

5747193-2 Product Details



5747193-2

TE Internal Number: 5747193-2



Standard Board Mount Connectors

 Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:

- 50 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 5, 50 POSITION, RIGHT ANGL...](#) (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 A)
- [3D Model](#) (IGES, Version A)
- [3D Model](#) (STEP, Version A)

Additional Information:

- [Product Line Information](#)

Related Products:

- [Tooling](#)
- [Mating Products \(1\)](#)

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, 4-40 UNC
- PCB Mount Retention = With
- PCB Mount Retention Type = Mounting Hole(s)
- Shell Type = Full Metal
- Shell Size = 5
- Footprint (mm [in]) = 13.84 [.545]
- Grounding Indents = Without
- Grounding Straps = Without
- PCB Mount Style = Through Hole
- Color Code = None
- Sealed = No
- Profile = High
- Post Size (mm [in]) = 0.64 [.025]
- Mounting Hole Diameter (mm [in]) = 3.05 [.120]
- Shell Material = Steel

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]

Body Features:

- Insert Material = Thermoplastic
- Shell Plating = Tin
- Female Screwlock Material = Steel
- Female Screwlock Plating = Zinc

Contact Features:

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

Housing Features:

- Connector Style = Receptacle

Configuration Features:

- Number of Positions = 50

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
- Insert Flammability Rating = UL 94V-0

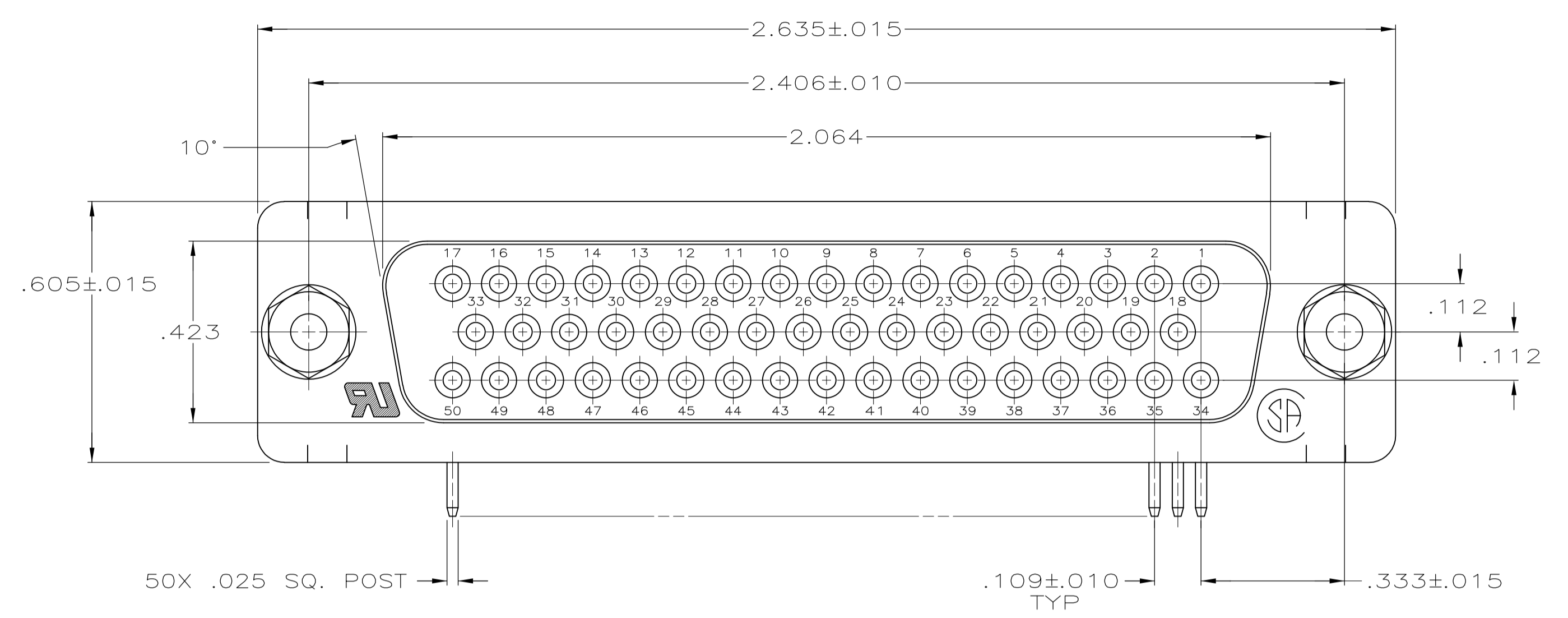
Operation/Application:

- Application = Standard

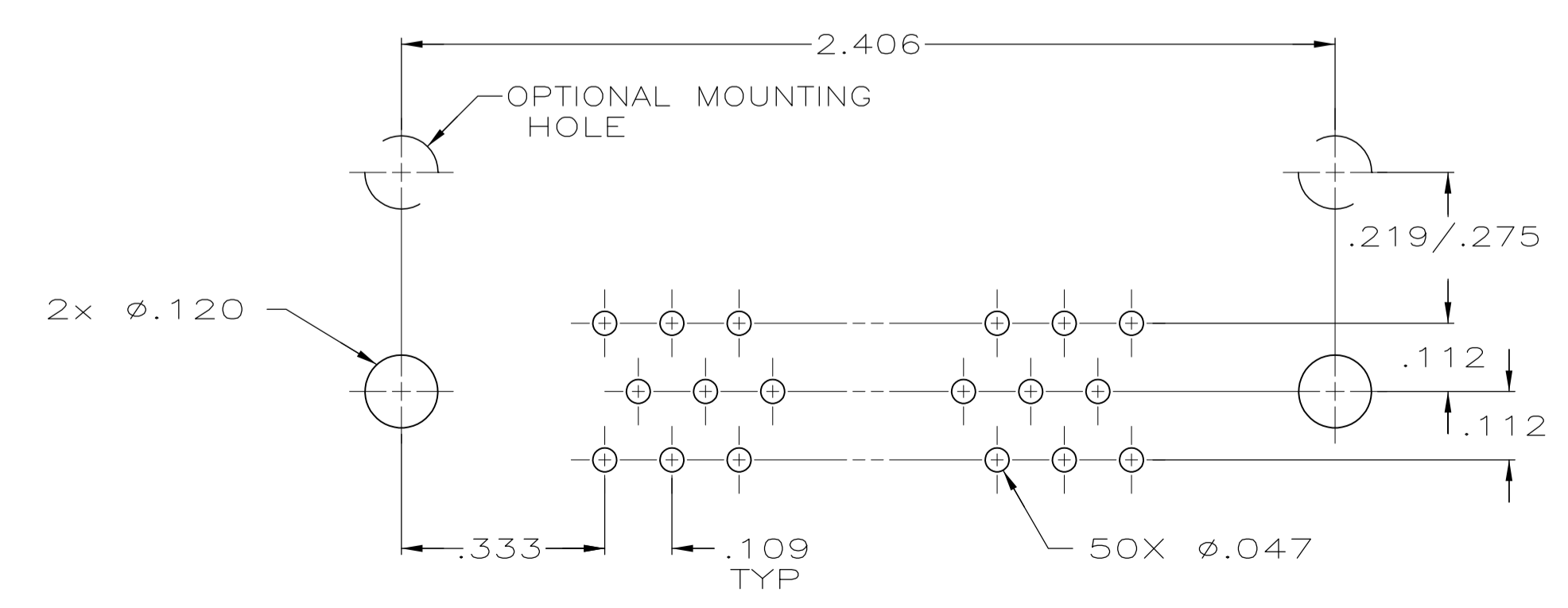
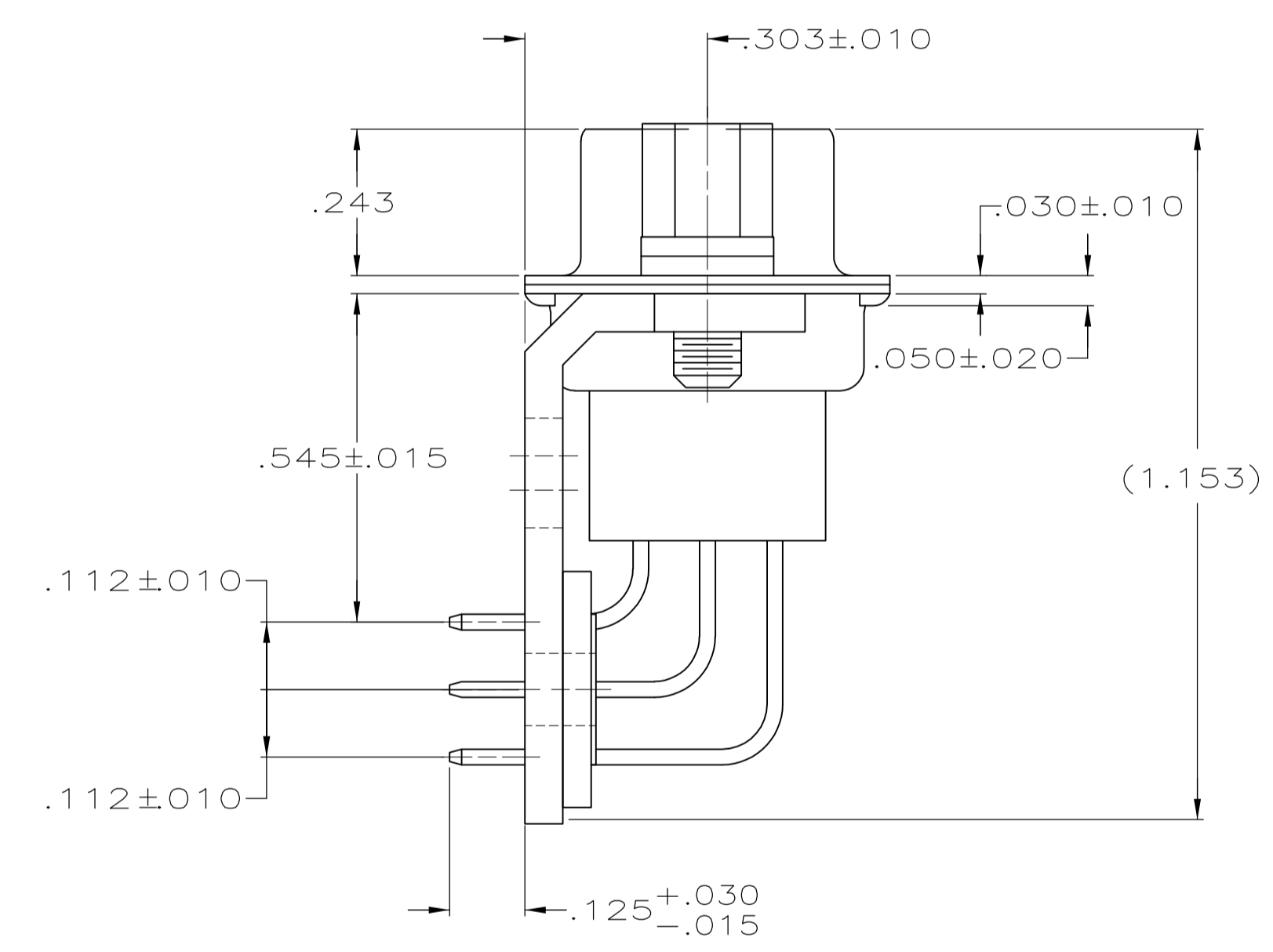
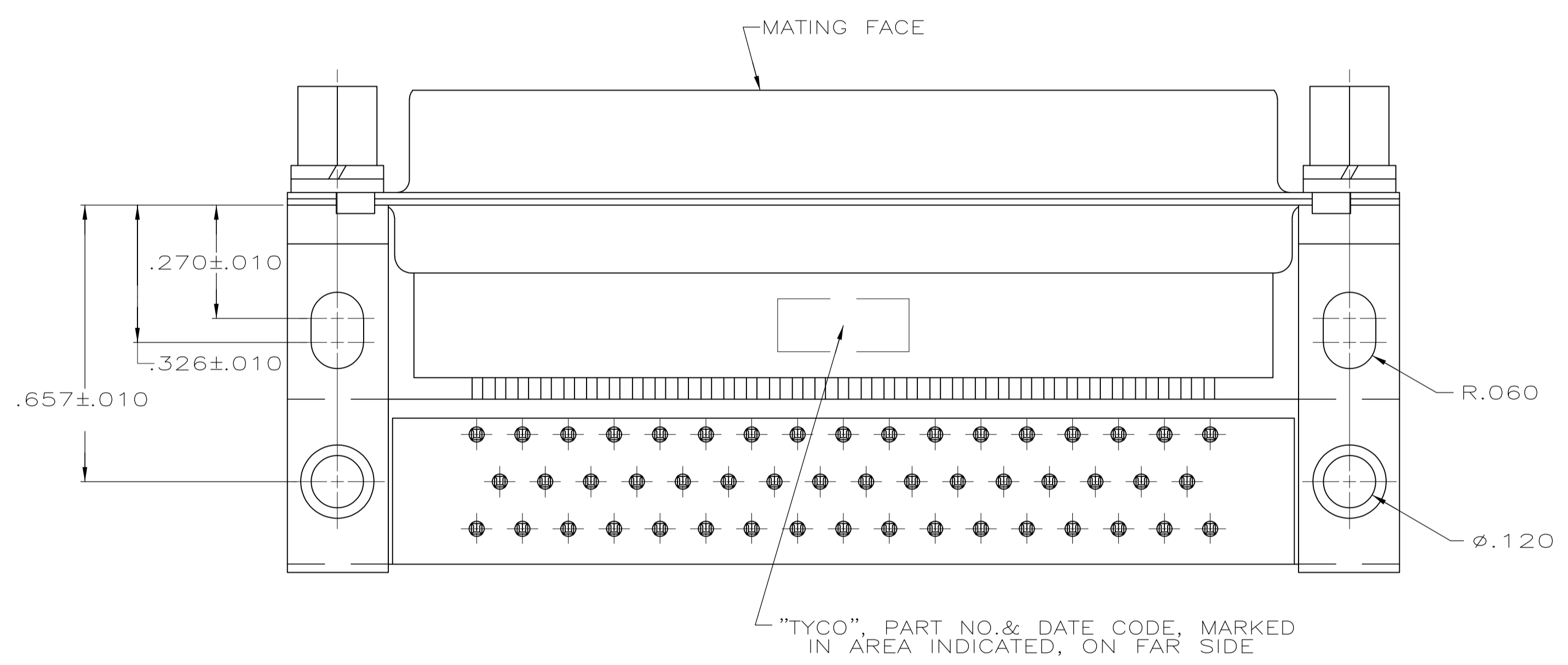
Other:

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

LOC		DIST		REVISIONS			
P	LTR	DATE	DATE	DMN	APVD		
A1	REVISED PER	ECO-11-004835	11MAR11	RK	HMR		



- 1 MOLDED PARTS: GLASS FILLED NYLON, UL94V-0 RATED, COLOR BLACK.
SHELLS & BRACKETS: CARBON STEEL.
CONTACTS: PHOS BRONZE
SCREWLOCKS AND WASHERS: CARBON STEEL.
- 2 SHELLS: .000200 MIN TIN OVER .000100 MIN COPPER.
BRACKETS: .000200 MIN TIN OVER .000050 MIN COPPER.
SCREWLOCKS AND WASHERS: ZINC PLATED WITH CLEAR CHROMATE COATING.
CONTACTS: SEE TABLE.
- 3 GOLD FLASH FOR A LENGTH OF .100 MINIMUM FROM MATING END, .000100 MINIMUM TIN ON OPPOSITE END, BOTH OVER .000050 MINIMUM NICKEL.
- 4 .000030 MINIMUM GOLD FOR A LENGTH OF .100 MIN FROM MATING END, .000100 MINIMUM TIN ON OPPOSITE END, BOTH OVER .000050 MIN NICKEL.
-OR-
GOLD FLASH OVER .000030 MINIMUM PALLADIUM NICKEL FOR A LENGTH OF .100 MIN FROM MATING END, .000100 MIN TIN ON OPPOSITE END, BOTH OVER .000050 MIN NICKEL.



P.C. BOARD MOUNTING DIMENSIONS

4	5747193-2
3	5747193-1
CONTACT FINISH	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED:	DIN D. HENNY 9-4-05	APVD M. WALMSLEY 9-4-05	NAME	RESTRICTED TO
0 PLC ± -	1 PLC ± -	2 PLC ± -	3 PLC ± .005	4 PLC ± ± 2'	FINISH 2
MATERIAL 1		SIZE A1		CAGE CODE 00779	DRAWING NO. 5747193
CUSTOMER DRAWING		SCALE 4:1	SHEET 1 OF 1	REV A1	

RECEPTACLE ASSEMBLY, SIZE 5, 50 POSITION, RIGHT ANGLE, .545 SERIES, .025 SQ. POSTS, WITH SCREWLOCKS, AMPLIMITE HDP