

## 5747301-8 Product Details

[Share](#) [Print](#) [Email](#)




**5747301-8**

TE Internal Number: 5747301-8

 Active

[View 3D PDF](#)

### Standard Board Mount Connectors

 Always EU RoHS/ELV Compliant  
(Statement of Compliance)

### Product Highlights:

- 37 Positions
- Connector Style = Receptacle
- PCB Mounting Orientation = Vertical
- Product Series = HD 20
- With Mating Connector Lock

[View all Features](#)

### Quick Links

- ▶ [Pricing & Availability](#)
- ▶ [Search for Tooling](#)
- ▶ [View Mating Products \(6\)](#)
- ▶ [Product Feature Selector](#)
- ▶ [Contact Us About This Product](#)

[Add to My Part List](#)

[Request Sample](#)

[Find Similar Products](#)

[Buy Product](#)

### Documentation & Additional Information

#### Product Drawings:

- [RECEPTACLE ASSEMBLY, SIZE 4, 37 POSN, VERTICAL, FRON... \(PDF, English\)](#)

#### Catalog Pages/Data Sheets:

- [AMPLIMITE Subminiature D Connectors - Straight Poste... \(PDF, English\)](#)

#### Product Specifications:

- [AMPLIMITE HD-20 PCB Mounted Connector \(PDF, English\)](#)

#### Application Specifications:

- [AMPLIMITE HD-20 Straight Solder Contact Tine, Front ... \(PDF, English\)](#)

#### 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](#)

#### Additional Product Images:

- [Product Photo](#)

#### Related Products:

- [Tooling](#)
- [Mating Products \(6\)](#)

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

#### Product Type Features:

- [PCB Mounting Orientation](#) = Vertical
- [Product Series](#) = HD 20
- [Mating Connector Lock](#) = With
- [Mating Connector Lock Type](#) = Threaded Insert, 4-40 UNC
- [PCB Mount Retention](#) = With
- [PCB Mount Retention Type](#) = Mounting Hole(s)
- [Shell Type](#) = Front Metal Shell
- [Shell Size](#) = 4
- [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](#) = Brass

#### Contact Features:

- [Contact Plating, Mating Area, Material](#) = Gold (30)
- [Solder Tail Contact Plating](#) = Tin over Nickel
- [Contact Shape](#) = Round
- [Contact Base Material](#) = Phosphor Bronze

#### Housing Features:

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

- Post Size (mm [in]) = 0.66 [.026]
- Mounting Hole Diameter (mm [in]) = 3.05 [.120]

**Mechanical Attachment:**

- [Panel Mount Retention](#) = Without

**Termination Features:**

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

**Dimensions:**

- [PCB Thickness, Recommended \(in \[mm\]\)](#) = 0.062 - 0.093 [1.57 - 2.36]

**Configuration Features:**

- [Number of Positions](#) = 37

**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

**Operation/Application:**

- [Application](#) = Standard

**Other:**

- [Brand](#) = AMP
- [Comment](#) = All receptacles are preloaded with size 20 DF posted socket contacts

**Corporate Information**

- [About TE](#)
- [Investors](#)
- [News Room](#)
- [Supplier Portal](#)
- [Careers](#)
- [Terms & Conditions](#)
- [Privacy Policy](#)

**Quick Links**

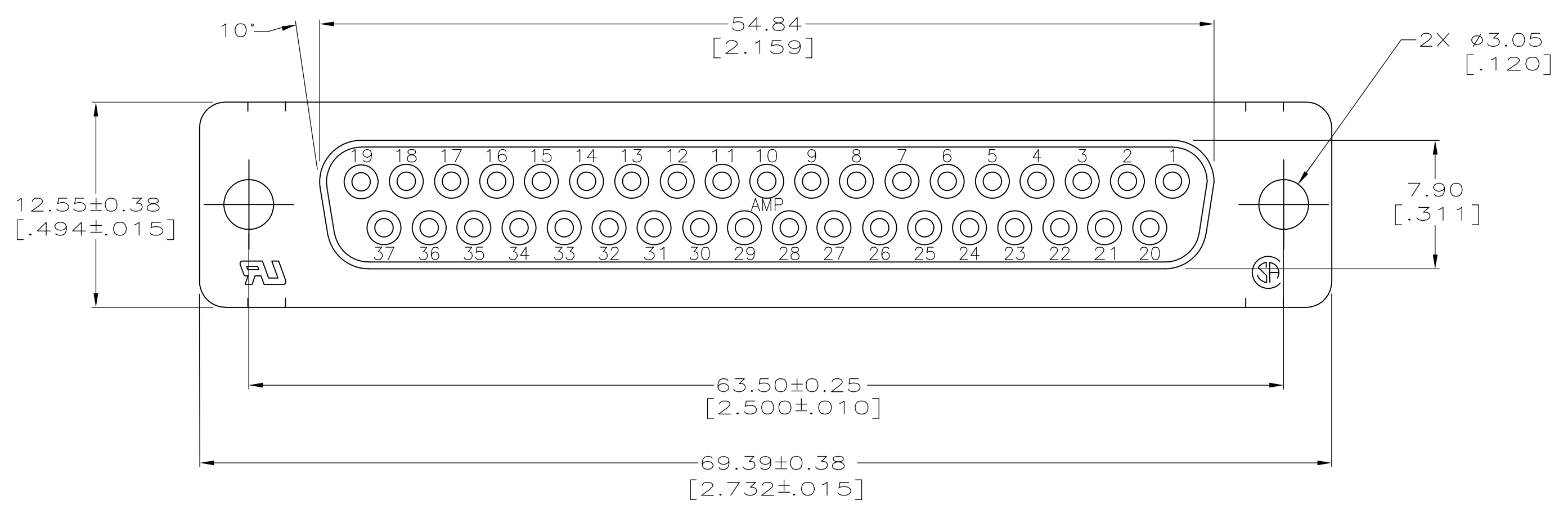
- [Distributor Inventory](#)
- [Product Cross Reference](#)
- [Documents & Drawings](#)
- [Product Compliance Support Center](#)
- [Site Map](#)

**Customer Support**

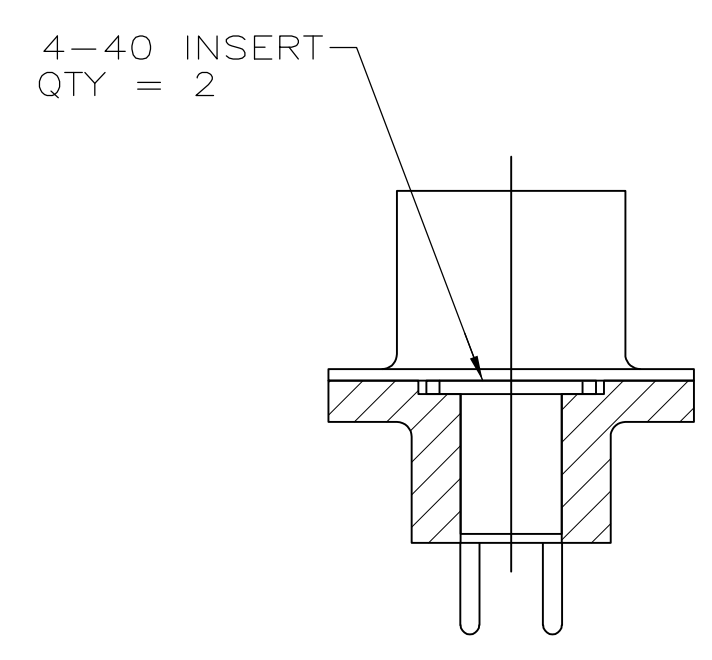
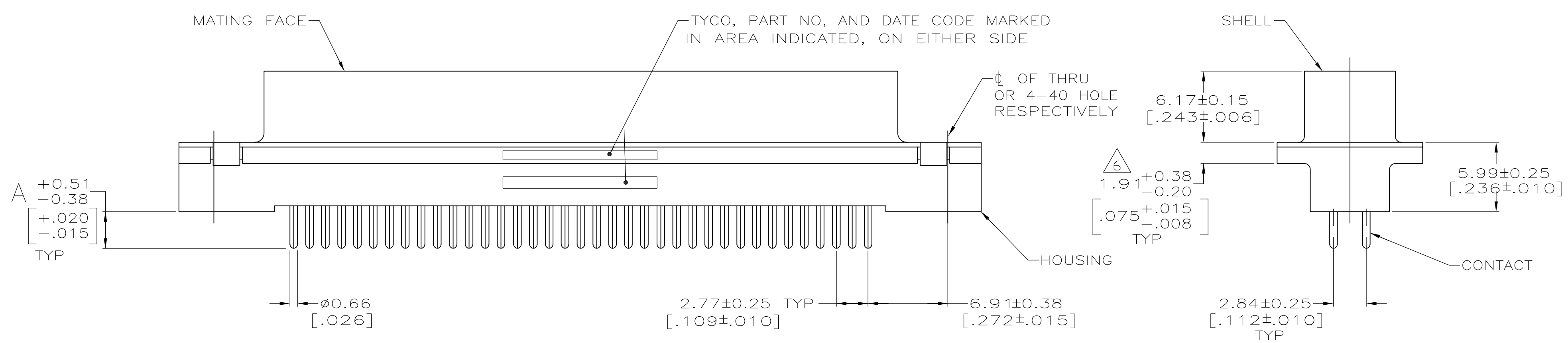
- [Email or Chat With Us](#)
- [Find a Phone Number](#)
- [Knowledge Base](#)
- [Manage Your Account](#)

**Keep Me Informed**

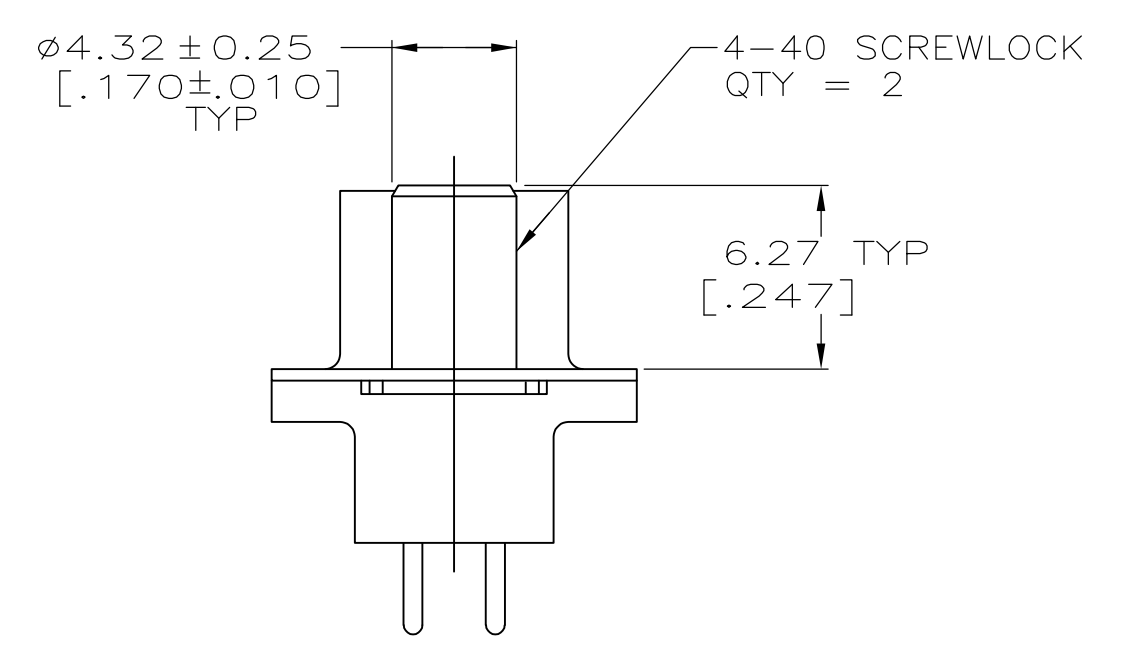




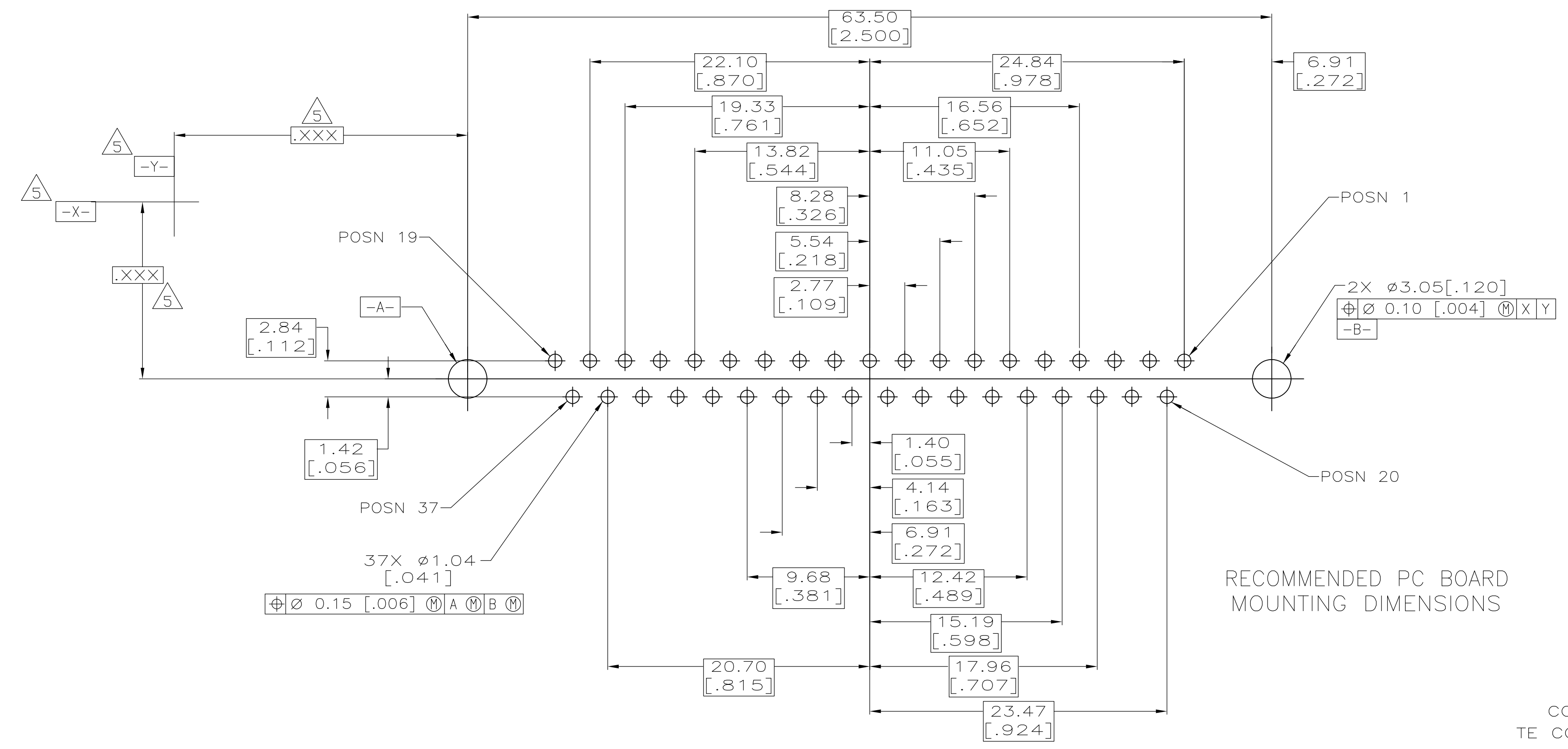
- 1 HOUSING: BLACK POLYESTER, UL 94V-0 RATED  
CONTACTS: PHOSPHOR BRONZE  
SHELL: CARBON STEEL  
SCREWLOCKS: ZINC  
INSERTS: BRASS
- 2 SHELL: 5.08µm[.000200] MIN TIN OVER 2.54µm[.000100] MIN COPPER.  
CONTACTS: SEE TABLE  
INSERTS: UNPLATED.  
SCREWLOCKS: CLEAR CHROMATE.
- 3 GOLD FLASH FOR A LENGTH OF 2.54 [.100] MIN FROM MATING END, 2.54µm[.000100] MIN TIN ON OPPOSITE END, BOTH OVER 1.27µm[.000050] MIN NICKEL.
- 4 0.76µm[.000030] MIN GOLD FOR A LENGTH OF 2.54 [.100] MIN FROM MATING END, 2.54µm[.000100] MIN TIN ON OPPOSITE END, BOTH OVER 1.27µm[.000050] MIN NICKEL.
- 5 DATUMS AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMERS.
- 6 2.79 [.110] MAX IN SHELL TAB CLINCH AREAS.



DETAIL D



DETAIL E



RECOMMENDED PC BOARD MOUNTING DIMENSIONS

COPYRIGHT 2005  
TE CONNECTIVITY CORP  
ALL RIGHTS RESERVED

4.32 [.170]	4-40 SCREWLOCK (DETAIL E)	4	1-5747301-6
3.18 [.125]	4-40 SCREWLOCK (DETAIL E)	4	1-5747301-4
3.18 [.125]	4-40 INSERT (DETAIL D)	4	5747301-8
3.18 [.125]	4-40 INSERT (DETAIL D)	3	5747301-7
3.18 [.125]	-	1	5747301-2
A	MOUNTING HARDWARE	CONTACT FINISH	PART NO
THIS DRAWING IS A CONTROLLED DOCUMENT.		STE TE Connectivity	
DIMENSIONS: mm[INCHES]		TOLERANCES UNLESS OTHERWISE SPECIFIED:	
0 PLC ± -		1 PLC ± -	
2 PLC ± 0.13 [005]		3 PLC ± -	
4 PLC ± -		ANGLES ± -	
MATERIAL	FINISH	DATE	SCALE
1	2	22SEPT05	4:1
CUSTOMER DRAWING		SIZE	SHEET
A1		1	1
DRAWING NO		REV	A1
C=5747301			