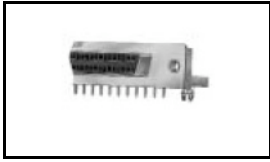


5787170-5 Product Details

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5787170-5

TE Internal Number: 5787170-5

Active

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.050 Series Board Mount Connectors

Always EU RoHS/ELV Compliant
(Statement of Compliance)

Product Highlights:

- Connector
- Connector Style = Receptacle
- 50 Positions
- PCB Mounting Orientation = Right Angle
- Termination Method to PC Board = Through Hole - Solder

[View all Features](#)

Quick Links

- ▶ [Pricing & Availability](#)
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- ▶ [View Mating Products \(8\)](#)
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Documentation & Additional Information

Product Drawings:

- [RECEPTACLE ASSEMBLY, SHIELDED, RIGHT ANGLE, .050 SER... \(PDF, English\)](#)

Catalog Pages/Data Sheets:

- [AMPLIMITE Subminiature D Connectors - .050 Series Co... \(PDF, English\)](#)

Product Specifications:

- [Connector, AMPLIMITE, Shielded, .050 Series \(PDF, English\)](#)

Application Specifications:

- [AMPLIMITE .050 Series Cable End Insulation Displacem... \(PDF, English\)](#)

Instruction Sheets:

- None Available

CAD Files: (CAD Format & Compression Information)

- [2D Drawing \(DXF, Version B\)](#)
- [3D Model \(IGES, Version B\)](#)
- [3D Model \(STEP, Version B\)](#)

[List all Documents](#)

Additional Information:

- [Product Line Information](#)

Related Products:

- [Tooling](#)
- [Mating Products \(8\)](#)

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

Product Type Features:

- [Product Type](#) = Connector
- PCB Mounting Orientation = Right Angle
- PCB Mount Retention = With
- PCB Mount Retention Type = Boardlock(s)
- [PCB Mount Alignment](#) = Without
- [Shell Type](#) = Full Metal
- [Product Series](#) = Series III

Mechanical Attachment:

- Boardlock Material = Copper Alloy
- Boardlock Plating = Tin over Nickel

Termination Features:

- Termination Method to PC Board = Through Hole -

Contact Features:

- [Contact Plating, Mating Area, Material](#) = Gold (30), Gold Flash over Palladium Nickel
- Contact Base Material = Phosphor Bronze

Housing Features:

- Connector Style = Receptacle
- Mating Alignment = Without
- Centerline (mm [in]) = 1.27 [0.050]
- Housing Material = Thermoplastic - GF
- UL Flammability Rating = UL 94V-0
- Housing Color = Black

Configuration Features:

- [Number of Positions](#) = 50

Solder

- [Termination Post Length \(mm \[in\]\)](#) = 2.54 [0.100]

Dimensions:

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

Body Features:

- [Mating Retention](#) = Without
- [Post Plating](#) = Tin over Nickel
- [Shell Material](#) = Steel
- [Shell Plating](#) = Bright Tin
- [Bracket Material](#) = Zinc
- [Bracket Plating](#) = Nickel over Copper

- [Shielded](#) = Yes

Industry Standards:

- [RoHS/ELV Compliance](#) = RoHS compliant, ELV compliant
- [Lead Free Solder Processes](#) = Reflow solder capable to 245°C, Reflow solder capable to 260°C
- [RoHS/ELV Compliance History](#) = Always was RoHS compliant

Other:

- [Brand](#) = AMP
- [Comment](#) = Female screwlocks must be used to mate with cable assemblies with male jackscrew hardware.

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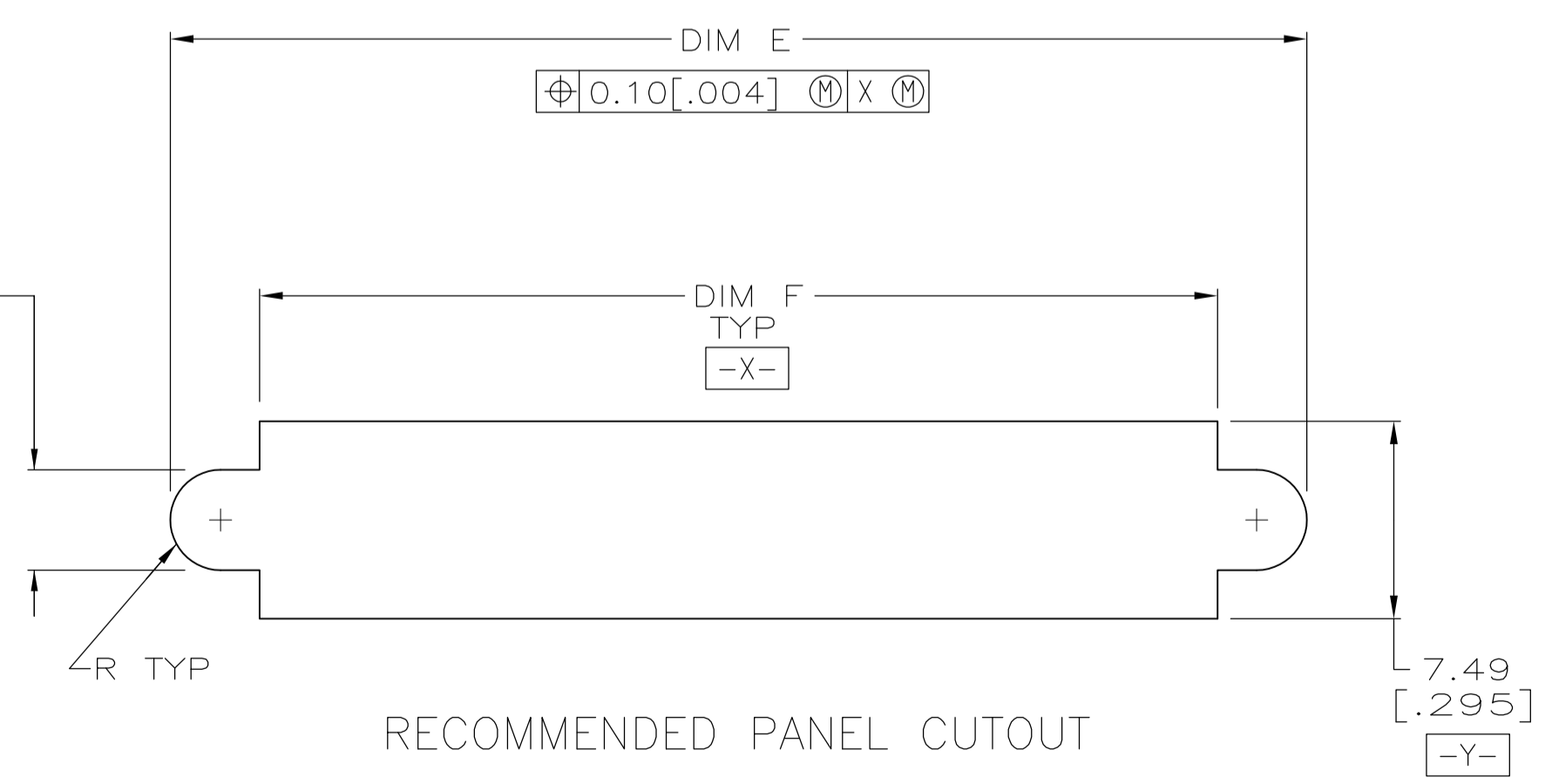
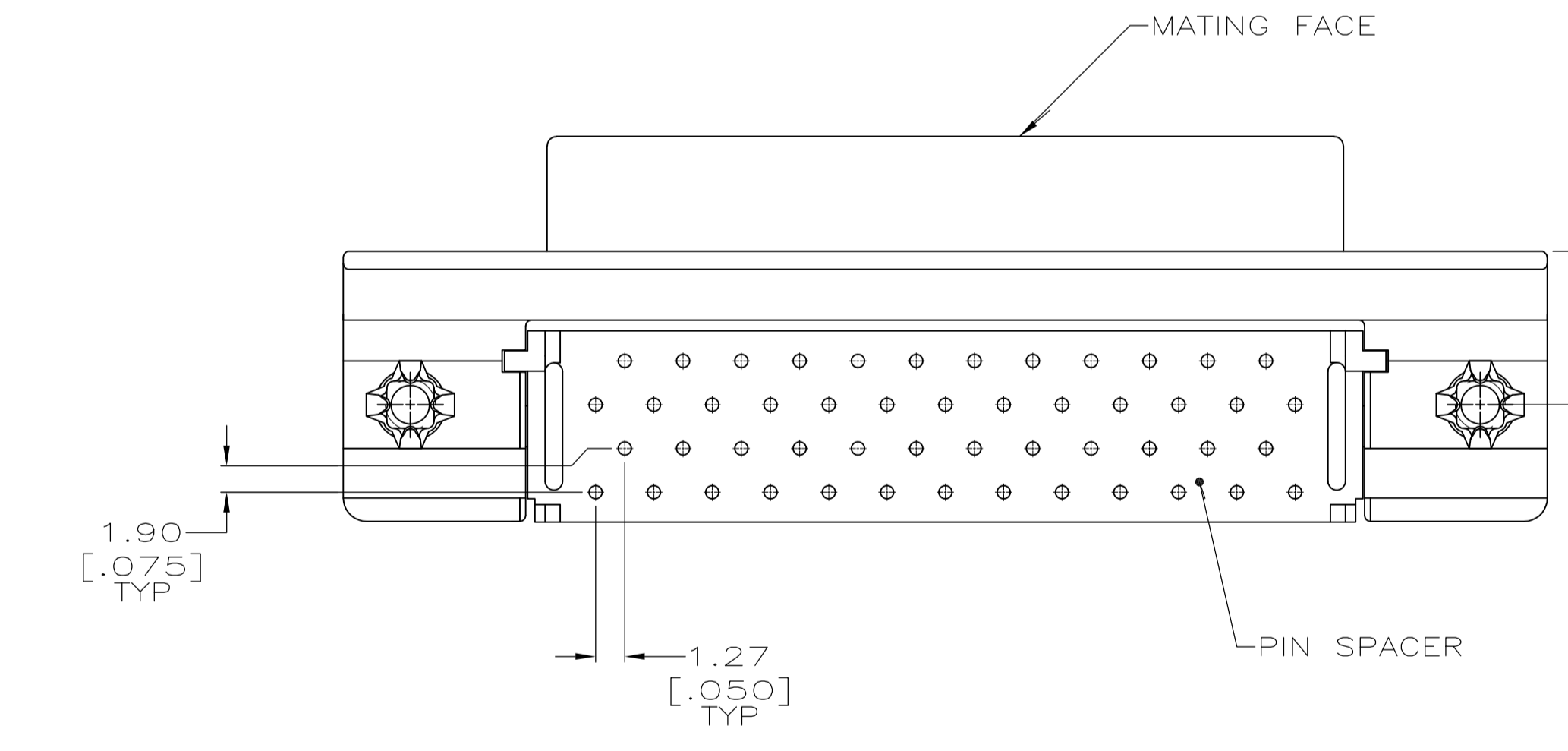
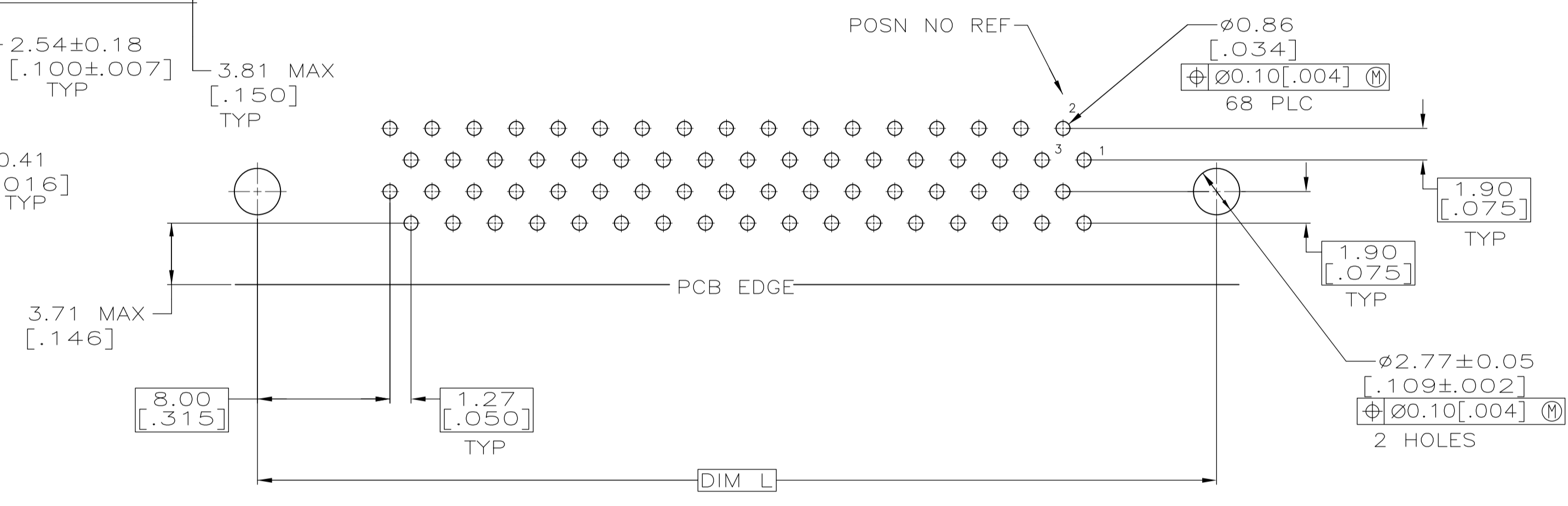
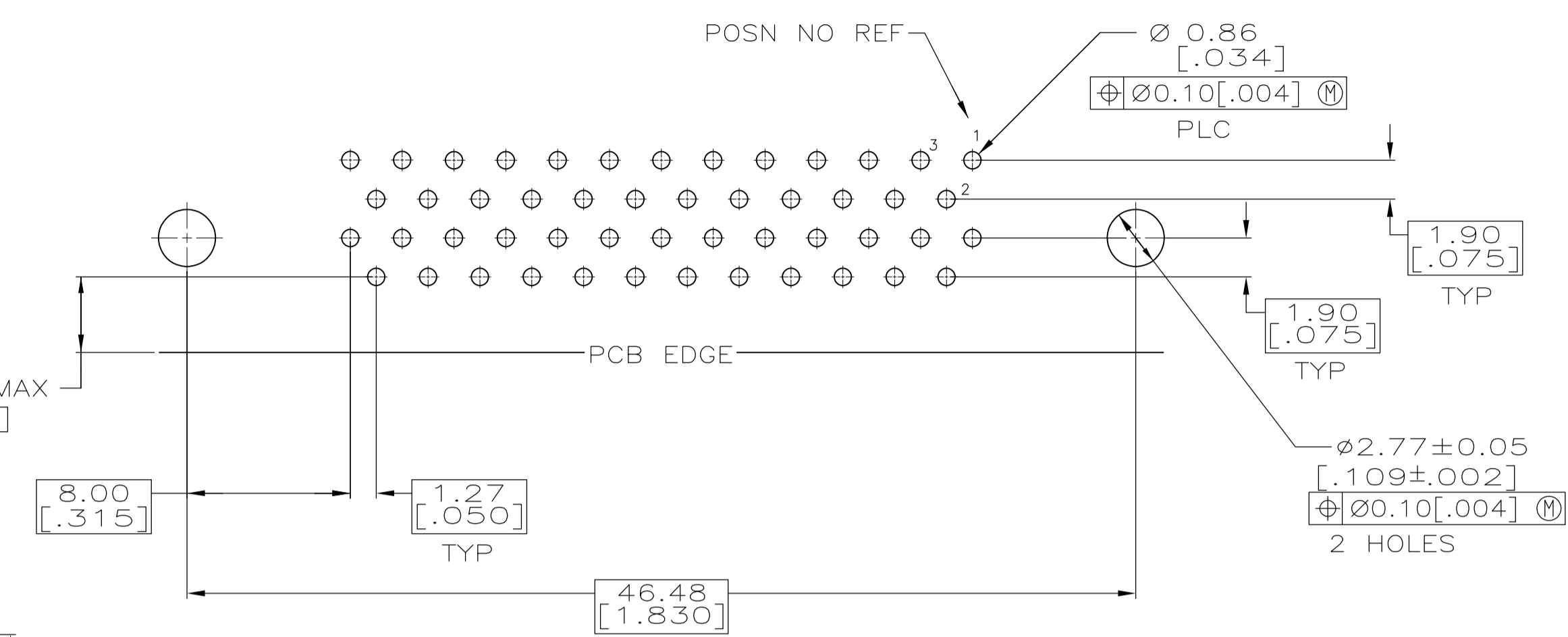
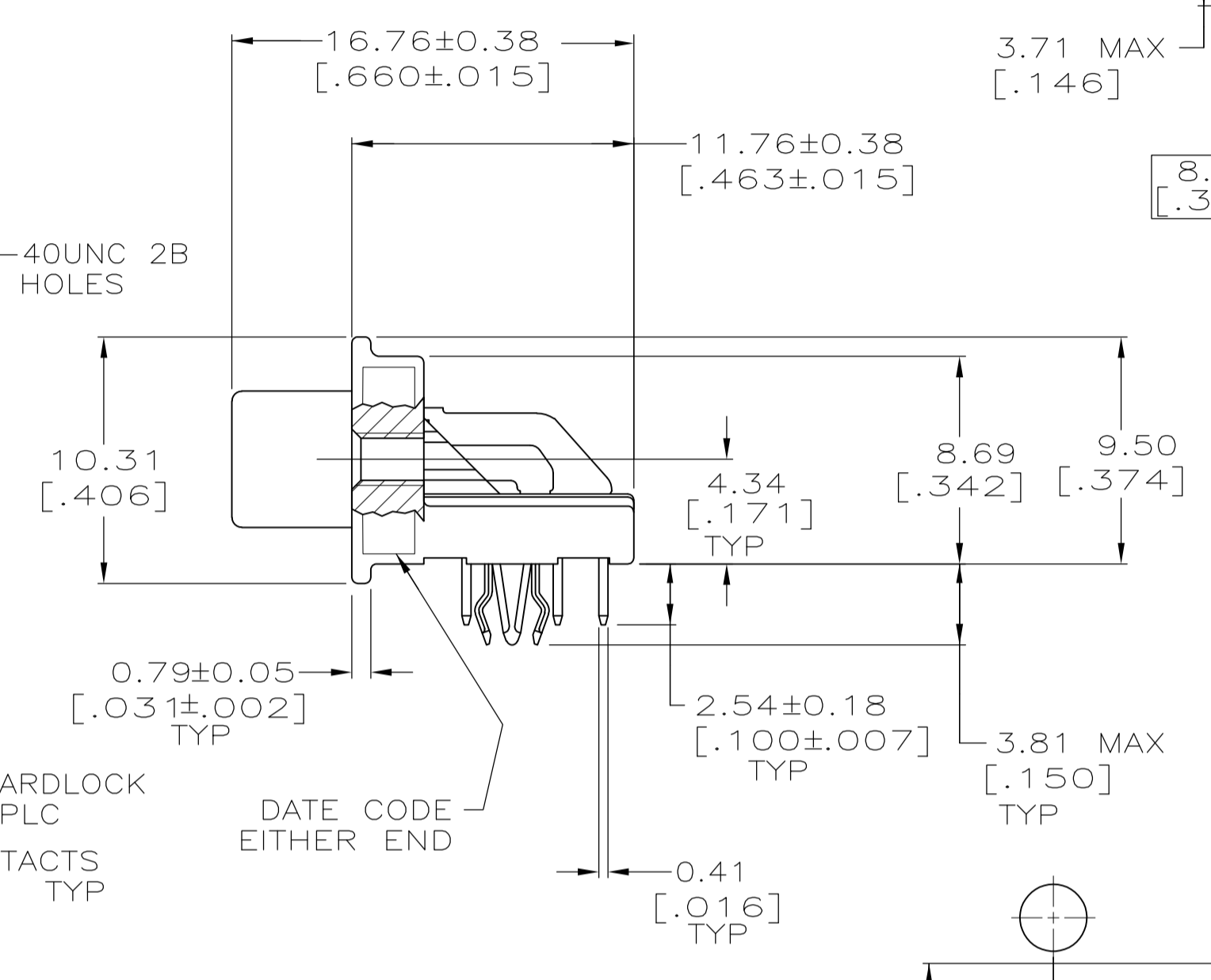
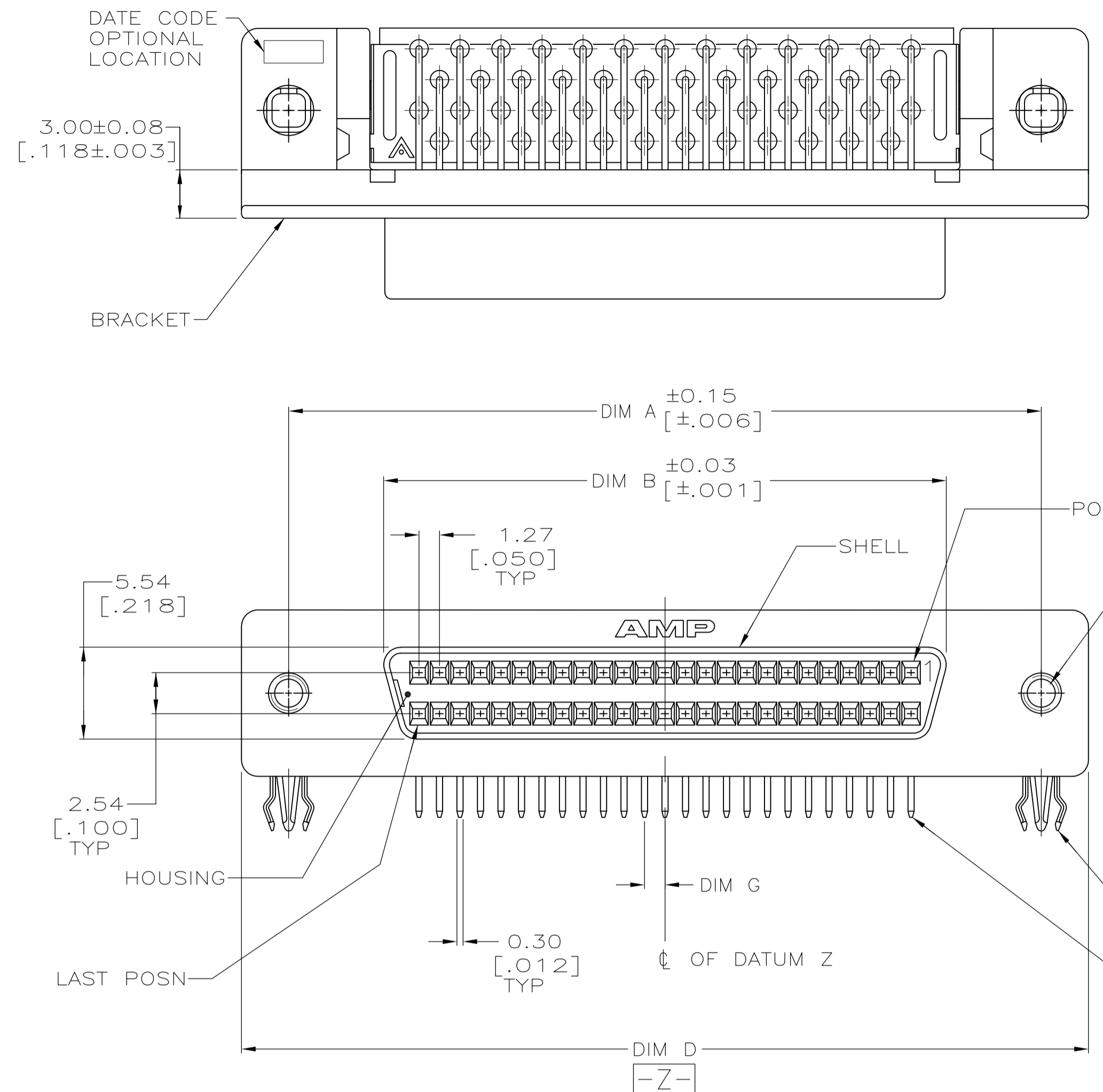
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Keep Me Informed





- 1 CONTACTS: PHOSPHOR BRONZE
HOUSING & PIN SPACER: UL 94V-0 RATED, THERMOPLASTIC, BLACK
BRACKET: ZINC
SHELL: CARBON STEEL
BOARDLOCKS: COPPER ALLOY
- 2 CONTACTS: EITHER 0.76µm [.000030] MIN GOLD PLATE FOR A LENGTH OF 0.64 [.025] MAX, 0.13 [.005] MIN FROM MATING END OR GOLD FLASH OVER PALLADIUM NICKEL PLATE, 0.76µm [.000030] MIN TOTAL FOR A LENGTH OF 0.64 [.025] MAX, 0.13 [.005] MIN FROM MATING END. 3.81µm [.000150] MIN TIN ON OPPOSITE END FOR A LENGTH OF 2.72 [.107] MIN, BOTH OVER 1.27µm [.000050] MIN NICKEL.
SHELL: 5.08µm [.000200] MIN NICKEL OVER 1.27µm [.000050] MIN COPPER.
BRACKET: 2.54µm [.000100] MIN NICKEL OVER 5.08µm [.000200] COPPER.
BOARDLOCKS: 5.08µm [.000200] MIN TIN OVER 1.27µm [.000050] MIN NICKEL.

T	78.23 [3.080]	0.64 [.025]	69.44 [2.734]	82.04 [3.230]	84.20 [3.315]	66.45 [2.616]	78.23 [3.080]	100	5787170-9
T	57.91 [2.280]	0.64 [.025]	61.72 [2.430]	63.88 [2.515]	46.13 [1.816]	57.91 [2.280]	68	5787170-7	
S	-	1.27 [.050]	37.69 [1.484]	50.29 [1.980]	52.45 [2.065]	34.70 [1.366]	46.48 [1.830]	50	5787170-5
T	40.13 [1.580]	0.64 [.025]	36.78 [1.448]	43.56 [1.715]	46.10 [1.815]	28.35 [1.116]	40.13 [1.580]	40	5787170-4
PC BOARD PATTERN	L	G	F	E	D	B	A	NO OF POSN	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIN G. ATTADIA - 02-14-05
CHK J. GERACE
APVD M. WALMSLEY - 02-14-05

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± -
1 PLC ± -
2 PLC ± 0.13 [.005]
3 PLC ± -
4 PLC ± -
ANGLES ± -

MATERIAL 1 FINISH 2

RECEPTACLE ASSEMBLY, SHIELDED, RIGHT ANGLE, .050 SERIES, AMPLIMITE

108-1228

114-40029

SIZE A1 CASE CODE 00779 DRAWING NO. 5787170

RESTRICTED TO

CUSTOMER DRAWING SCALE 4:1 SHEET 1 OF 1 REV B1