Tin

Contact Features:

- [Contact Plating, Mating Area, Material](#) = Gold (30)
- [Solder Tail Contact Plating](#) = Tin over Nickel
- [Contact Base Material](#) = Copper Alloy

Housing Features:

- [Connector Style](#) = Receptacle
- [UL Flammability Rating](#) = UL 94V-0
- [Housing Material](#) = Thermoplastic - GF

- Eyelet Material = Brass

Mechanical Attachment:

- [Panel Mount Retention](#) = Without
- Boardlock Material = Copper Alloy
- Boardlock Plating = Tin

Termination Features:

- [Grounding Clips](#) = Without
- [Termination Post Length \(mm \[in\]\)](#) = 3.18 [0.125]

Dimensions:

- [PCB Thickness, Recommended \(in \[mm\]\)](#) = 0.062 [1.57]

Configuration Features:

- [Number of Positions](#) = 15
- SMT Compatible = Yes

Industry Standards:

- [RoHS/ELV Compliance](#) = RoHS compliant, ELV compliant
- [Lead Free Solder Processes](#) = Wave solder capable to 240°C, Wave solder capable to 260°C, Wave solder capable to 265°C
- RoHS/ELV Compliance History = Always was RoHS compliant

Conditions for Usage:

- High Temperature Housing = Yes

Other:

- Brand = AMP

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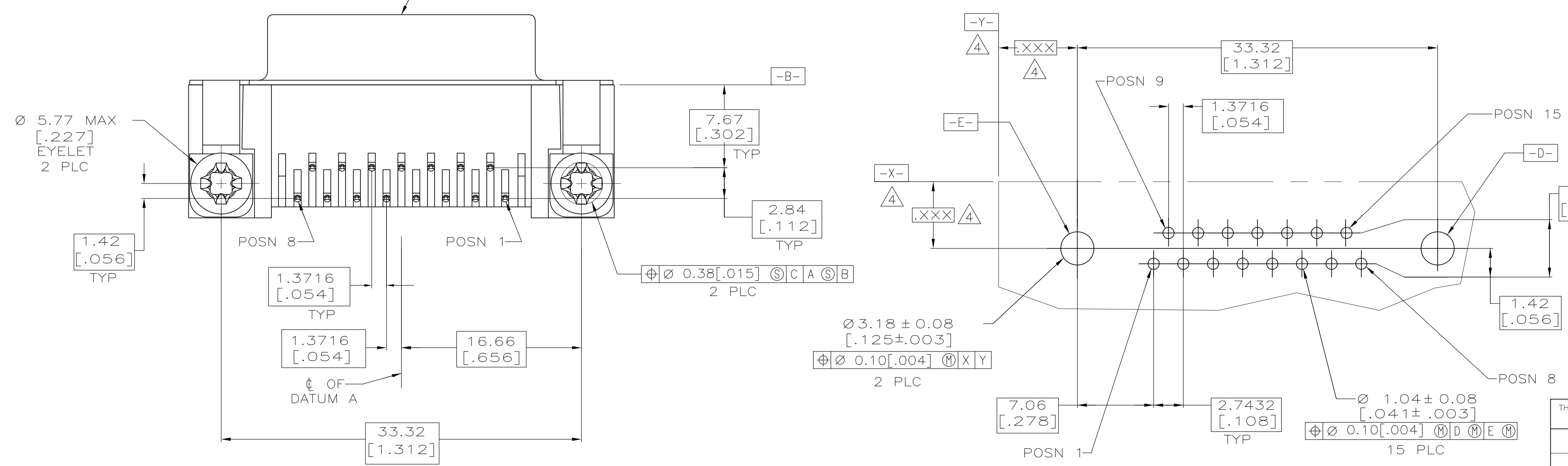
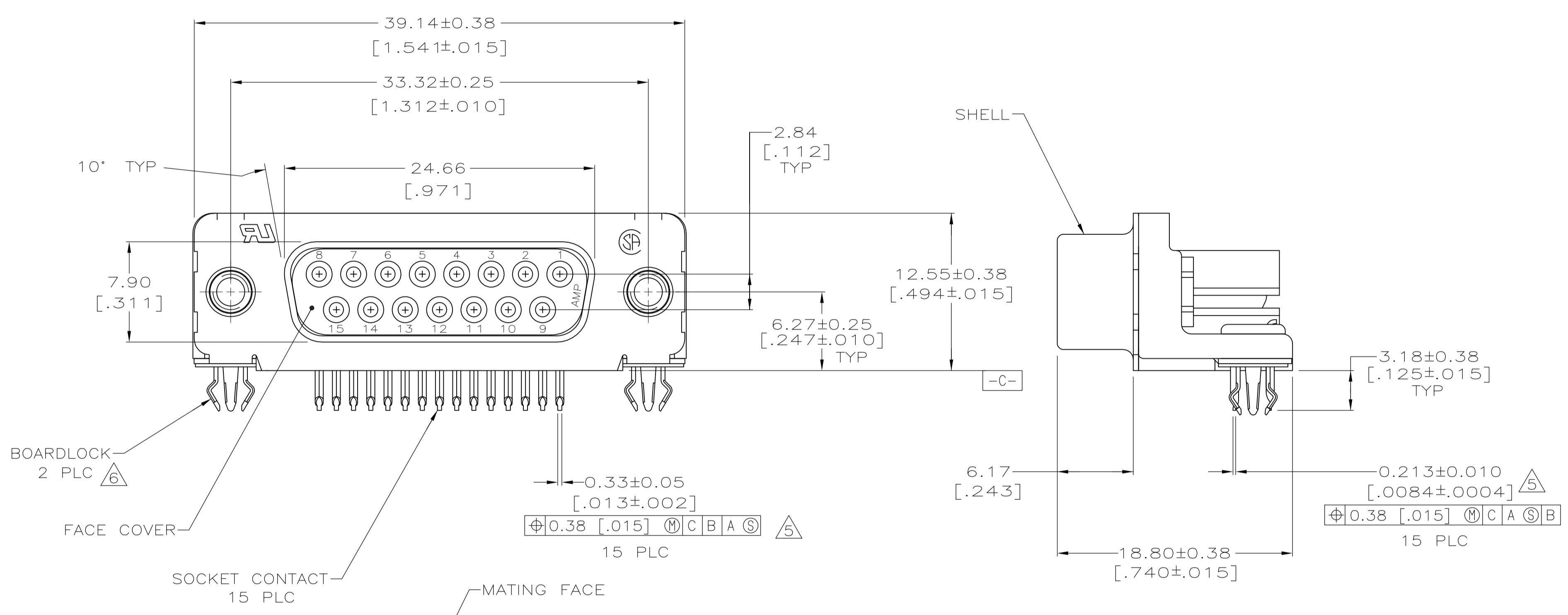
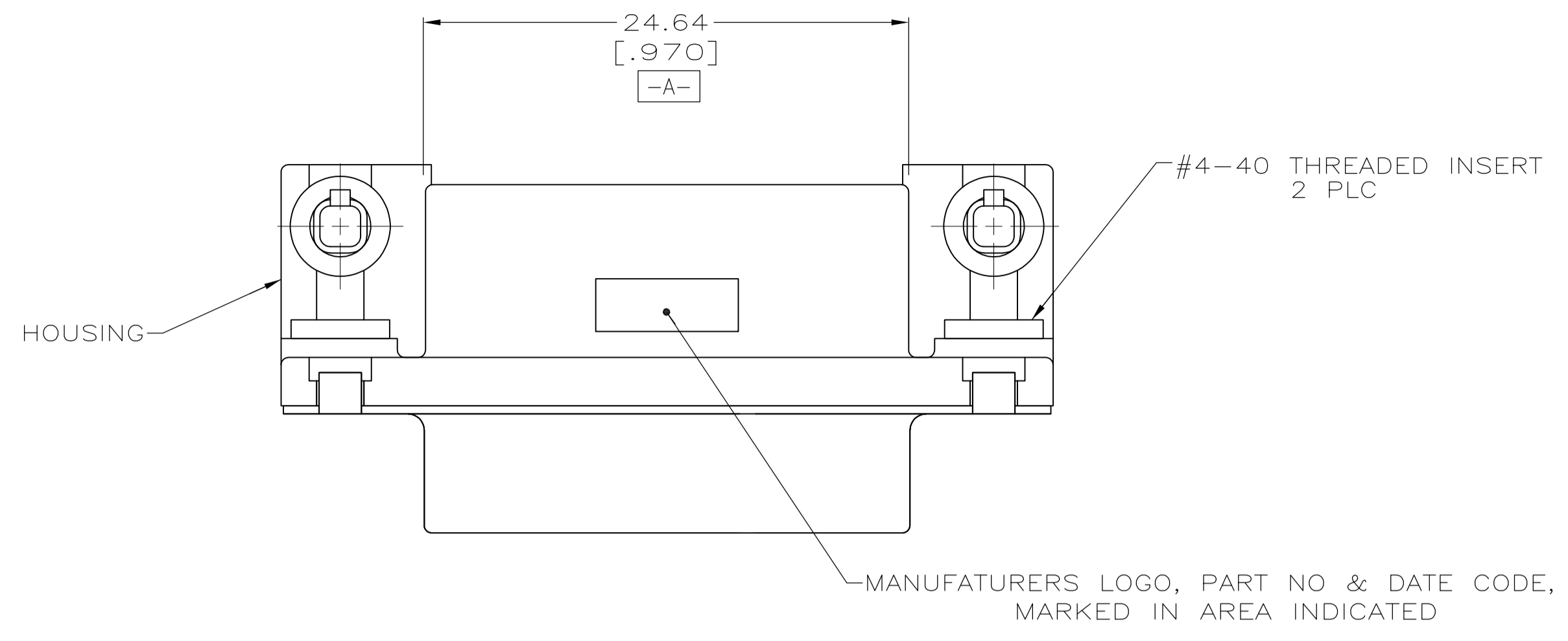
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RECOMMENDED PC BOARD LAYOUT
1.57 [.062] PC BOARD THICKNESS

- ⚠ HOUSING & FACE COVER: NYLON, THERMOPLASTIC, UL 94VO RATED, BLACK; SHELL: CARBON STEEL; SOCKET CONTACTS: PHOSPHOR BRONZE; EYELETS: BRASS; THREADED INSERTS: ZINC; BOARDLOCKS: COPPER ALLOY.
- ⚠ SOCKET CONTACTS: GOLD PLATED FOR A LENGTH OF 1.27 [.050] MIN FROM MATING END, 0.76 μm [.000030] MIN GOLD IN MATED AREA, 2.54 μm [.000100] MIN TIN FOR A LENGTH OF 3.56 [.140] MIN FROM OPPOSITE END, BOTH OVER 1.27 μm [.000050] MIN NICKEL. EYELETS: 2.54 μm [.000100] MIN TIN OVER COPPER FLASH. SHELL: 2.54 μm [.000100] MIN TIN OVER 1.27 μm [.000050] MIN COPPER. THREADED INSERTS: CLEAR CHROMATE. BOARDLOCKS: 3.81 μm [.000150] MIN TIN OVER 1.27 μm [.000050] MIN NICKEL.
- ⚠ SOCKET CONTACTS: GOLD PLATED FOR A LENGTH OF 1.27 [.050] MIN FROM MATING END, GOLD FLASH IN MATED AREA, 2.54 μm [.000100] MIN TIN FOR A LENGTH OF 3.56 [.140] MIN FROM OPPOSITE END, BOTH OVER 1.27 μm [.000050] MIN NICKEL. EYELETS: 2.54 μm [.000100] MIN TIN OVER COPPER FLASH. SHELL: 2.54 μm [.000100] MIN TIN OVER 1.27 μm [.000050] MIN COPPER. THREADED INSERTS: CLEAR CHROMATE. BOARDLOCKS: 3.81 μm [.000150] MIN TIN OVER 1.27 μm [.000050] MIN NICKEL.
- ⚠ DATUMS AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.
- ⚠ POSITION TOLERANCE APPLIES AT CONTACT TIP.
- ⚠ BOARDLOCKS WILL ACCEPT .062 MAX PRINTED CIRCUIT BOARD THICKNESS.
- 7. COMPATIBLE WITH TYPICAL HIGH TEMPERATURE SOLDERING APPLICATIONS TO A MAXIMUM OF 225°C FOR A MAXIMUM DURATION OF 90 SECONDS. TEMPERATURE TO BE MEASURED ON CONNECTOR SURFACE.

OBSOLETE	TUBES	⚠	5788798-3
OBSOLETE	TRAYS	⚠	5788798-2
	TRAYS	⚠	5788798-1
	PACKAGING	FINISH	PART NO

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm [INCHES]	TOLERANCES UNLESS OTHERWISE SPECIFIED:	DIN J. ALCORTA - DOCK5 04-12-05	NAME
0 PLC ± -	1 PLC ± -	CHK S. BOLASH 04-12-05	RCPT ASSEMBLY, SIZE 2, .318 SERIES, WITH FRONT METAL SHELL, HIGH TEMPERATURE, AMPLIMITE HD-20
2 PLC ± 0.13 [.005]	3 PLC ± -	APPD M. WALMSLEY 04-12-05	PRODUCT SPEC 108-40025
4 PLC ± -	ANGLES ± -	APPLICATION SPEC 114-40010	SIZE CAGE CODE DRAWING NO RESTRICTED TO
MATERIAL	FINISH SEE TABLE	WEIGHT	A1 00779 C=5788798
		CUSTOMER DRAWING	SCALE 4:1 SHEET 1 OF 1 REV A1

STC TE Connectivity