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5747470-2 Product Details

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5747470-2

TE Internal Number: 5747470-2

✔ Active

📄 View 3D PDF

Standard Board Mount Connectors

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

Product Highlights:
- 37 Positions
- Connector Style = Plug
- PCB Mounting Orientation = Right Angle
- Product Series = HD 20
- Without Mating Connector Lock

View all Features

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Documentation & Additional Information

Product Drawings:
- PLUG ASSY, SIZE 4, 37 POSN, RIGHT ANGLE, .590 SERIES... (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 B)
- 3D Model (IGES, Version B)
- 3D Model (STEP, Version B)

Additional Information:
- Product Line Information

Related Products:
- Tooling
- Mating Products (2)

List all Documents

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 = Without
- PCB Mount Retention = With
- PCB Mount Retention Type = Mounting Hole(s)
- Shell Type = All Plastic
- Shell Size = 4
- Footprint (mm [in]) = 14.99 [.590]
- Grounding Indents = Without
- Grounding Straps = Without
- 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]

Mechanical Attachment:
- Panel Mount Retention = Without

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

Dimensions:
- PCB Thickness, Recommended (in [mm]) = 0.093 [2.36]

Contact Features:
- Contact Plating, Mating Area, Material = Gold (30)
- Contact Shape = Round
- Contact Base Material = Brass

Housing Features:
- Connector Style = Plug
- UL Flammability Rating = UL 94V-0
- Housing Material = Thermoplastic - GF

Configuration Features:
- Number of Positions = 37
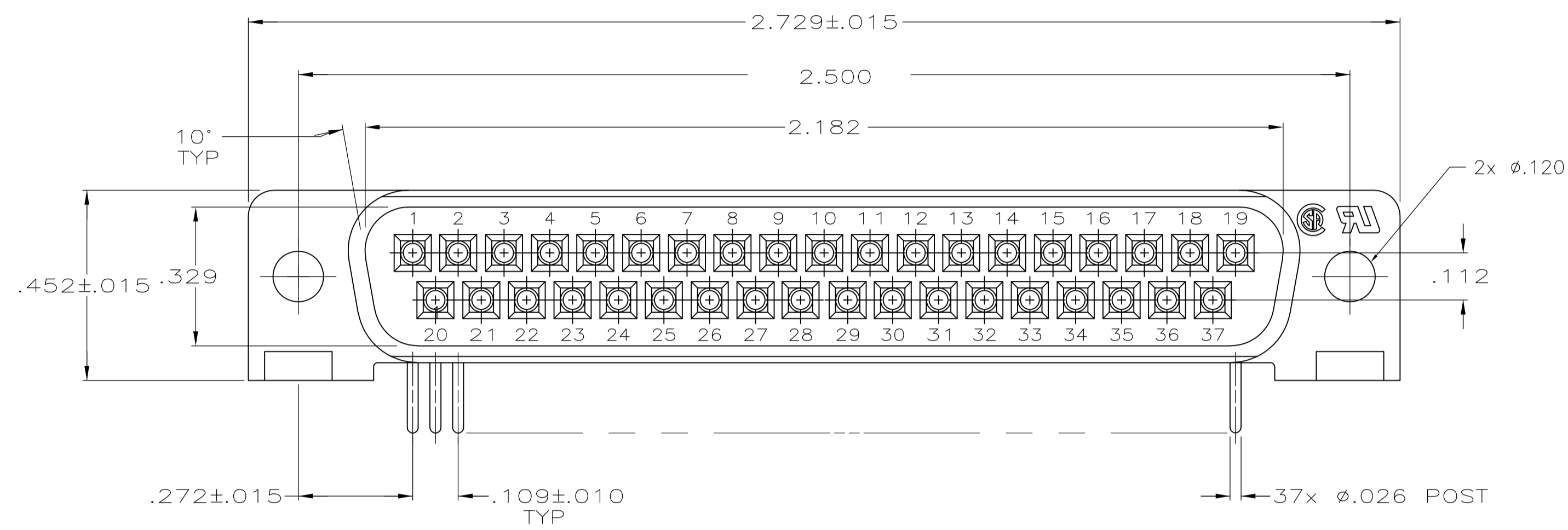
Industry Standards:
- RoHS/ELV Compliance = RoHS compliant, ELV compliant
- Lead Free Solder Processes = Wave solder capable to 260°C, Wave solder capable to 240°C, Wave solder capable to 265°C
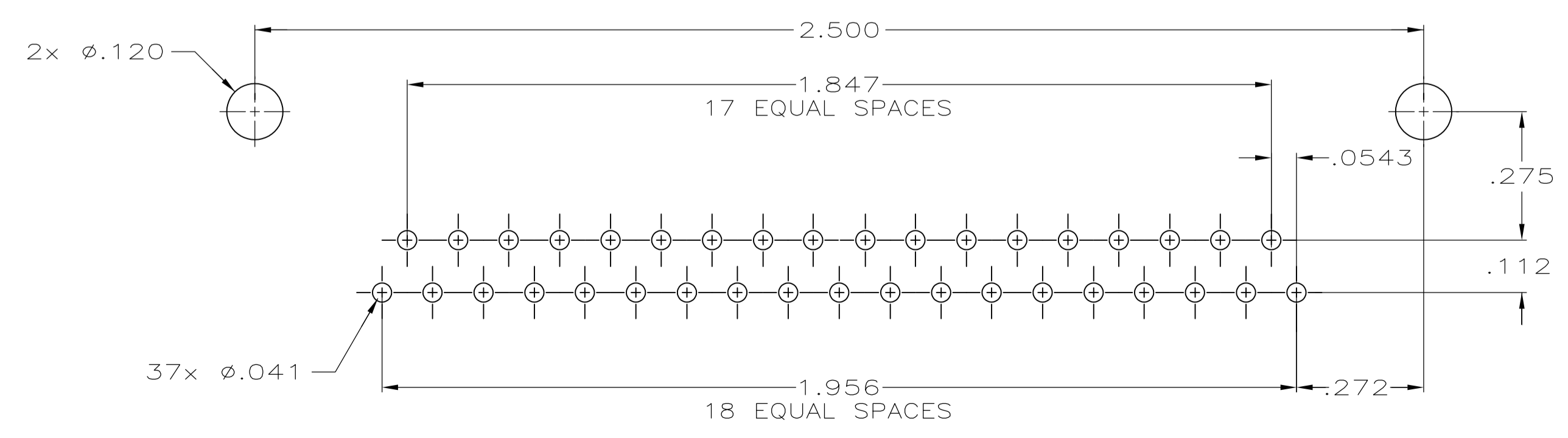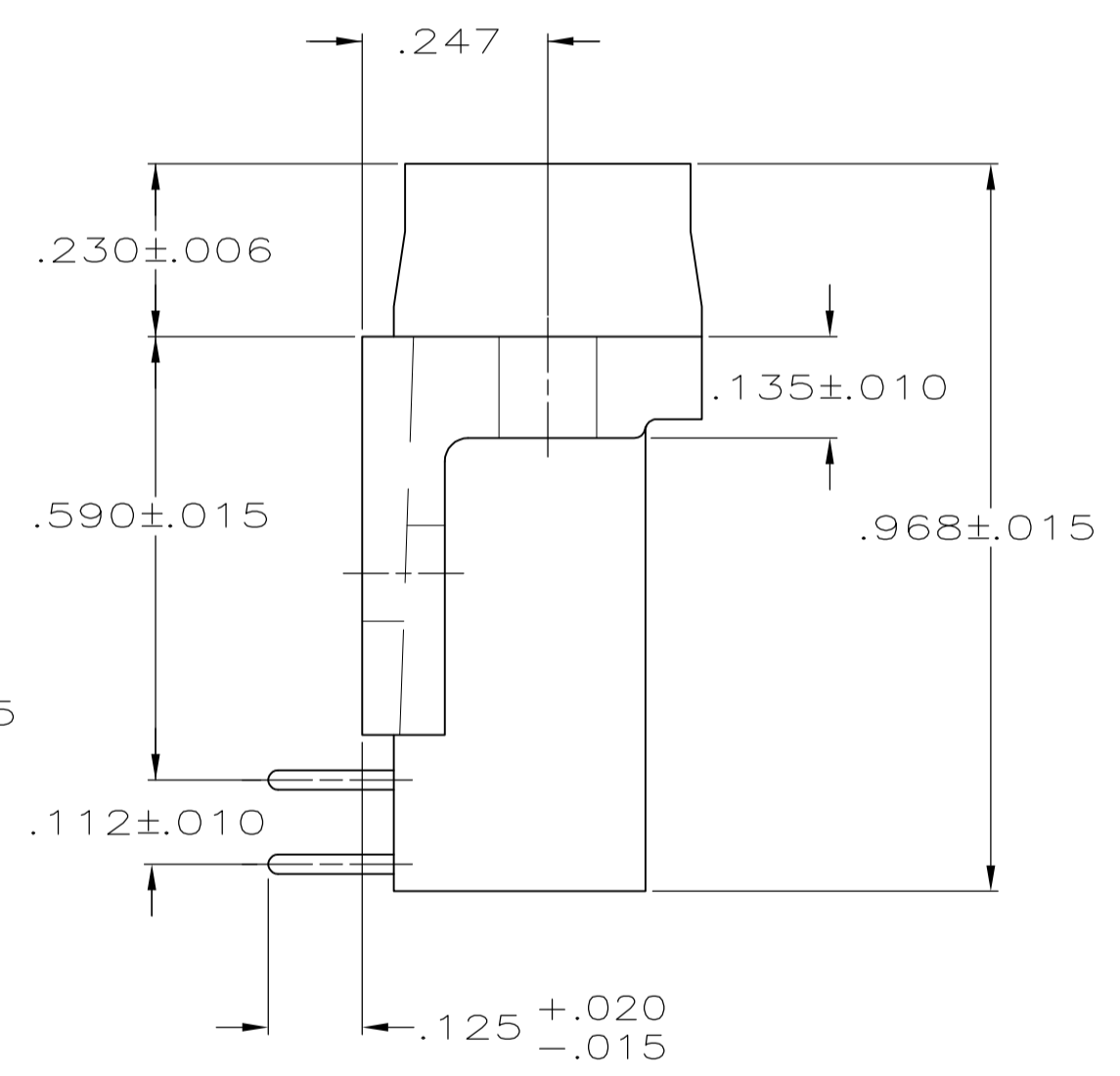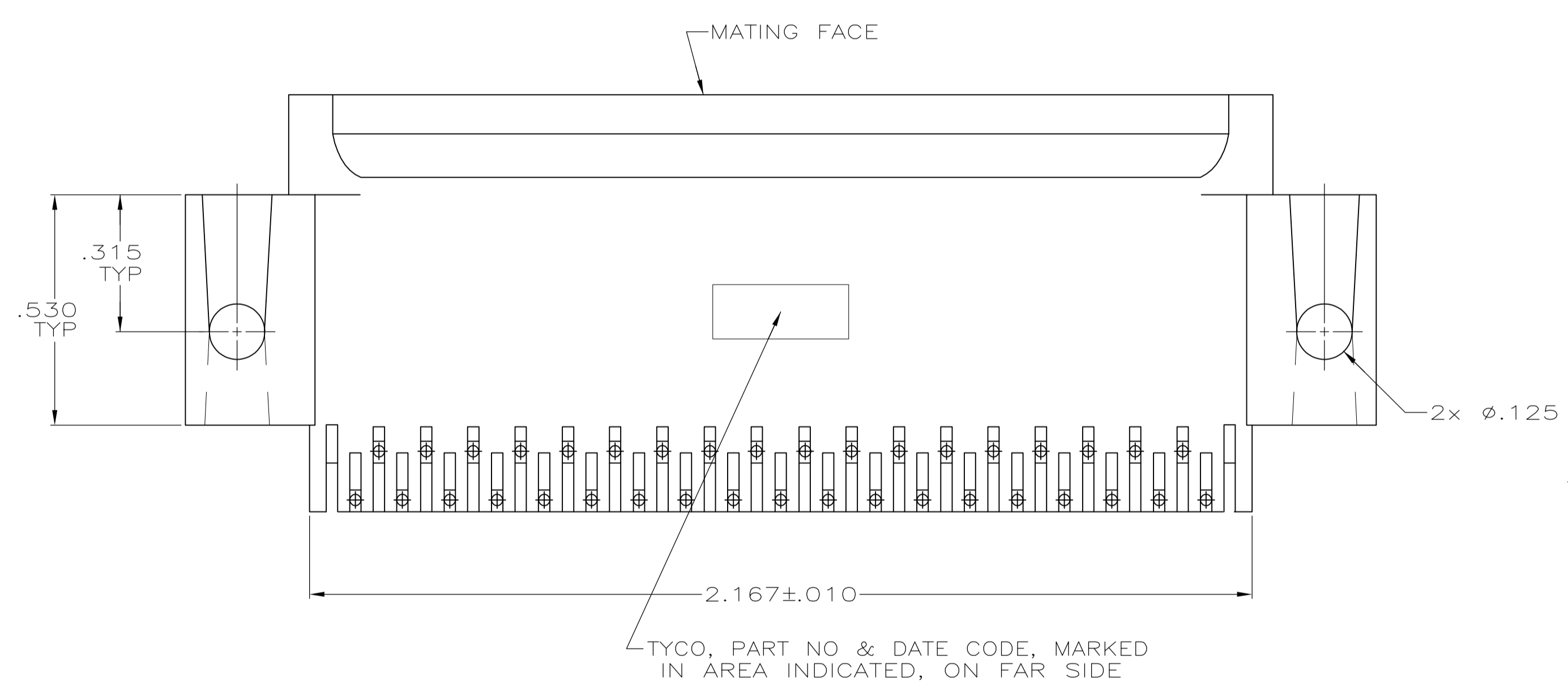- RoHS/ELV Compliance History = Always was RoHS compliant

Operation/Application:
- Application = Standard

Other:
- Brand = AMP
- Comment = Plugs are preloaded with size 20 DF posted pin contacts

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2.729±.015
2.500
2.182

10° TYP

.452±.015 .329

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19
20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37

2x Ø.120
.112

.272±.015
.109±.010 TYP
37x Ø.026 POST

MATING FACE

.315 TYP
.530 TYP

.247

.230±.006
.135±.010
.590±.015
.968±.015
.112±.010

2x Ø.125

2.167±.010

TYCO, PART NO & DATE CODE, MARKED IN AREA INDICATED, ON FAR SIDE

.125 +.020 / -.015

HOUSING: FLAME RETARDANT, 94V-0 RATED, GLASS FILLED, NYLON
         OR POLYESTER, COLOR: BLACK
         CONTACTS: BRASS

REFER TO APPLICATION SPEC FOR RECOMMENDED P.C. BOARD
MOUNTING DIMENSIONS FOR AUTOMATIC INSERTION.

CONTACTS: .000030 MIN GOLD PLATE ON THE MATING SURFACES, .000100 MIN
TIN PLATE ON THE SOLDER END, .000050 MIN NICKEL UNDERPLATE ON THE
ENTIRE CONTACT
-OR-
GOLD FLASH OVER PALLADIUM-NICKEL PLATE, .000030 MIN TOTAL ON THE
MATING SURFACES, .000100 MIN TIN PLATE ON THE SOLDER END, .000050 MIN
NICKEL UNDERPLATE ON THE ENTIRE CONTACT.

2.500
2x Ø.120
1.847
17 EQUAL SPACES
.0543
.275
.112
.272
37x Ø.041
1.956
18 EQUAL SPACES

RECOMMENDED P.C. BOARD MOUNTING DIMENSIONS

4805 (3/11)