![TE connectivity]

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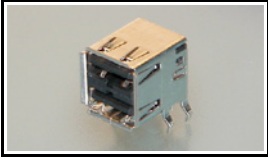
5787745-2 Product Details

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5787745-2

TE Internal Number: 5787745-2

✔ Active

📄 View 3D PDF

Universal Serial Bus (USB) Connectors

🍃 Always EU RoHS/ELV Compliant

(Statement of Compliance)

Product Highlights:

- USB 2.0 Industry Standard
- Size = Standard
- A Series
- Receptacle
- Without Locking Feature

View all Features

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Documentation & Additional Information

Product Drawings:
- RECEPTACLE ASSEMBLY, RIGHT ANGLE, STACKED, THRU-HOLE... (PDF, English)

Catalog Pages/Data Sheets:
- None Available

Product Specifications:
- product specification for usb consortium plug & rece... (PDF, English)

Application Specifications:
- Universal Serial Bus (USB) Connectors (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)

Related Products:
- Tooling

List all Documents

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

Product Type Features:
- Size = Standard
- Gender = Receptacle
- Orientation = Right Angle
- LED = Without
- PCB Mount Retention Type = Kinked Leg(s)

Mechanical Attachment:
- Mount Location = Top
- Panel Ground Type = Ground Finger

Termination Features:
- Contact Termination Type = Through Hole
- Termination Method = Solder

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

Contact Features:
- Contact Plating, Mating Area, Material = Gold or Gold Flash over Palladium Nickel
- Contact Plating, Mating Area, Thickness (µm [µin]) = 0.76 [29.92]

Housing Features:
- Housing Color = Black

Configuration Features:
- Number of Ports = 2
- Panel Ground Location = Center
- Number of Positions = 4

Industry Standards:
- Industry Standard = USB 2.0
- RoHS/ELV Compliance = RoHS compliant, ELV compliant

- Tail Length (mm [in]) = 2.29 [0.09]

Body Features:
- Locking Feature = Without
- Panel Ground = With
- Shell Plating = Bright Tin
- Assembly Process Feature = Without Pick and Place Cover
- Locating Post(s) = Without

- Lead Free Solder Processes = Wave solder capable to 240°C
- RoHS/ELV Compliance History = Always was RoHS compliant
- USB-IF Test ID Number (TID) = Not Submitted For Testing

Conditions for Usage:
- Applies To = Printed Circuit Board

Packaging Features:
- Packaging Method = Tray

Other:
- Series = A
- Brand = AMP

Corporate Information

About TE

Investors

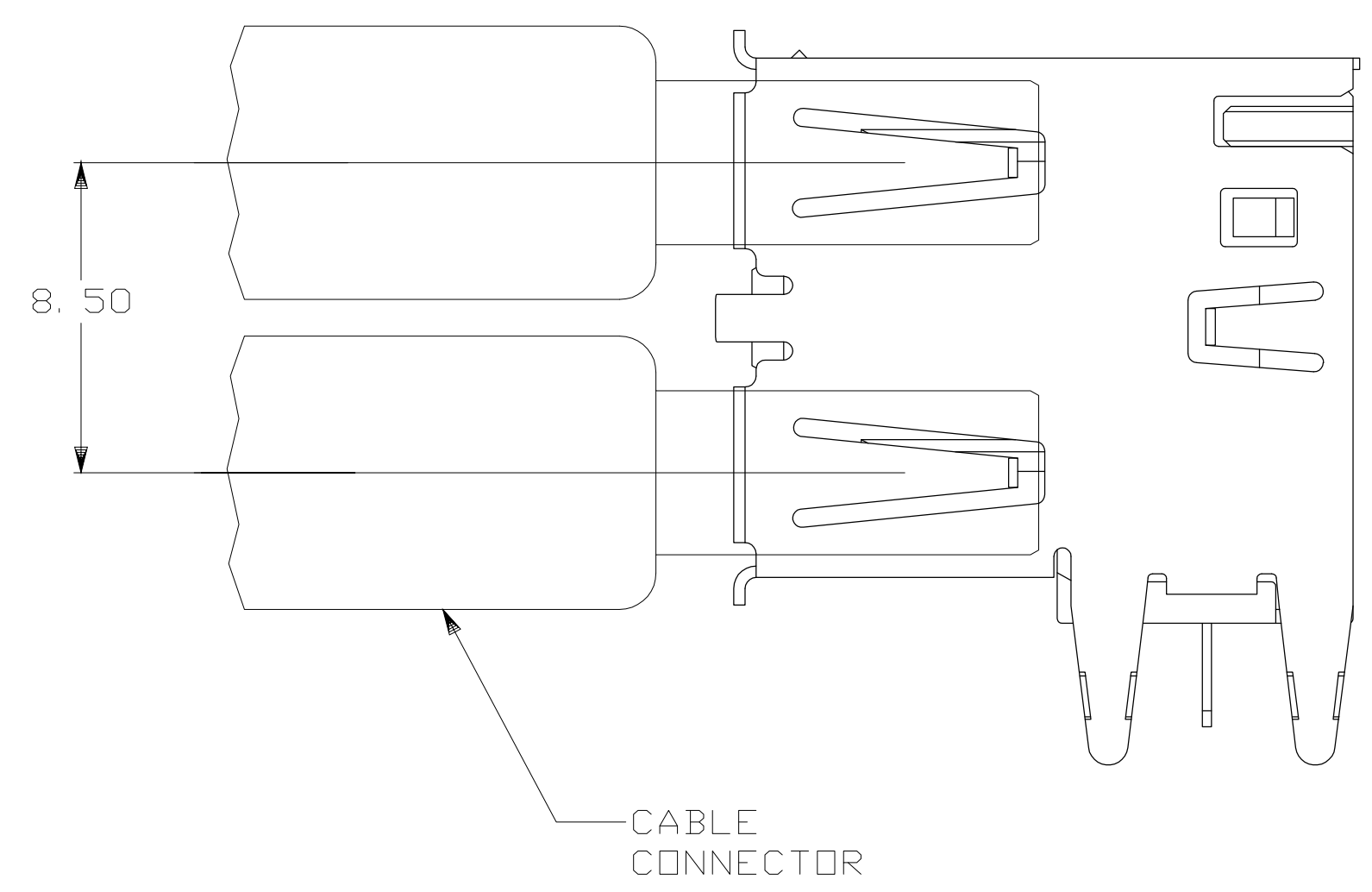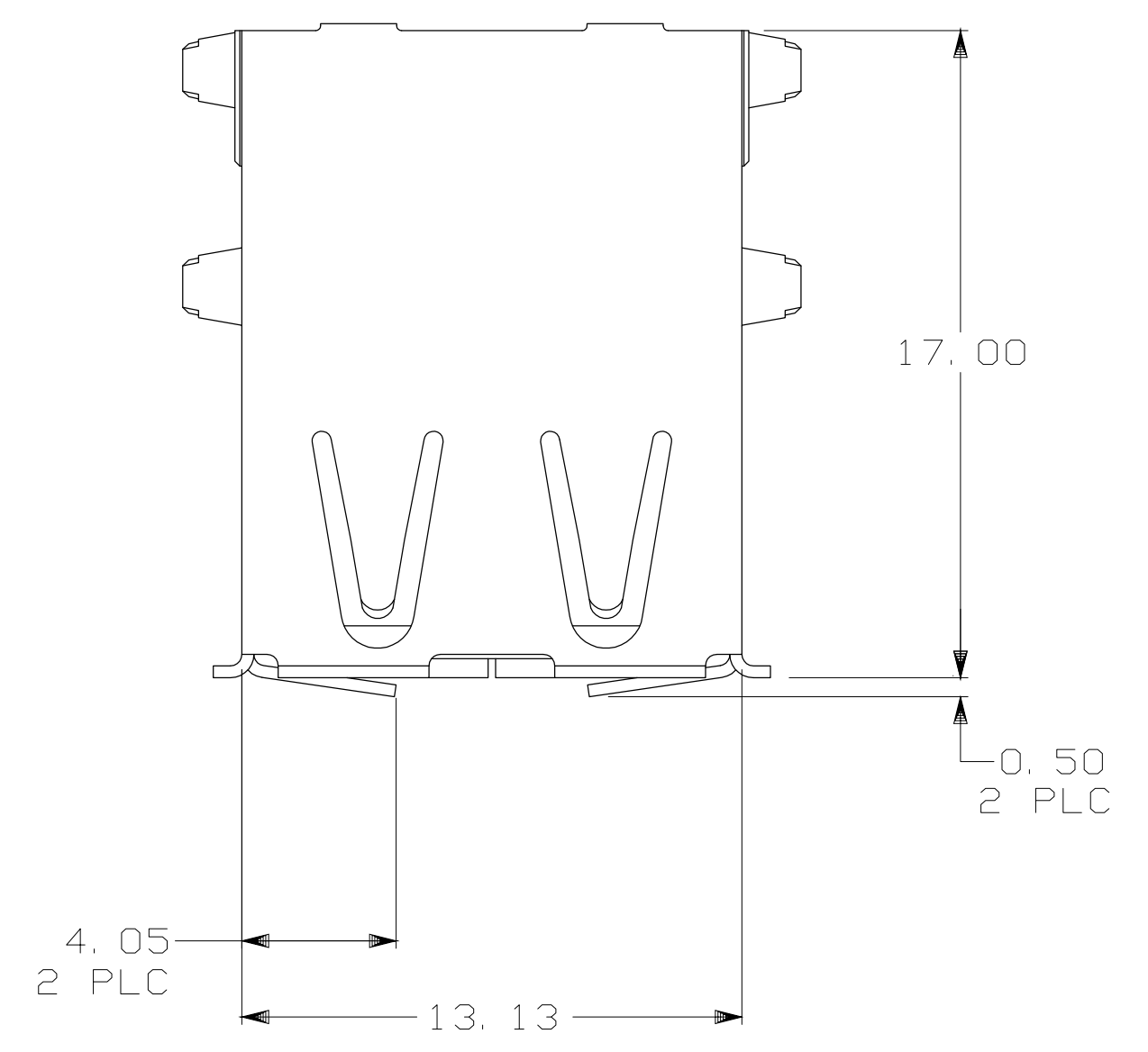News Room

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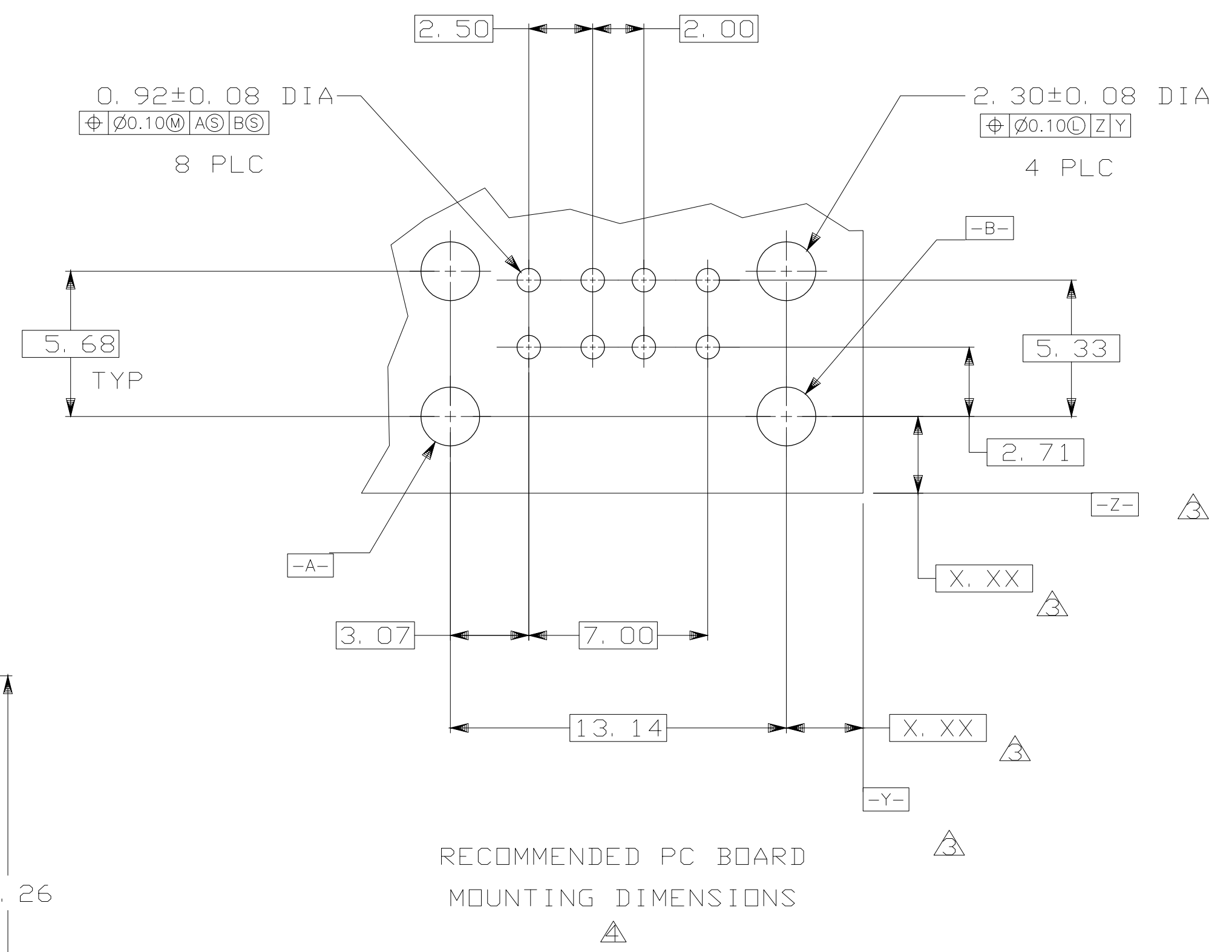
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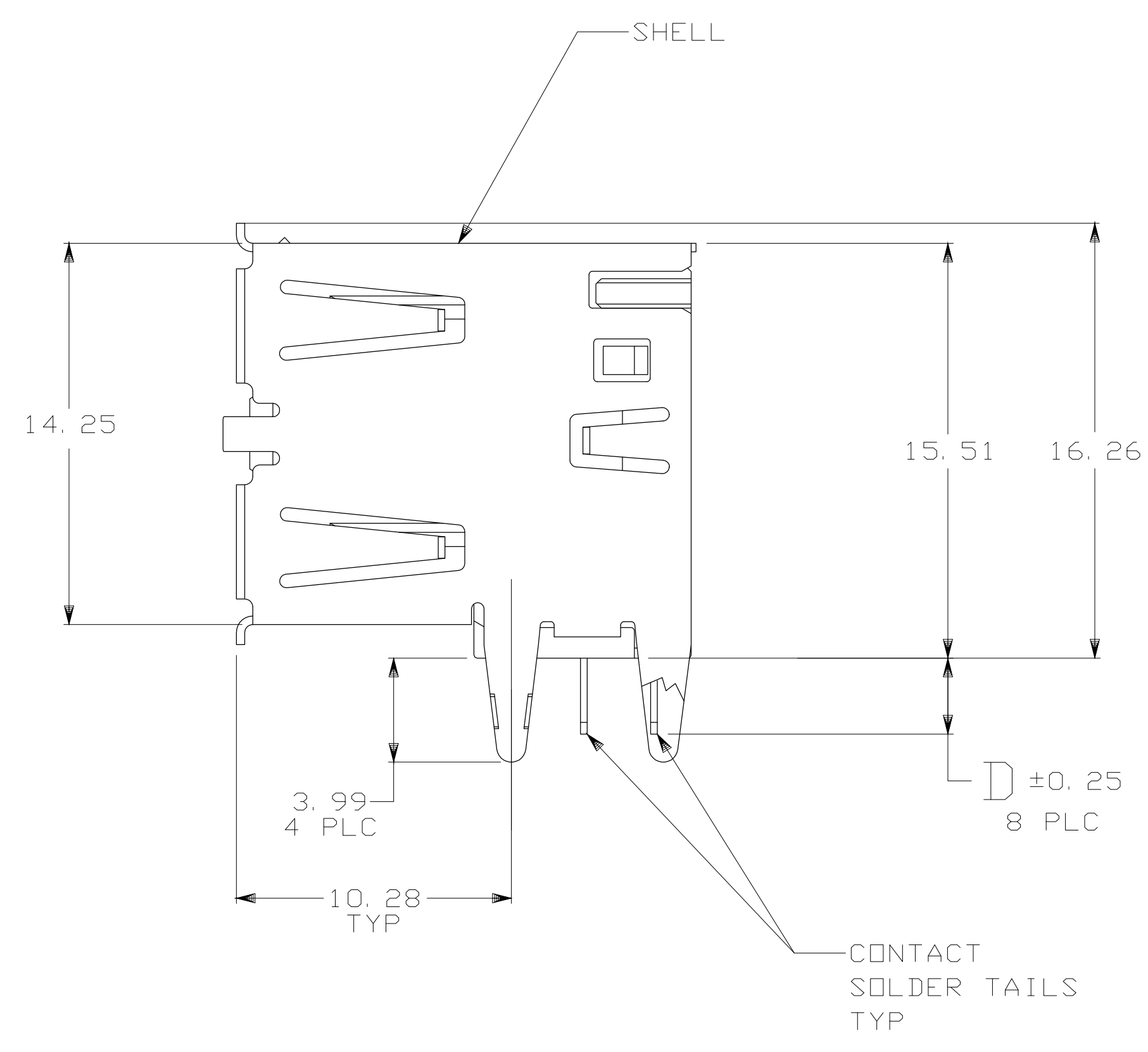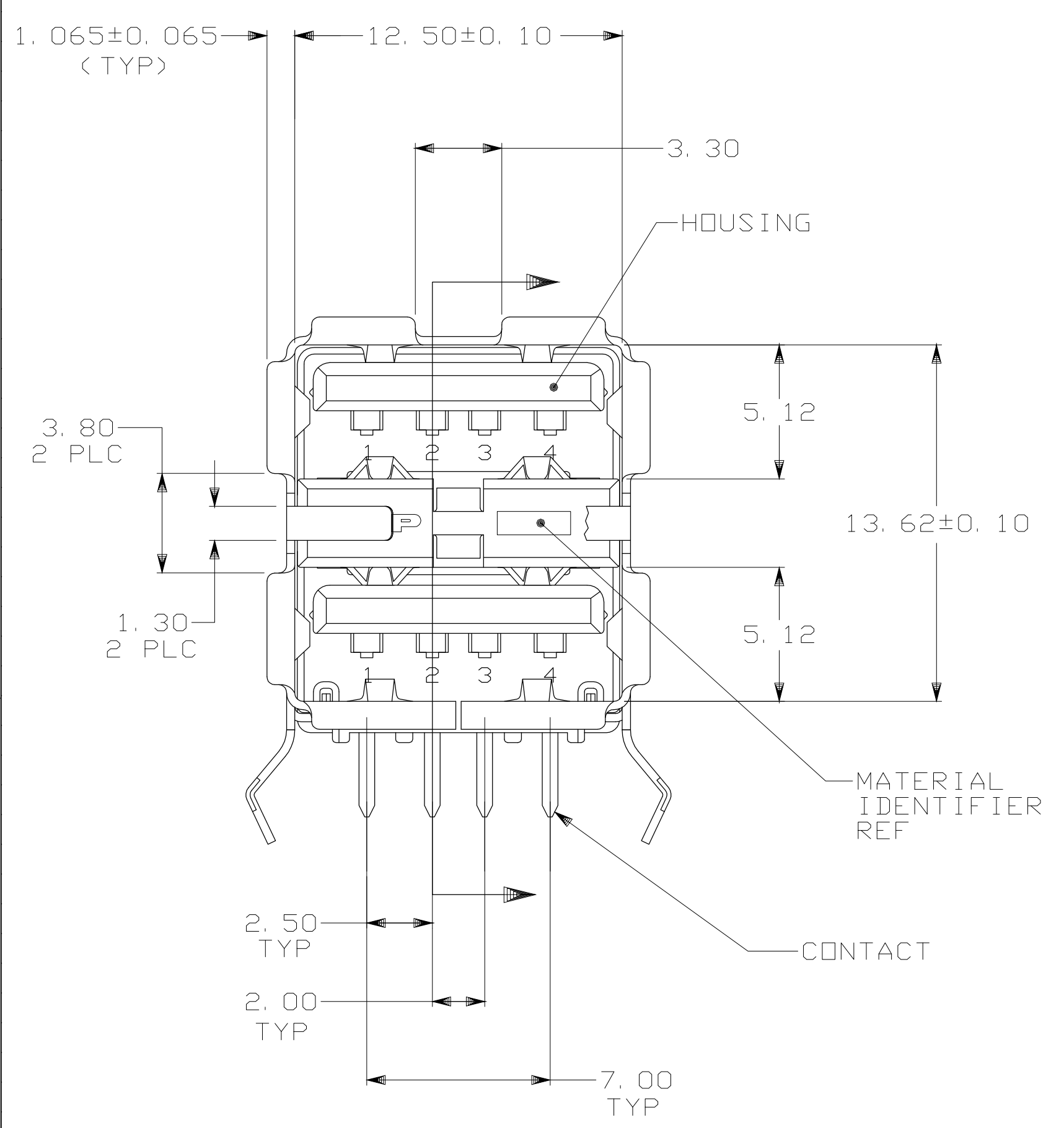
⚠ MATERIAL:
  SHELL & CONTACTS– COPPER ALLOY.
  HOUSING– UL 94V–0 RATED, THERMOPLASTIC, SEE TABLE.

⚠ PLATING:
  CONTACTS– 0.076 MICROMETERS MINIMUM GOLD OVER 0.76 MICROMETERS MINIMUM
  PALLADIUM–NICKEL ON MATING AREA. OR CONTACT ALTRENATE
  PLATING 0.76 MICROMETERS MINIMUM GOLD ON MATING AREA.
  3.80 MICROMETERS MINIMUM TIN ON SOLDER TAILS.
  BOTH OVER 1.27 MICROMETERS MINIMUM NICKEL.
  SHELL: 2~5μm THICK TIN

⚠ DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.

⚠ RECOMMENDED PC BOARD THICKNESS OF 1.57.

LEAD FREE

CABLE CONNECTOR

8.50

17.00

0.50 2 PLC

4.05 2 PLC

13.13

1.065±0.065 (TYP)

12.50±0.10

3.30

HOUSING

5.12

3.80 2 PLC

13.62±0.10

5.12

1.30 2 PLC

MATERIAL IDENTIFIER REF

CONTACT

2.50 TYP

2.00 TYP

7.00 TYP

CONTACT SOLDER TAILS TYP

SHELL

14.25

15.51   16.26

3.99 4 PLC

10.28 TYP

D ±0.25 8 PLC

0.92±0.08 DIA
⊕ ⌀0.10Ⓜ AⓈBⓈ
8 PLC

2.50   2.00

2.30±0.08 DIA
⊕ ⌀0.10Ⓛ ZY
4 PLC

–B–

5.68 TYP

5.33

–A–

2.71

–Z–

X.XX

3.07   7.00

13.14

X.XX

–Y–

RECOMMENDED PC BOARD
MOUNTING DIMENSIONS

HIGH TEMPERATURE COMPATIBLE	D	HOUSING COLOR	PART NUMBER
YES	2.29±0.25	BLACK	5787745-5
YES	2.84±0.25	BLACK	5787745-4
NO	2.84±0.25	NATURAL	5787745-3
NO	2.29±0.25	BLACK	5787745-2
NO	2.84±0.25	BLACK	5787745-1