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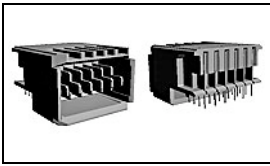| Products | Industries | Resources | About TE | My Account | Innovation | Support Center |

5223991-1 Product Details

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5223991-1

TE Internal Number: 5223991-1

✔ Active

📄 View 3D PDF

Universal Power Modules

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

Product Highlights:
- Connector
- Header
- Connector Style = Plug
- Contact Type = Blade
- 3 Positions

View all Features

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Documentation & Additional Information

Product Drawings:
- ASSEMBLY, RIGHT ANGLE HEADER, W/ RETENTION PEGS, UNI... (PDF, English)

Catalog Pages/Data Sheets:
- 2_PIECE_POWER_CONNECTORS_qrg_4-1773458-1 (PDF, English)

Product Specifications:
- None Available

Application Specifications:
- Universal Power Module (UPM) Connectors (PDF, English)

Instruction Sheets:
- None Available

CAD Files: (CAD Format & Compression Information)
- 2D Drawing (DXF, Version O)
- 3D Model (IGES, Version O)
- 3D Model (STEP, Version O)

Additional Information:
- Product Line Information

Related Products:
- Tooling

List all Documents

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

Product Type Features:
- Product Type = Connector
- Connector Type = Header
- PCB Mounting Orientation = Right Angle
- Keyed = No
- PCB Mount Retention Type = Boardlock(s)
- Post Type = Compliant Post

Dimensions:
- Mating Post Length (Row A) (mm [in]) = 7.68 [0.302]
- Mating Post Length (Row B) (mm [in]) = 10.90 [0.429]
- Mating Post Length (Row C) (mm [in]) = 7.68 [0.302]

Contact Features:
- Contact Type = Blade
- Solder Tail Contact Plating = Tin
- Contact Base Material = Phosphor Bronze
- Contact Plating, Mating Area, Material = 1.27 Micro Gold

Housing Features:
- Connector Style = Plug
- Housing Material = Polyester
- Housing Color = Natural

Configuration Features:
- Number of Positions = 3

Industry Standards:
- RoHS/ELV Compliance = RoHS compliant, ELV compliant
- Lead Free Solder Processes = Not relevant for lead free process
- RoHS/ELV Compliance History = Always was RoHS compliant

Other:
- Brand = AMP
- Comment = Contact area lubricated with Bellcore approved lubricant.

Corporate Information
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Quick Links
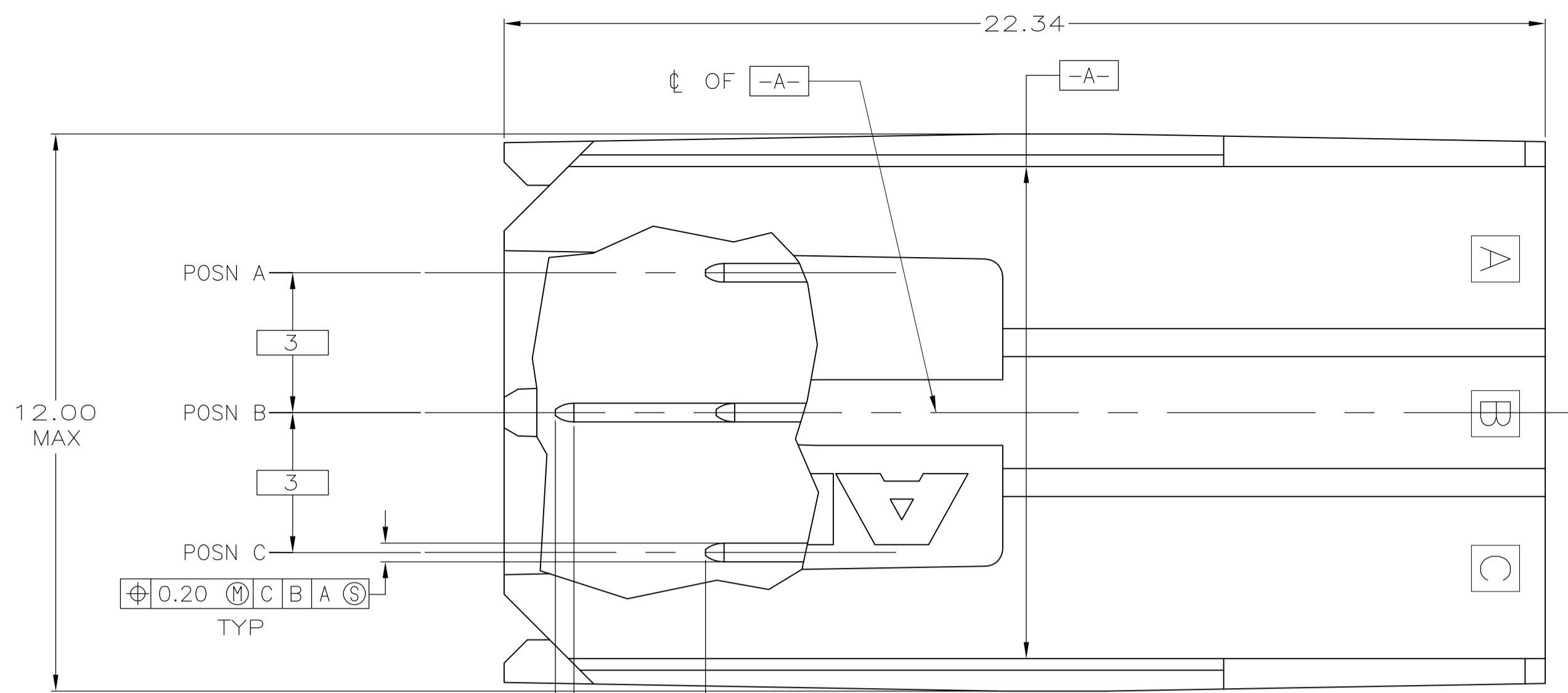- Distributor Inventory
- Product Cross Reference
- Documents & Drawings
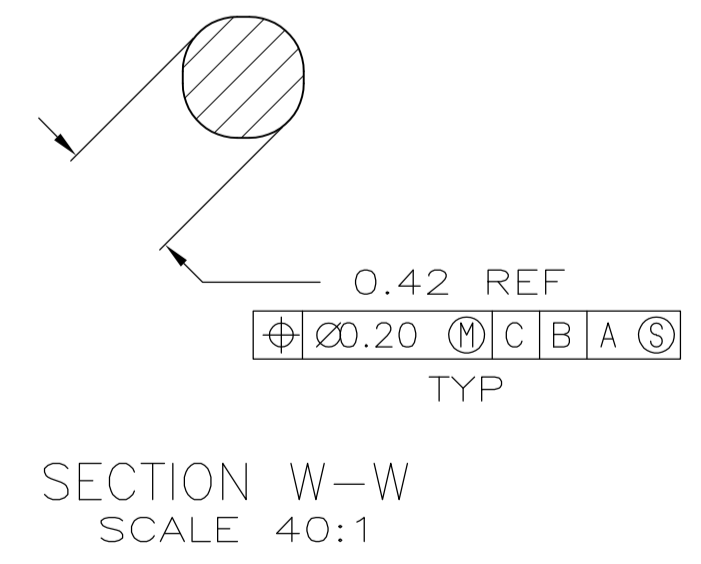- Product Compliance Support Center
- Site Map

Customer Support
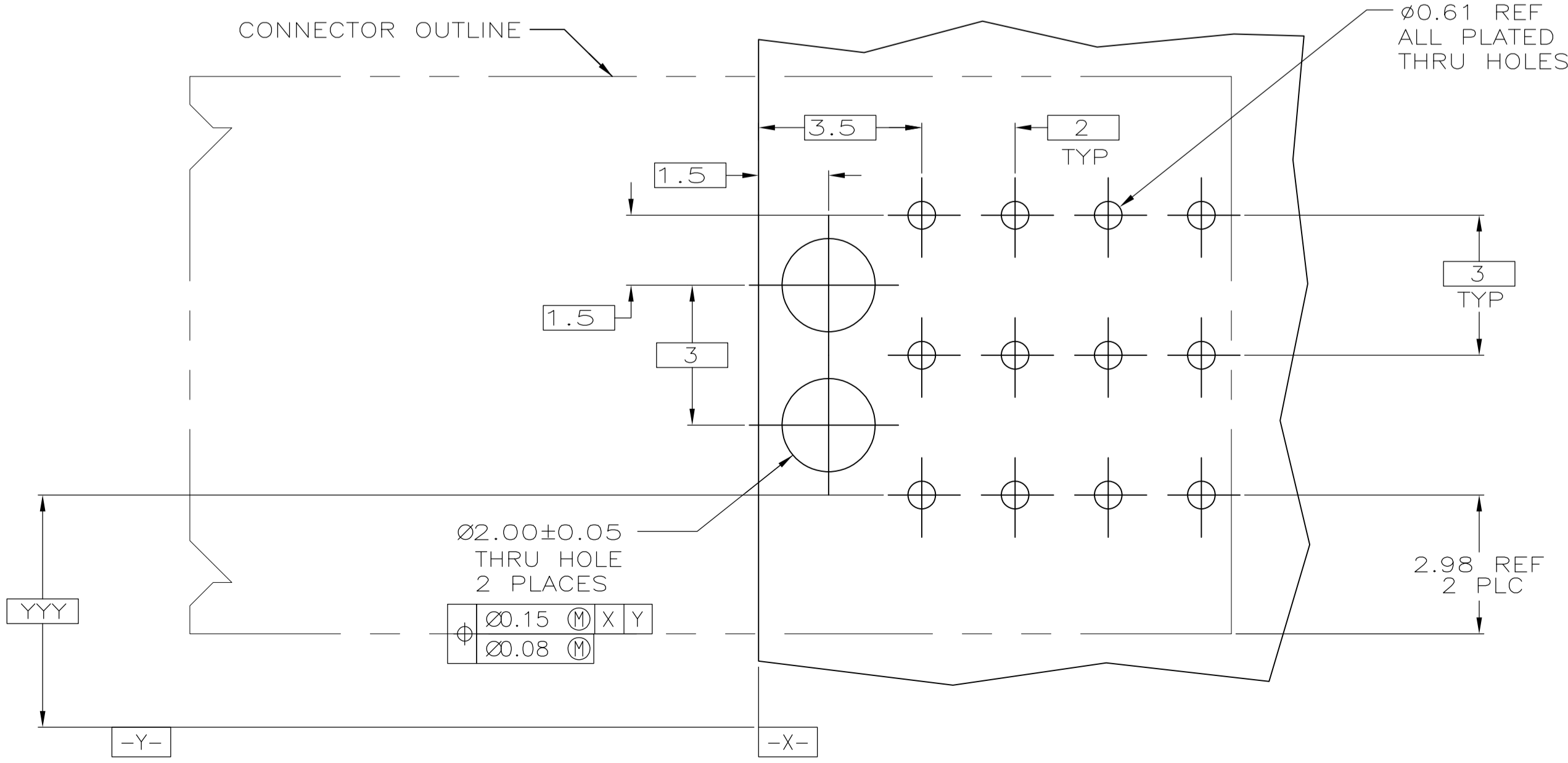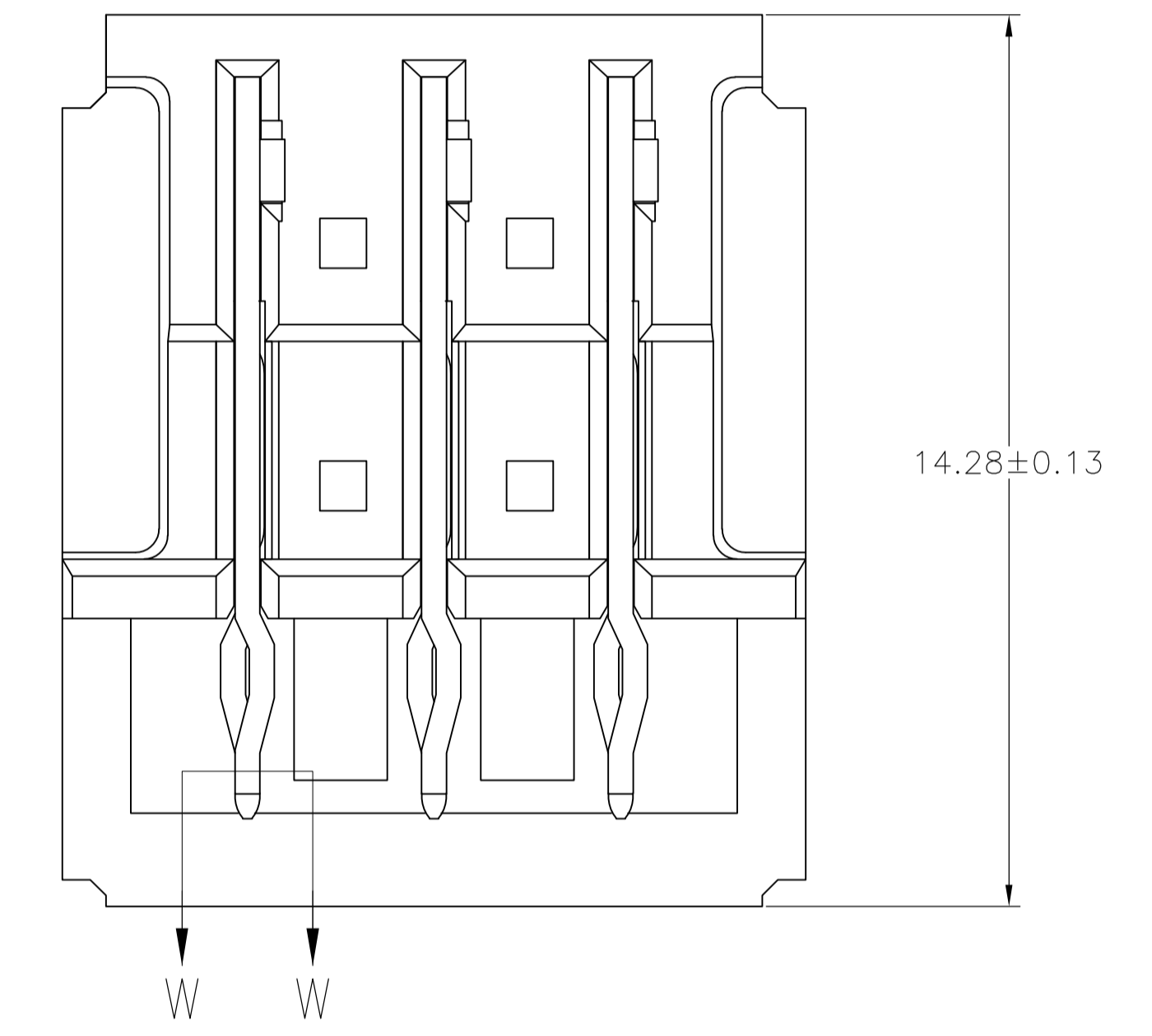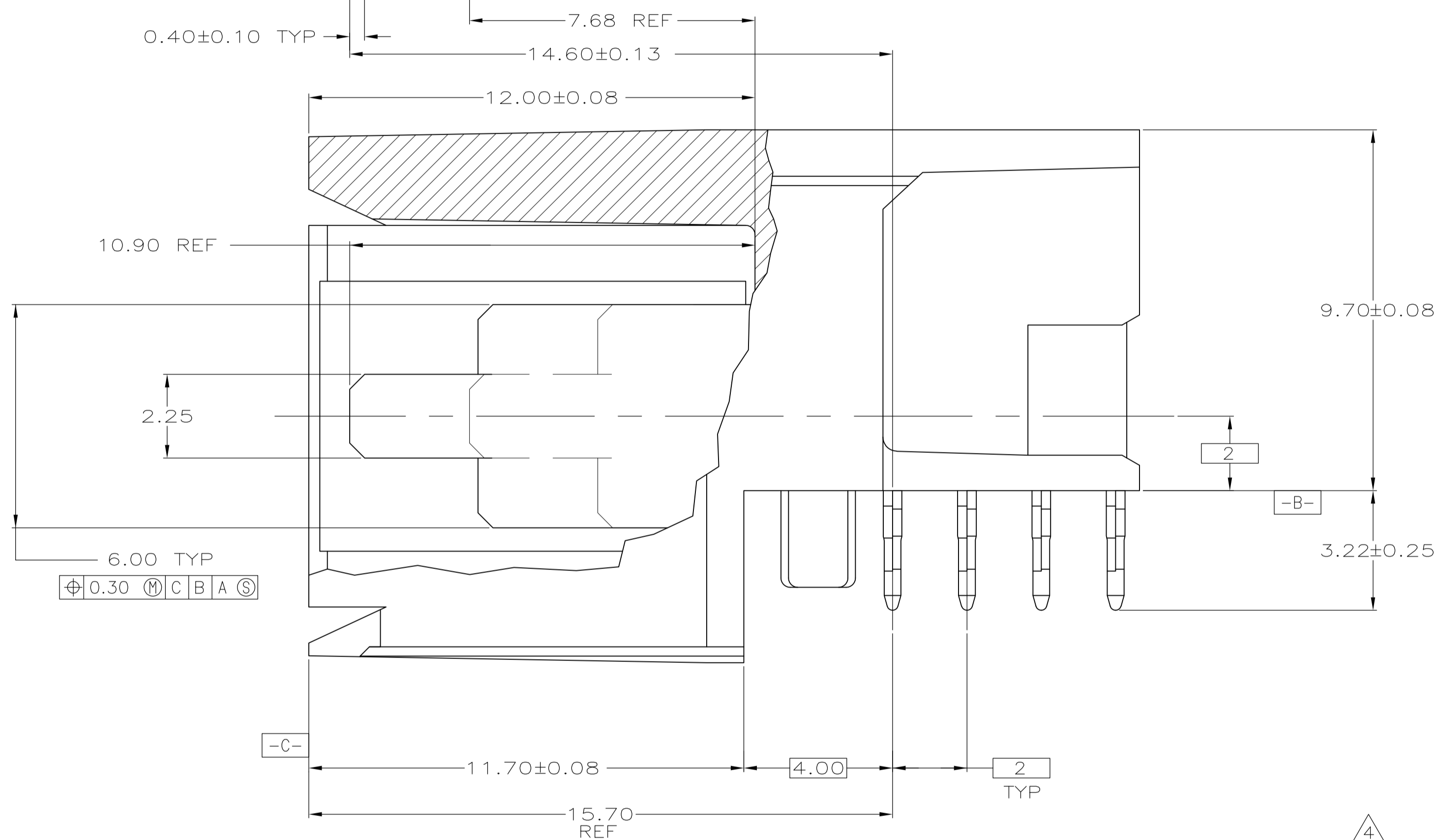- Email or Chat With Us
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LOC	DIST	REVISIONS				
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		P	LTR	DESCRIPTION	DATE	DWN	APVD
		C	REVISED PER ECO-11-000045		05JAN11	DH	DY

22.34

₵ OF -A-   -A-

12.00 MAX

POSN A

POSN B

POSN C

⊕ 0.20 Ⓜ C B A Ⓢ
TYP

A

B

C

0.40±0.10 TYP

7.68 REF

14.60±0.13

12.00±0.08

10.90 REF

2.25

9.70±0.08

3.22±0.25

1.45 REF

3.13

9.75±0.05

6.00 TYP
⊕ 0.30 Ⓜ C B A Ⓢ

-C-

11.70±0.08   4.00   2 TYP

15.70 REF

-B-

2

14.28±0.13

W   W

1. MATERIAL: HOUSING: POLYESTER. COLOR: GREY. UL 94V-O.
CONTACT: PHOSPHOR BRONZE.

2. FINISH: CONTACT MATING AREA: 1.27μm MIN GOLD OR 0.08μm MIN GOLD OVER
0.76μm MIN PALLADIUM-NICKEL.
ACTION PIN AREA: 0.5μm MIN TIN PLATE,
ALL OVER 1.27μm MIN NICKEL UNDERPLATE.

3. FINISH: CONTACT LUBRICATION WITH BELLCORE APPROVED
LUBRICANT. TECHNICAL REFERENCE: TR-NWT-001217
ISSUE 1, SEPT 1992.

4. REFERENCE APPLICATION SPEC 114-1103 FOR
RECOMMENDED PLATED THRU HOLE DIAMETER AND
PLATING THICKNESS.

5. CURRENT RATING 10A/CONTACT PER PRODUCT SPEC 108-1651.

CONNECTOR OUTLINE

Ø0.61 REF
ALL PLATED
THRU HOLES

3.5   2 TYP

1.5

1.5

3   3 TYP

Ø2.00±0.05
THRU HOLE
2 PLACES

2.98 REF
2 PLC

YYY

⊕ Ø0.15 Ⓜ X Y
Ø0.08 Ⓜ

-Y-

-X-

RECOMMENDED PCB HOLE LAYOUT

0.42 REF
⊕ Ø0.20 Ⓜ C B A Ⓢ
TYP

SECTION W-W
SCALE 40:1

5223991-1
PART NUMBER