

## 5747844-6 Product Details



5747844-6

TE Internal Number: 5747844-6

 Active

### 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

### Documentation & Additional Information

#### Product Drawings:

- [RECEPTACLE ASSEMBLY, SIZE 1, RIGHT ANGLE, .318 SERIE...](#) (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)

#### Additional Information:

- [Product Line Information](#)

#### Additional Product Images:

- [Product Photo](#)

#### 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 = Female Screwlocks, Fixed
- 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 = With
- PCB Mount Style = Through Hole
- Color Code = None
- Sealed = No
- Profile = Standard
- Post Size (mm [in]) = 0.66 [.026]
- Mounting Hole Diameter (mm [in]) = 3.18 [.125]
- Shell Material = Steel
- Eyelet Material = Brass

#### Dimensions:

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

#### Body Features:

- Shell Plating = Tin
- Female Screwlock Material = Zinc
- Female Screwlock Plating = Clear Chromate
- Eyelet Plating = Tin

#### Contact Features:

- Contact Plating, Mating Area, Material = Gold (30)
- Contact Shape = Round
- Contact Base Material = Phosphor Bronze

#### Housing Features:

- Connector Style = Receptacle
- UL Flammability Rating = UL 94V-0
- Housing Material = Thermoplastic - GF

#### Configuration Features:

- Number of Positions = 9

#### Mechanical Attachment:

#### Industry Standards:

- **Panel Mount Retention** = Without
- **Boardlock Material** = Copper Alloy
- **Boardlock Plating** = Tin

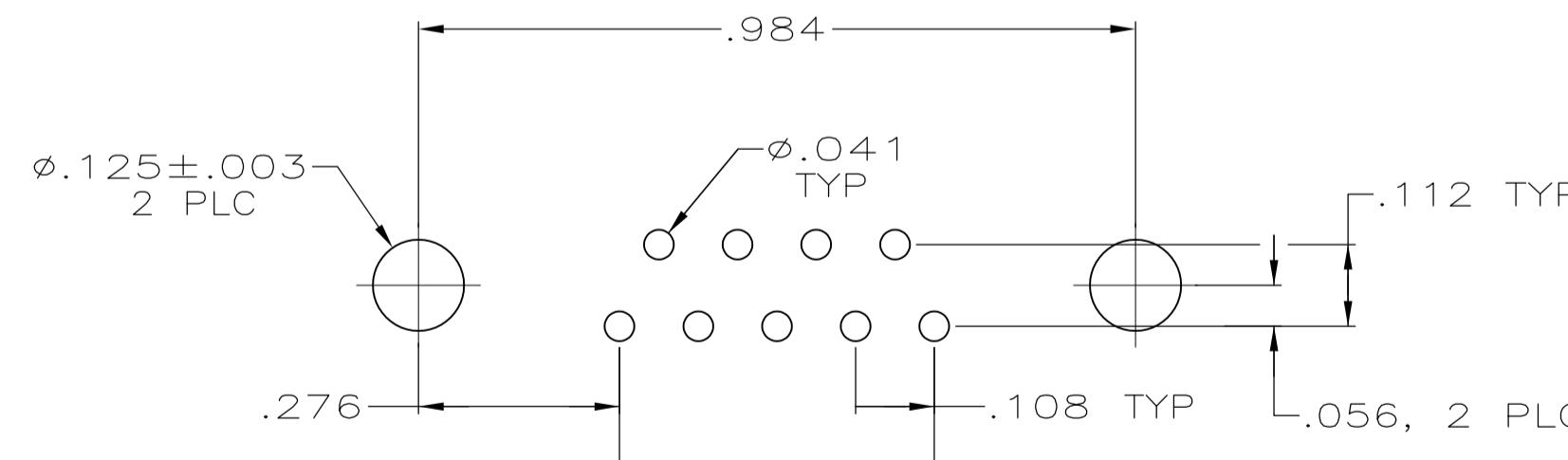
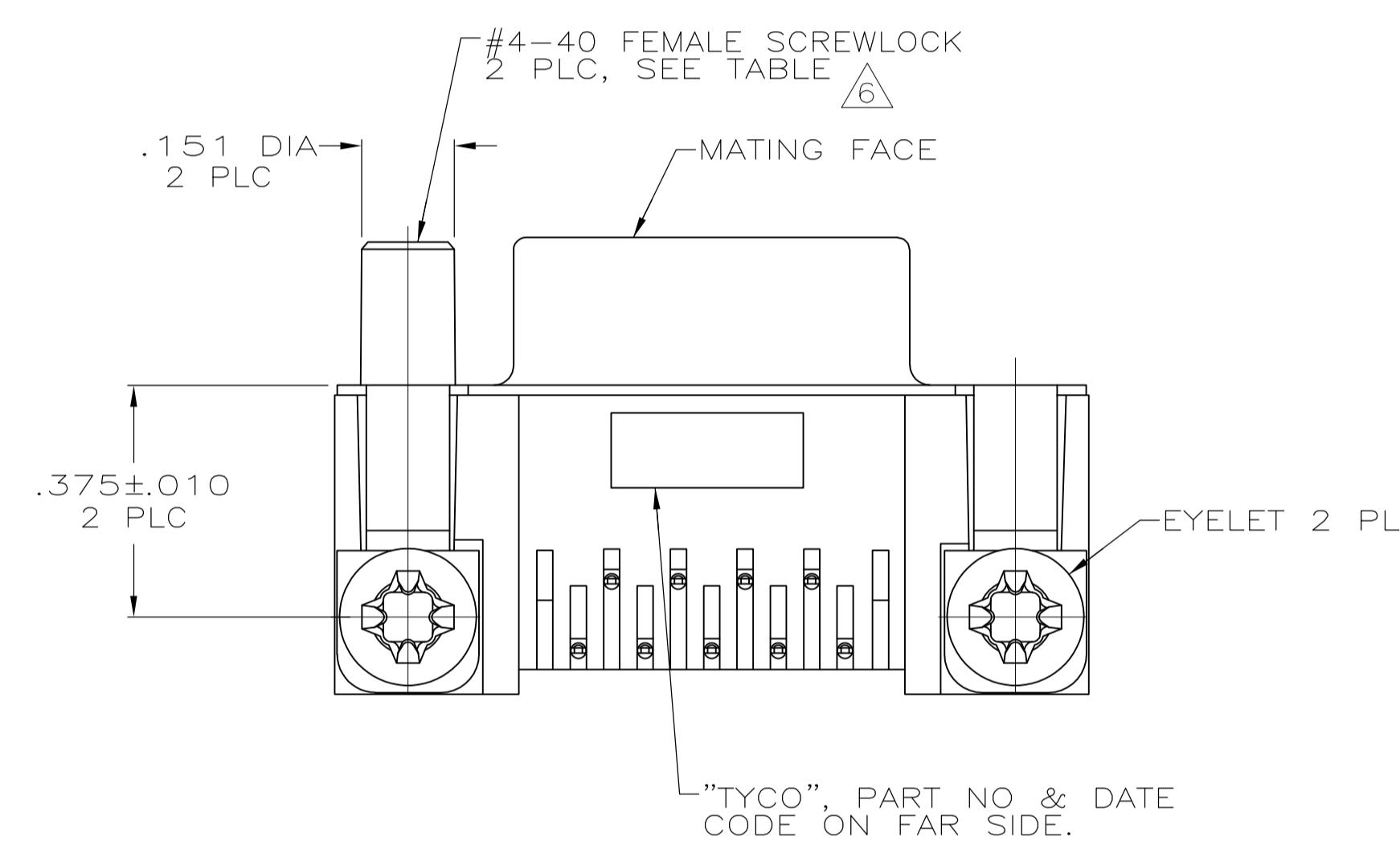
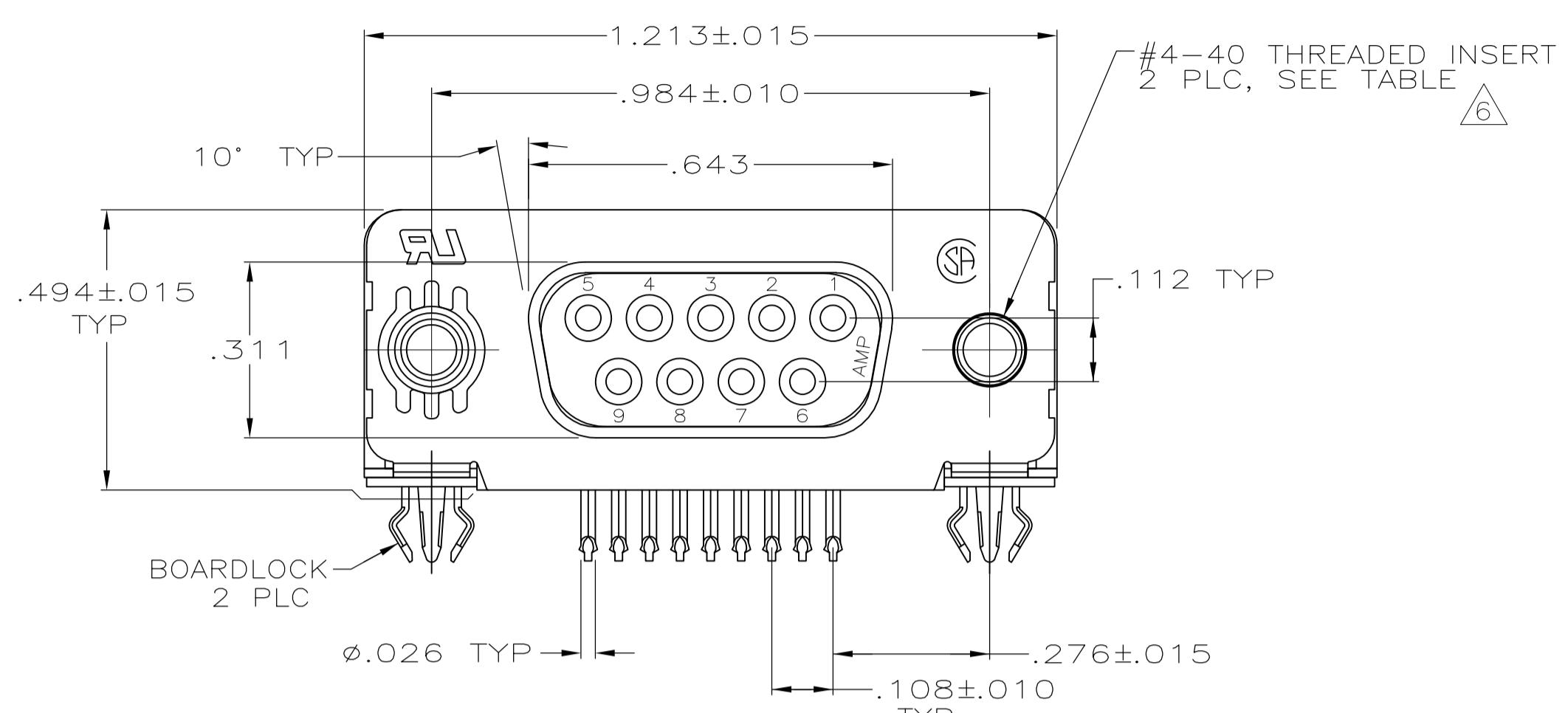
**Termination Features:**

- **Grounding Clips** = Without
- **Termination Post Length (mm [in])** = 3.18 [0.125]
- **Solder Tail Contact Plating** = Tin over Nickel

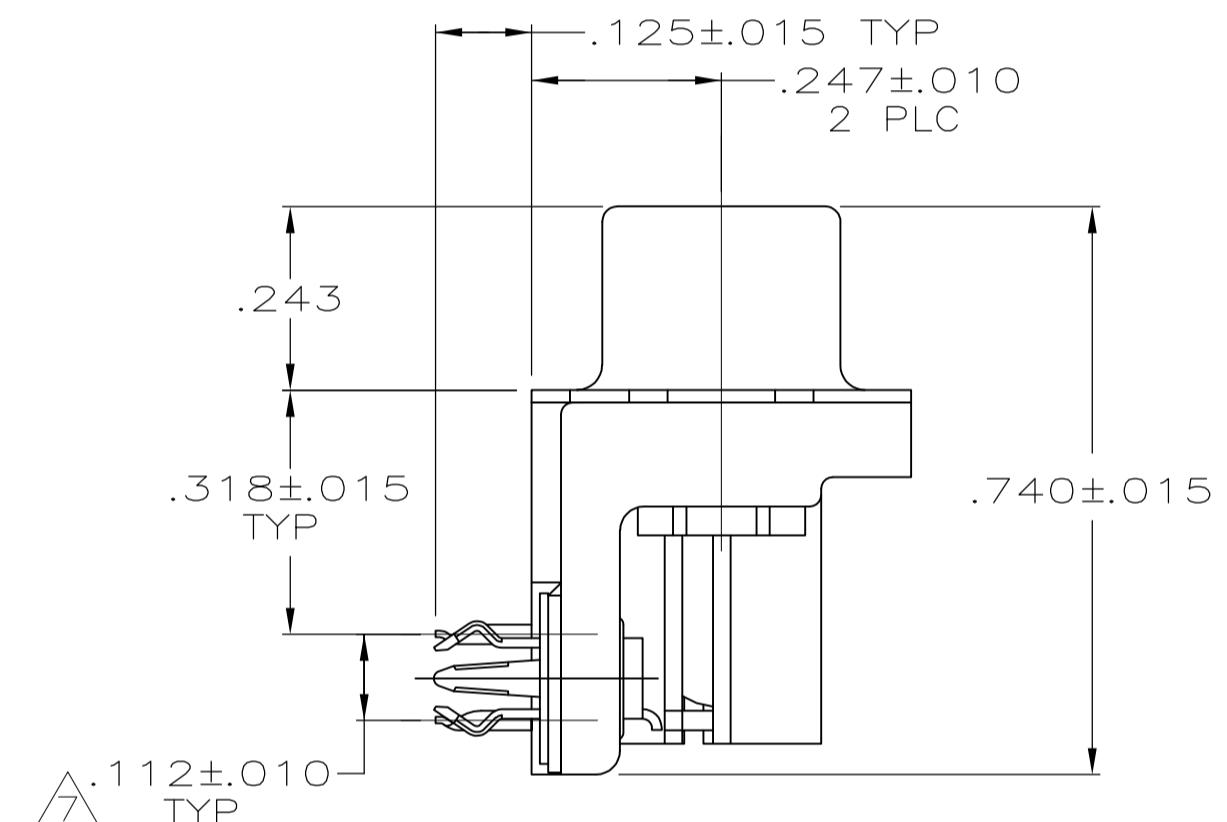
- **RoHS/ELV Compliance** = RoHS compliant, ELV compliant
- **Lead Free Solder Processes** = Wave solder capable to 260°C, Wave solder capable to 240°C, Wave solder capable to 265°C
- **RoHS/ELV Compliance History** = Always was RoHS compliant

**Other:**

- Brand = AMP
- Comment = All receptacles are preloaded with size 20 DF posted socket contacts



PC BOARD MOUNTING DIMENSIONS



1. CONNECTOR MATES WITH ANY 9 POSN PLUG IN AMPLIMITE SERIES.

△ MOLDED PARTS: FLAME RETARDANT 94V-0 RATED THERMOPLASTIC, BLACK.  
SHELL: STEEL PER ASTM A109  
CONTACTS: PHOSPHOR BRONZE PER QQ-B-750  
EYELETS: BRASS  
SCREWLOCKS: ZINC  
INSERTS: ZINC  
BOARDLOCKS: COPPER ALLOY

△ SHELL: .000100 MIN TIN  
CONTACTS: SEE TABLE  
EYELETS: TIN  
SCREWLOCKS: CLEAR CHROMATE  
BOARDLOCKS: TIN.  
INSERTS: CLEAR CHROMATE

△ GOLD FLASH FOR A DISTANCE OF .100 MIN FROM MATING END,  
.000100-.000200 TIN ON TERMINATION END,  
ALL OVER .000050 NICKEL ON ENTIRE CONTACT.

△ .000030 GOLD FOR A DISTANCE OF .100 MIN FROM MATING END,  
.000100-.000200 TIN ON TERMINATION END,  
ALL OVER .000050 NICKEL ON ENTIRE CONTACT.

△ SCREWLOCKS & INSERTS WILL WITHSTAND 4 IN LBS TORQUE & 20 LBS  
PULL OUT FORCE FROM MATING FACE SIDE.

△ DIMENSION APPLIES TO CENTER LINE OF CONTACTS.

PACKAGING		MOUNTING HARDWARE	CONTACT FINISH	PART NUMBER
—	—	FEMALE SCREWLOCKS	5	5747844-6
—	—	FEMALE SCREWLOCKS	4	5747844-5
TRAY	—	THREADED INSERTS	5	5747844-4
—	—	THREADED INSERTS	4	5747844-3
—	—	.125 DIA HOLES	5	5747844-2
PACKAGING		MOUNTING HARDWARE	CONTACT FINISH	PART NUMBER
THIS DRAWING IS A CONTROLLED DOCUMENT.		DIN 18MARS05 LVARELA - DOCK S. BOLASH	TE Connectivity	
DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED	APVD M. WALMSLEY 18MAR205	NAME RECEPTACLE ASSEMBLY, SIZE 1, RIGHT ANGLE, .318 SERIES, FRONT METAL SHELL, .026 DIA POSTS, BOARDLOCKS, AMPLIMITE HD-20	
0 PLC 1 PLC 2 PLC 3 PLC 4 PLC	± .003 ± .003 ± .003 ± .003 ± .003	108-40025 APPLICATION SPEC 114-40010	SIZE CAGE CODE DRAWING NO RESTRICTED TO	
MATERIAL	FINISH	WEIGHT —	A1 00779 C 5747844	
	△		CUSTOMER DRAWING	SCALE 4:1 SHEET 1 OF 1 REV P