![TE connectivity]

My Cart | My Part Lists | Sign In/Register   **English** (Change)

Have a Question?
Chat with a Product
Information Specialist

What can we help you find?

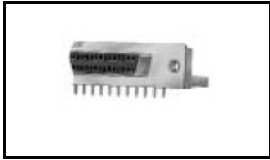| Products | Industries | Resources | About TE | My Account | Innovation | Support Center |

5787169-7 Product Details

Share   **Print**   **Email**

5787169-7

TE Internal Number: 5787169-7

✔ Active

📄 View 3D PDF

.050 Series Board Mount Connectors

🍃 Always EU RoHS/ELV Compliant

(Statement of Compliance)

Product Highlights:
- Connector
- Connector Style = Receptacle
- 68 Positions
- PCB Mounting Orientation = Right Angle
- Termination Method to PC Board = Through Hole - Solder

View all Features

┌─**Quick Links**─────────────┐
- Pricing & Availability
- Search for Tooling
- View Mating Products (8)
- 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, RIGHT ANGLE, SHIELDED, 1.27[.05... (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 = Without
- PCB Mount Alignment = Without
- Shell Type = Full Metal
- Product Series = Series III

Termination Features:
- Termination Method to PC Board = Through Hole - Solder
- Termination Post Length (mm [in]) = 2.54 [0.100]

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

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 = 68

[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.

Corporate Information

About TE

Investors

News Room

Supplier Portal

Careers

Terms & Conditions

Privacy Policy

Quick Links
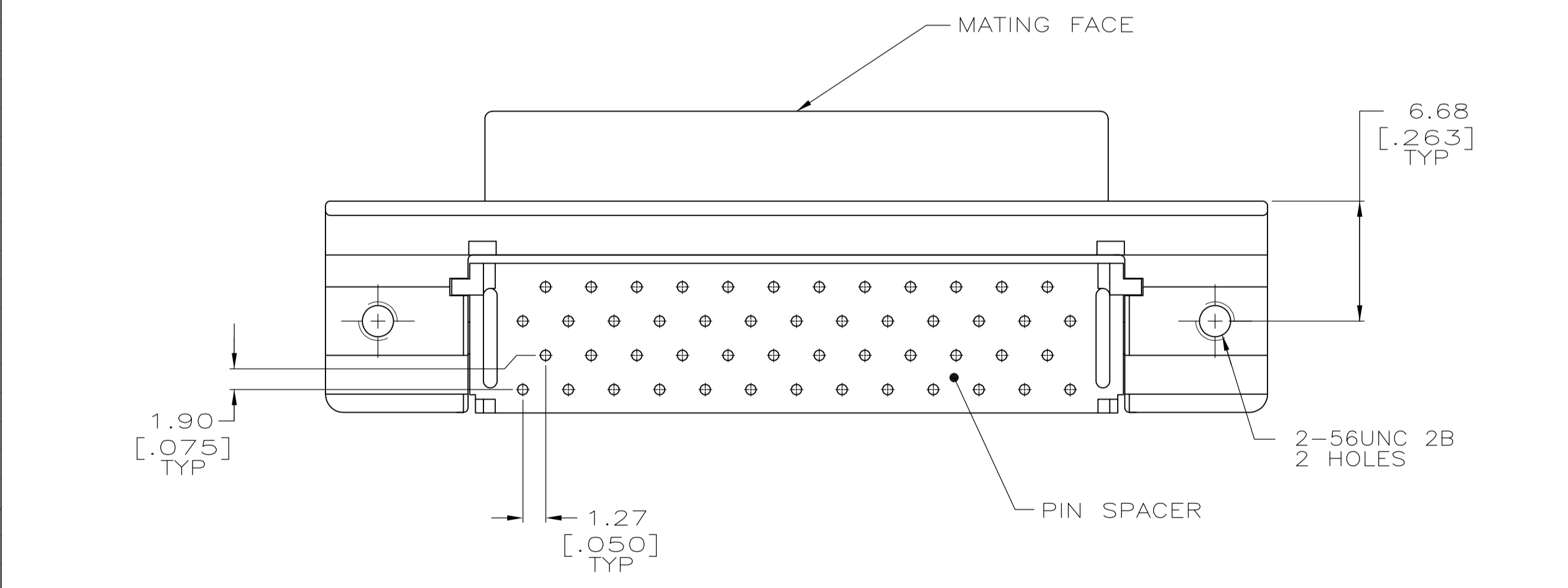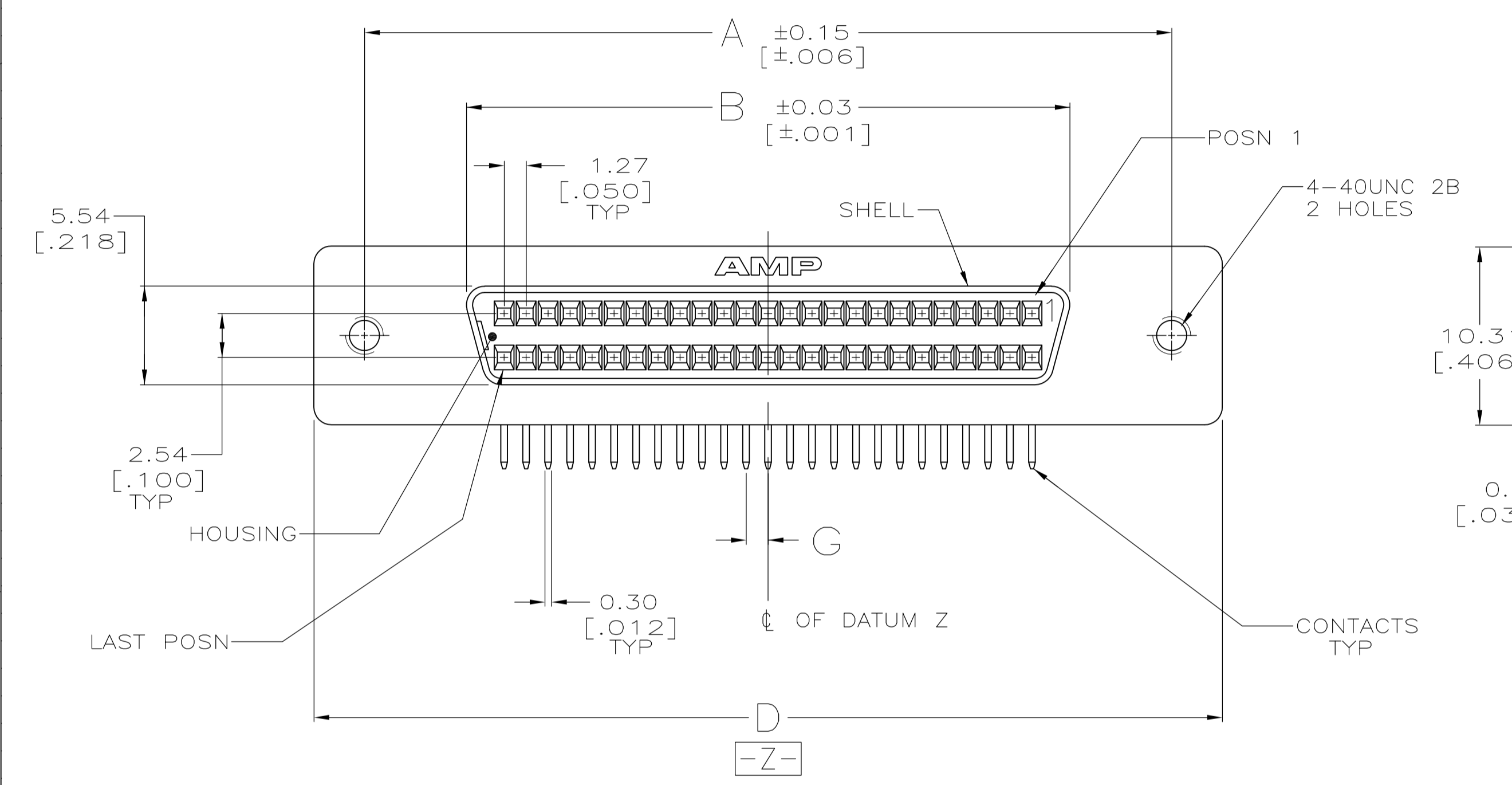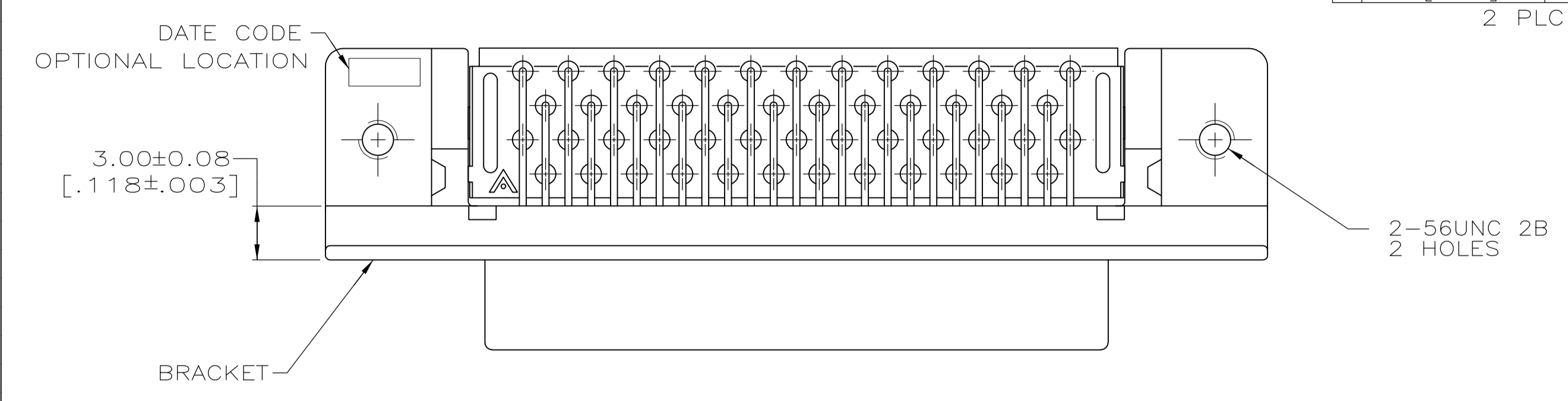
Distributor Inventory

Product Cross Reference

Documents & Drawings

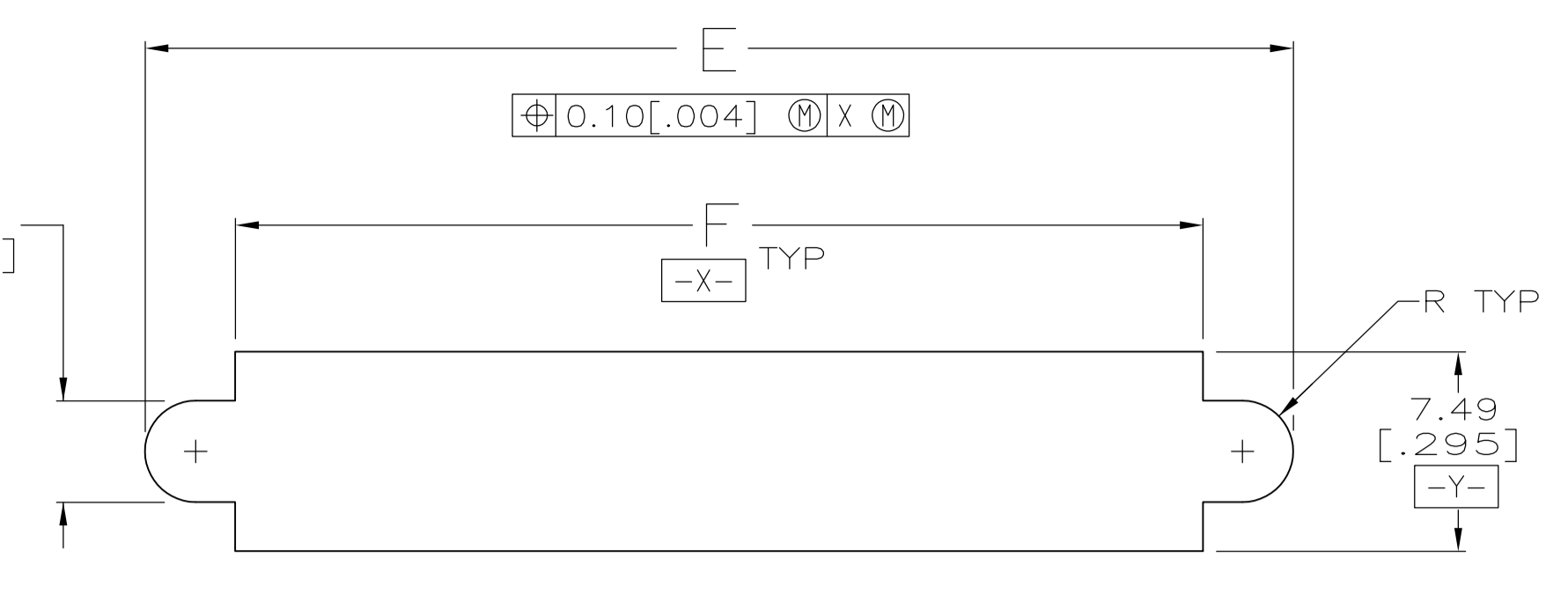Product Compliance Support Center

Site Map

Customer Support

Email or Chat With Us

Find a Phone Number

Knowledge Base

Manage Your Account

Keep Me Informed

Provide Website Feedback

LOC	DIST	REVISIONS
GP	00	

P	LTR	DESCRIPTION	DATE	DWN	APVD
	C1	REVISED PER ECO-11-004835	11MAR11	RK	HMR

DATE CODE
OPTIONAL LOCATION

3.00±0.08
[.118±.003]

BRACKET

2-56UNC 2B
2 HOLES

E
⊕ 0.10[.004] Ⓜ X Ⓜ

3.81±0.05
[.150±.002]
⊕ 0.10[.004] Ⓜ Y Ⓜ
2 PLC

F TYP
-X-

R TYP

7.49
[.295]
-Y-

RECOMMENDED PANEL CUTOUT

POS # REF

∅0.86
[.034]
⊕ ∅ 0.10[.004] Ⓜ
50 PLC

1.90
[.075]
TYP

1.90
[.075]
TYP

PCB EDGE

3.71 MAX
[.146]

8.00
[.315]

1.27
[.050]
TYP

∅2.77± 0.05
[.109±.002]
⊕ ∅ 0.10[.004] Ⓜ
2 HOLES

46.48
[1.830]

P.C.BOARD MOUNTING DIMENSIONS
CONNECTOR SIDE
P.C.BOARD THICKNESS 1.57±0.20 [.062]
PC BOARD PATTERN S

A ±0.15
[±.006]

B ±0.03
[±.001]

POSN 1

4-40UNC 2B
2 HOLES

5.54
[.218]

SHELL

AMP

2.54
[.100]
TYP

HOUSING

LAST POSN

0.30
[.012]
TYP

₵ OF DATUM Z

CONTACTS
TYP

D
-Z-

1.27
[.050]
TYP

16.76±0.38
[.660±.015]

11.76±0.38
[.463±.015]

10.31
[.406]

8.69
[.342]

9.50
[.374]

4.34
[.171]
TYP

0.79±0.05
[.031±.002]
TYP

2.54±0.18
[.100±.007]
TYP

DATE CODE
EITHER END

0.41
[.016]
TYP

POS # REF

∅0.86
[.034]
⊕ ∅ 0.10[.004] Ⓜ
68 PLC

1.90
[.075]
TYP

1.90
[.075]
TYP

PCB EDGE

3.71 MAX
[.146]

8.00
[.315]

1.27
[.050]
TYP

∅2.77± 0.05
[.109±.002]
⊕ ∅ 0.10[.004] Ⓜ
2 HOLES

DIM L

P.C.BOARD MOUNTING DIMENSIONS
CONNECTOR SIDE
P.C.BOARD THICKNESS 1.57±0.20 [.062]
PC BOARD PATTERN T

MATING FACE

6.68
[.263]
TYP

1.90
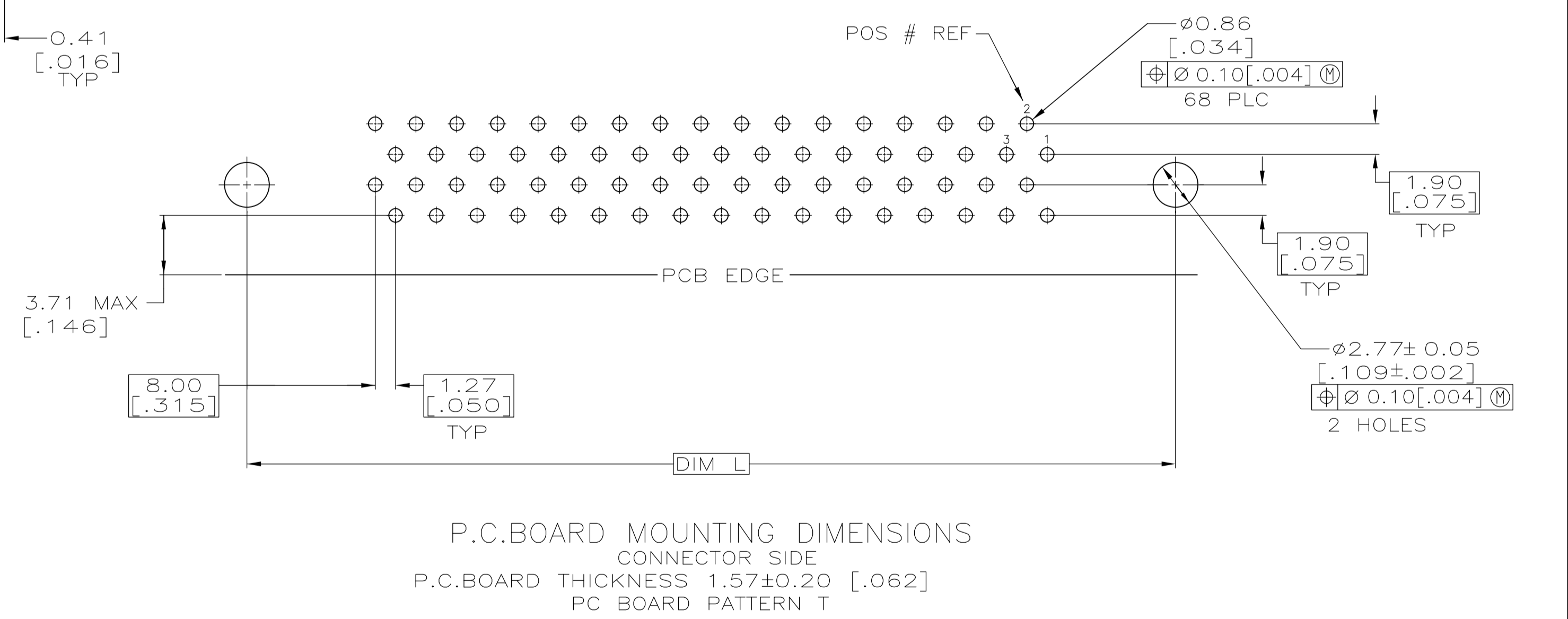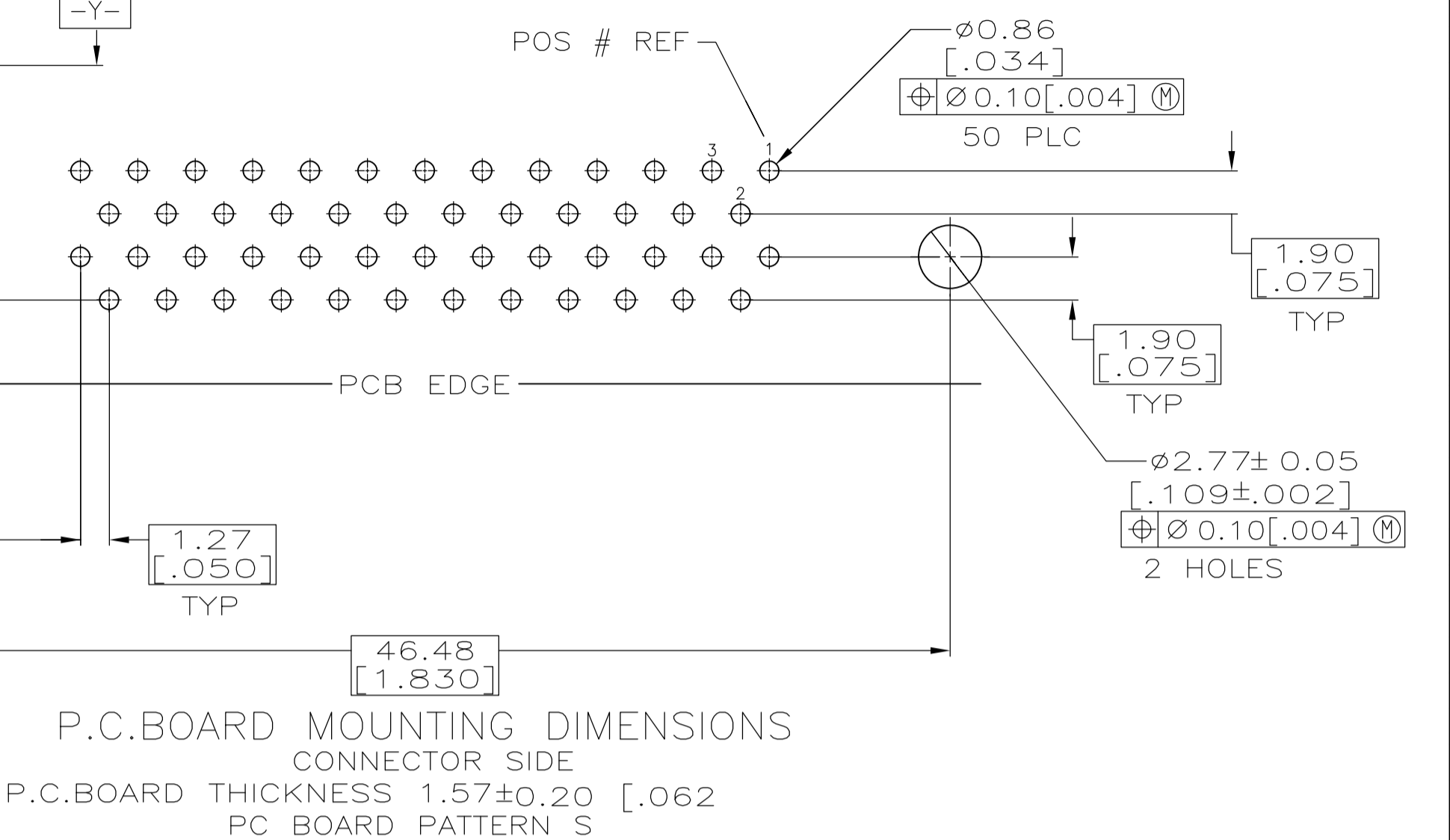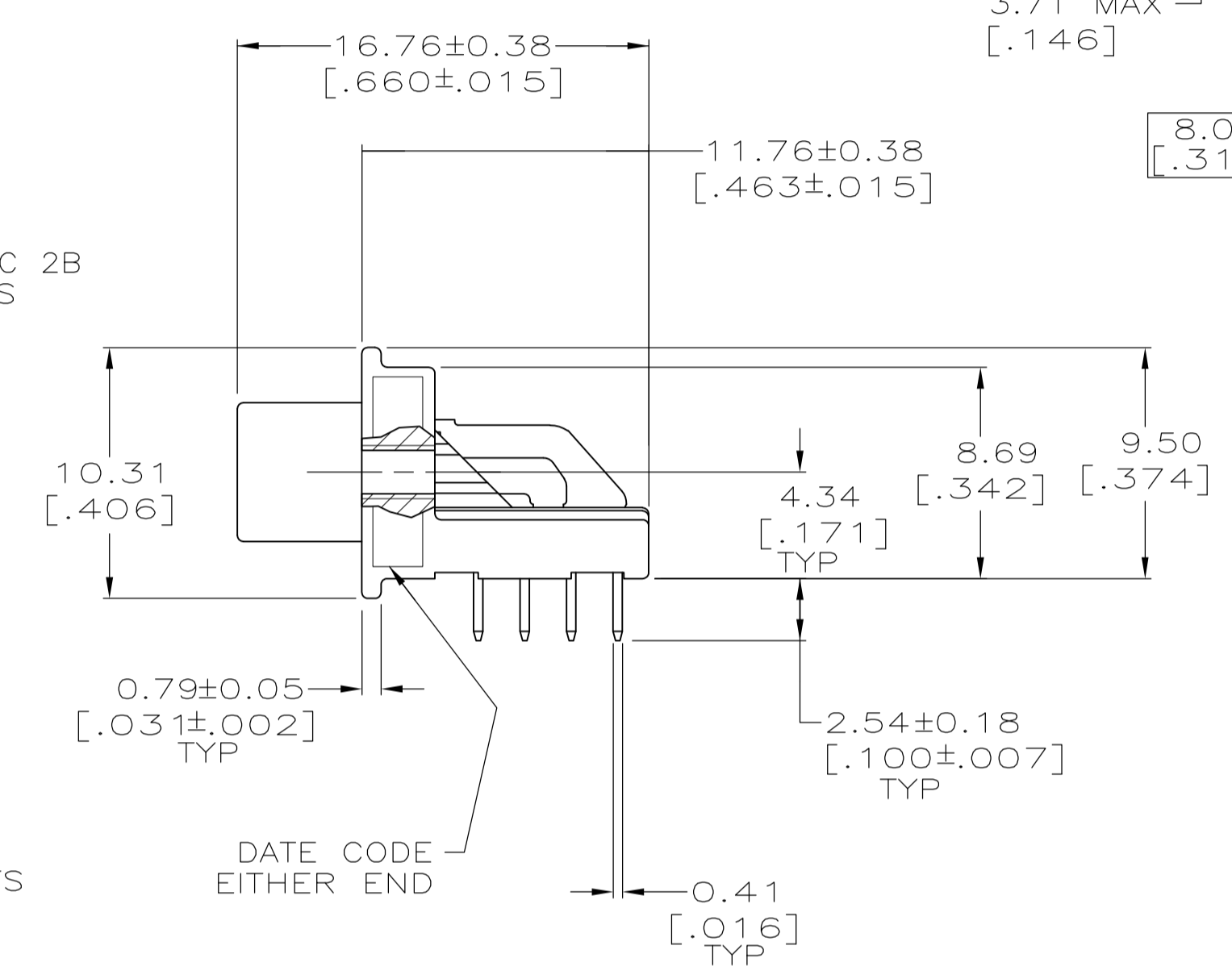[.075]
TYP

1.27
[.050]
TYP

PIN SPACER

2-56UNC 2B
2 HOLES

⚠ HOUSING & PIN SPACER: UL94V-0 RATED THERMOPLASTIC, COLOR BLACK.
SHELL: CARBON STEEL.
CONTACTS: PHOS BRONZE.
BRACKET: ZINC.

⚠ SHELL: 0.00508 [.000200] MIN NICKEL OVER 0.00127 [.000050] MIN COPPER.
CONTACTS: EITHER 0.00076 [.000030] MIN GOLD PLATE ON MATING END OR GOLD FLASH
OVER PALLADIUM NICKEL PLATE, 0.00076 [.000030] MIN TOTAL ON MATING
END. 0.00381 [.000150] MIN TIN ON SOLDER END, ALL OVER 0.00127
[.000050] MIN NICKEL ON ENTIRE CONTACT.
BRACKET: 0.00254 [.000100] MIN NICKEL OVER 0.00508 [.000200] MIN COPPER.

	PC BOARD PATTERN	L	G	F	E	D	B	A	NO OF POSN	PART NUMBER
	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	5787169-9
	T	57.91 [2.280]	0.64 [.025]	49.12 [1.934]	61.72 [2.430]	63.88 [2.515]	46.13 [1.816]	57.91 [2.280]	68	5787169-7
OBSOLETE	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	5787169-5

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN J.GERACE	20JAN05
CHK S.SHUEY	13DEC05
APVD M.WALMSLEY	20JAN05

DIMENSIONS:
mm [INCHES]

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

≡TE
TE Connectivity

NAME
RECEPTACLE ASSEMBLY, RIGHT ANGLE,
SHIELDED, 1.27[.050] SERIES,
AMPLIMITE

PRODUCT SPEC
108-1228

APPLICATION SPEC
114-40029

MATERIAL

FINISH

WEIGHT –

SIZE A1 | CAGE CODE 00779 | DRAWING NO C-5787169 | RESTRICTED TO –

CUSTOMER DRAWING

SCALE 4:1 | SHEET 1 of 1 | REV C1

4805 (3/11)