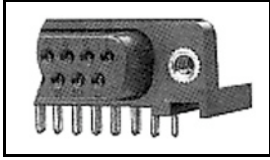


## 5788796-1 Product Details

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**5788796-1**

TE Internal Number: 5788796-1

 Active

[View 3D PDF](#)

### Standard Board Mount Connectors

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

### Product Highlights:

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

[View all Features](#)

### Quick Links

- ▶ [Pricing & Availability](#)
- ▶ [Search for Tooling](#)
- ▶ [View Mating Products \(12\)](#)
- ▶ [Product Feature Selector](#)
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### Documentation & Additional Information

#### Product Drawings:

- [RCPT ASSEMBLY, SIZE 1, .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 0)
- [3D Model](#) (IGES, Version 0)
- [3D Model](#) (STEP, Version 0)

[List all Documents](#)

#### Additional Information:

- [Product Line Information](#)

#### Related Products:

- [Tooling](#)
- [Mating Products \(12\)](#)

### 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](#) = 1
- [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](#) = 9
- 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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**Quick Links**

- [Distributor Inventory](#)
- [Product Cross Reference](#)
- [Documents & Drawings](#)
- [Product Compliance Support Center](#)
- [Site Map](#)

**Customer Support**

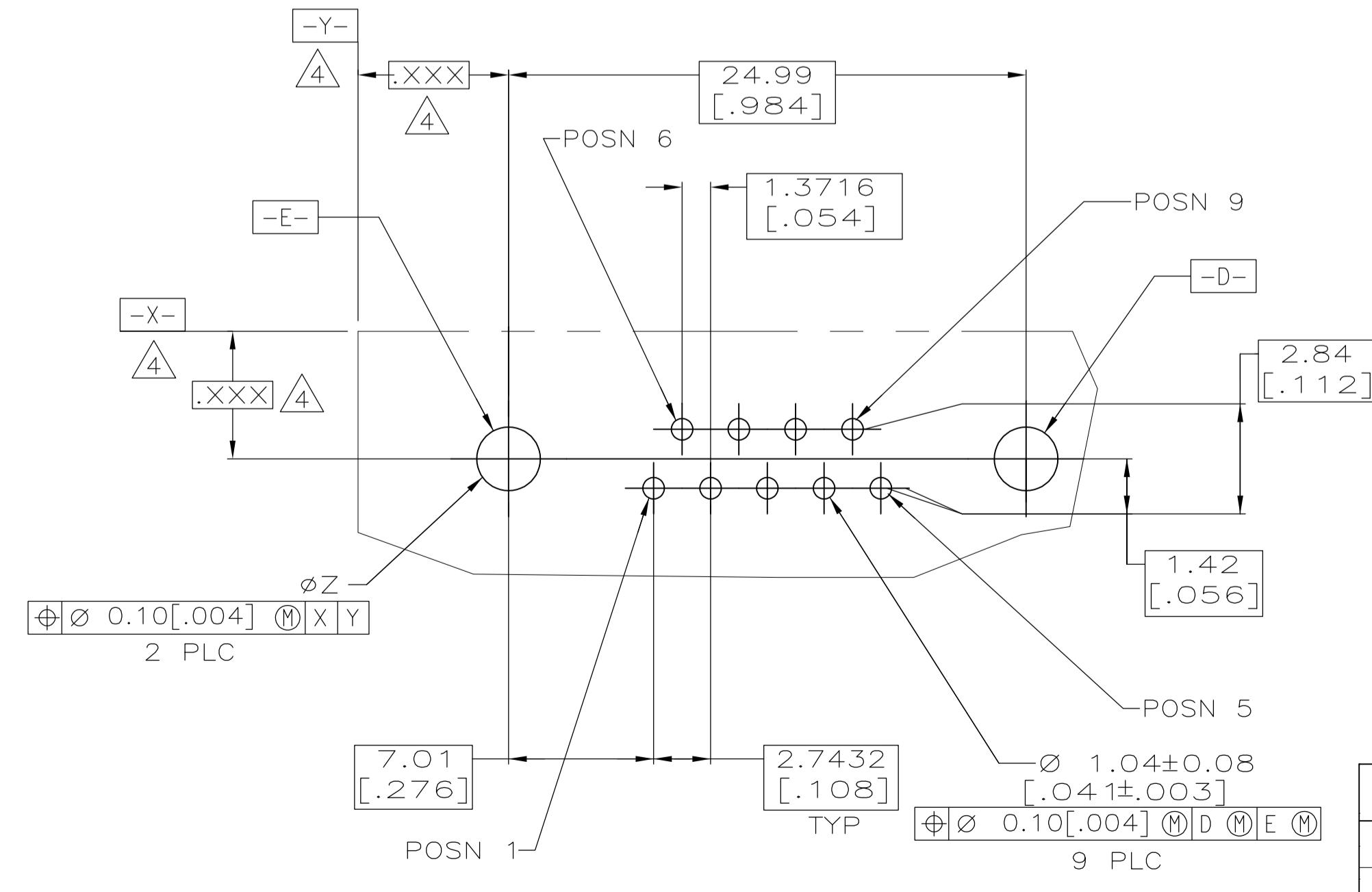
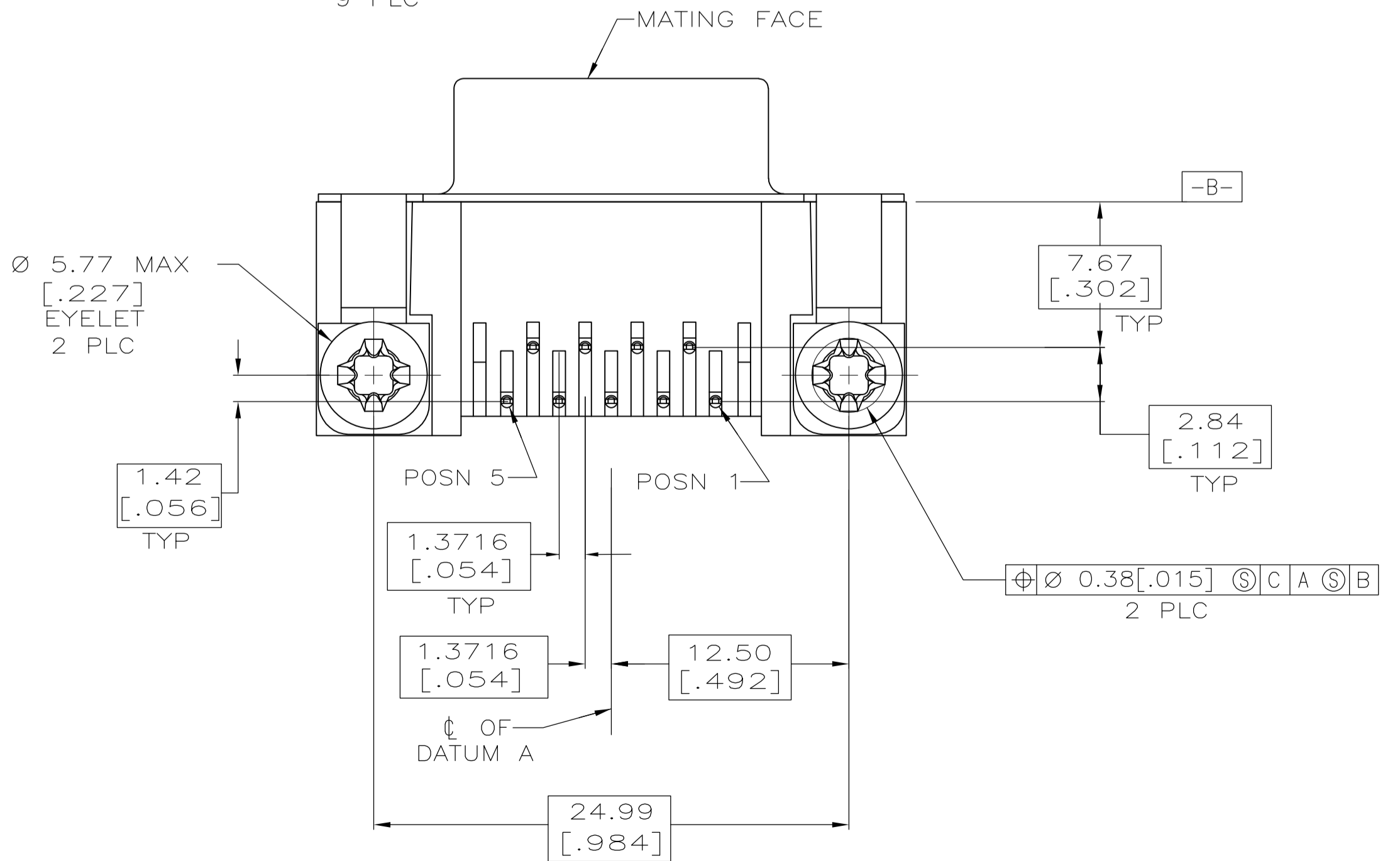
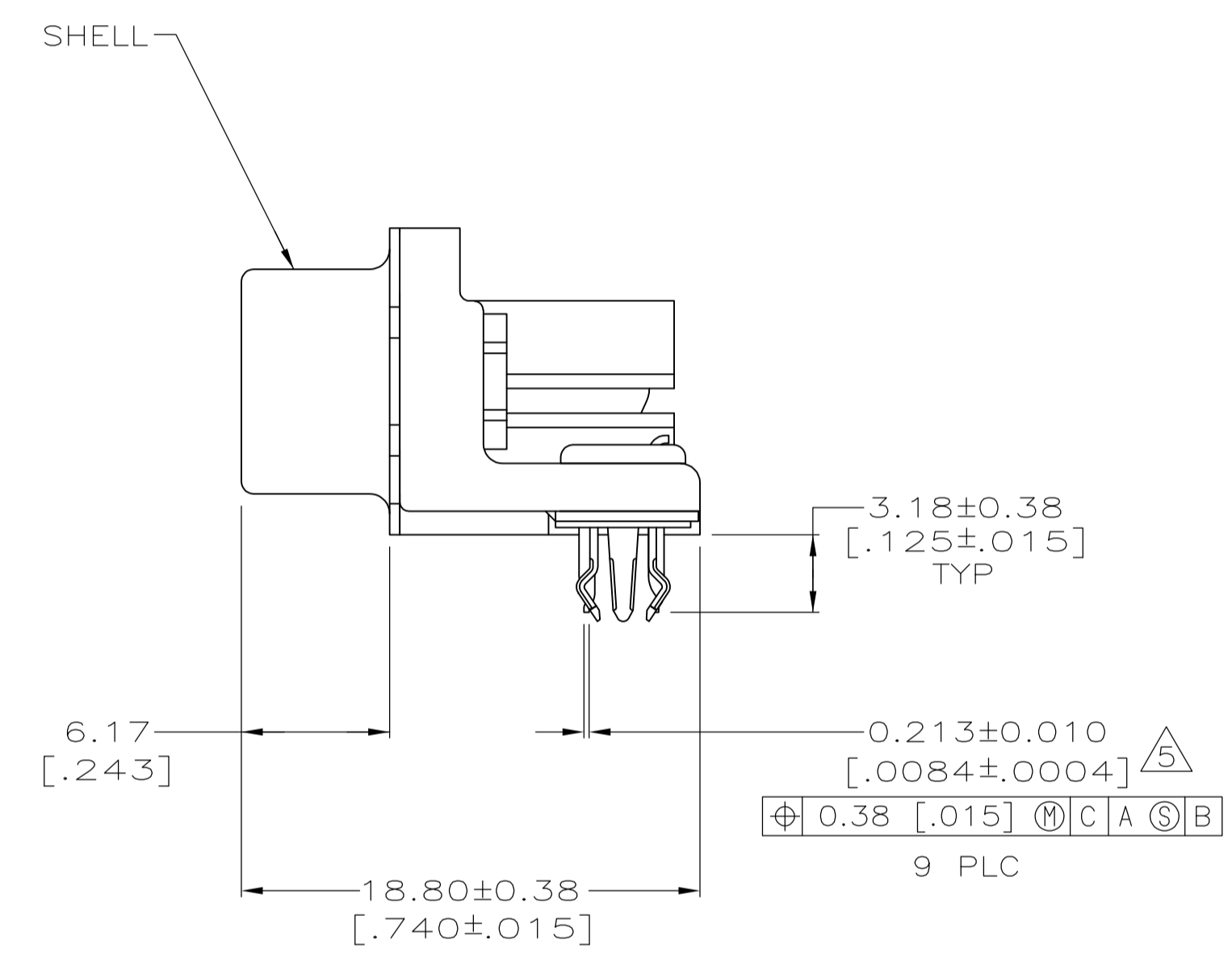
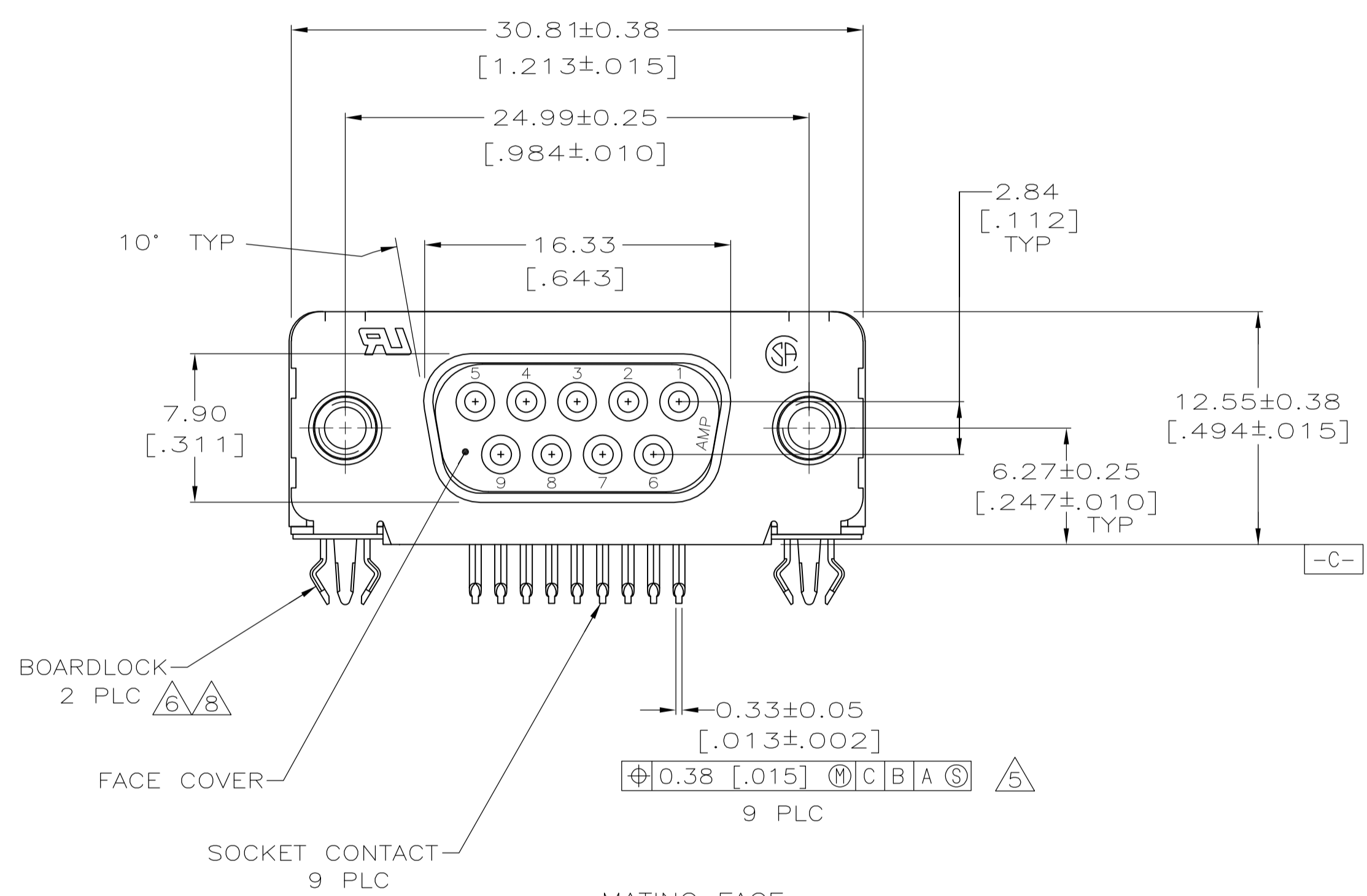
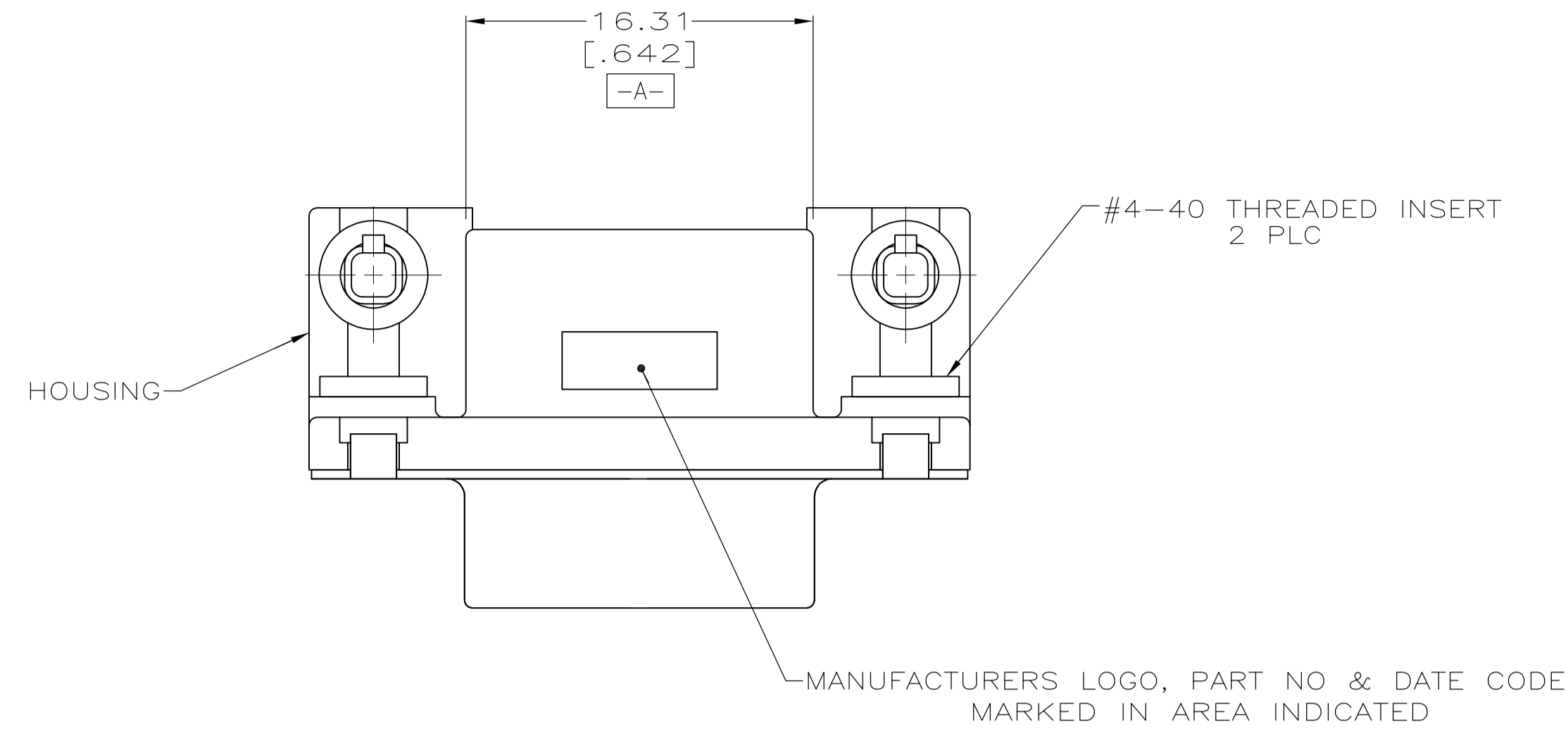
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REVISONS		DATE	DWN	APVD
P	REVISED PER ECO-11-004835	11MAR11	RK	HMR



- △ 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, 0.76µm [.000030] MIN GOLD IN MATED AREA, 2.54µm [.000100] MIN TIN FOR A LENGTH OF 3.56 [.140] MIN FROM OPPOSITE END, BOTH OVER 1.27µm [.000050] MIN NICKEL. EYELETS: 2.54µm [.000100] MIN TIN OVER COPPER FLASH. SHELL: 2.54µm [.000100] MIN TIN OVER 1.27µm [.000050] MIN COPPER. THREADED INSERTS: CLEAR CHROMATE. BOARDLOCKS: 3.81µm [.000150] MIN TIN OVER 1.27µm [.000050] MIN NICKEL.
- △ SOCKET CONTACTS: GOLD PLATED FOR A LENGTH OF 1.27 [.050] MIN FROM MATING END, GOLD FLASH IN MATED AREA, 2.54µm [.000100] MIN TIN FOR A LENGTH OF 3.56 [.140] MIN FROM OPPOSITE END, BOTH OVER 1.27µm [.000050] MIN NICKEL. EYELETS: 2.54µm [.000100] MIN TIN OVER COPPER FLASH. SHELL: 2.54µm [.000100] MIN TIN OVER 1.27µm [.000050] MIN COPPER. THREADED INSERTS: CLEAR CHROMATE. BOARDLOCKS: 3.81µm [.000150] MIN TIN OVER 1.27µm [.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.
- △ 5788796-4 DOES NOT HAVE BOARDLOCKS
- △ OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI

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

REV	DESCRIPTION	DATE	DWN	APVD
9	OBSOLETE	04-11-05		
8	5788796-4	04-11-05		
7	5788796-3	04-11-05		
6	5788796-2	04-11-05		
5	5788796-1	04-11-05		
	TRAYS			
	TUBES			
	PACKAGING			
	FINISH			
	PART NO			

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm [INCHES]

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC	± .005
1 PLC	± .005
2 PLC	± 0.13 [.005]
3 PLC	± .005
4 PLC	± .005
ANGLES	± .2°

MATERIAL: SEE TABLE

FINISH: SEE TABLE

APVD: J. ALCORTA - DOCK5 04-11-05

CHK: S. BOLASH 04-11-05

NAME: M. WALMSLEY

RCPT ASSEMBLY, SIZE 1, .318 SERIES, WITH FRONT METAL SHELL, HIGH TEMPERATURE, AMPLIMITE HD-20

108-40025

114-40010

SIZE: A1

SCALE: 4:1

SHEET: 1 of 1

REV: P