**TE** connectivity

**English** (Change)

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# 207486-1 Product Details

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**207486-1**

TE Internal Number: 207486-1

✔ Active

📄 View 3D PDF

**CPC (Circular Plastic) and Circular Metal-Shell Connectors**

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

**Product Highlights:**
- Housing
- Connector Style = Receptacle
- 16 Positions
- 12 Signal Positions
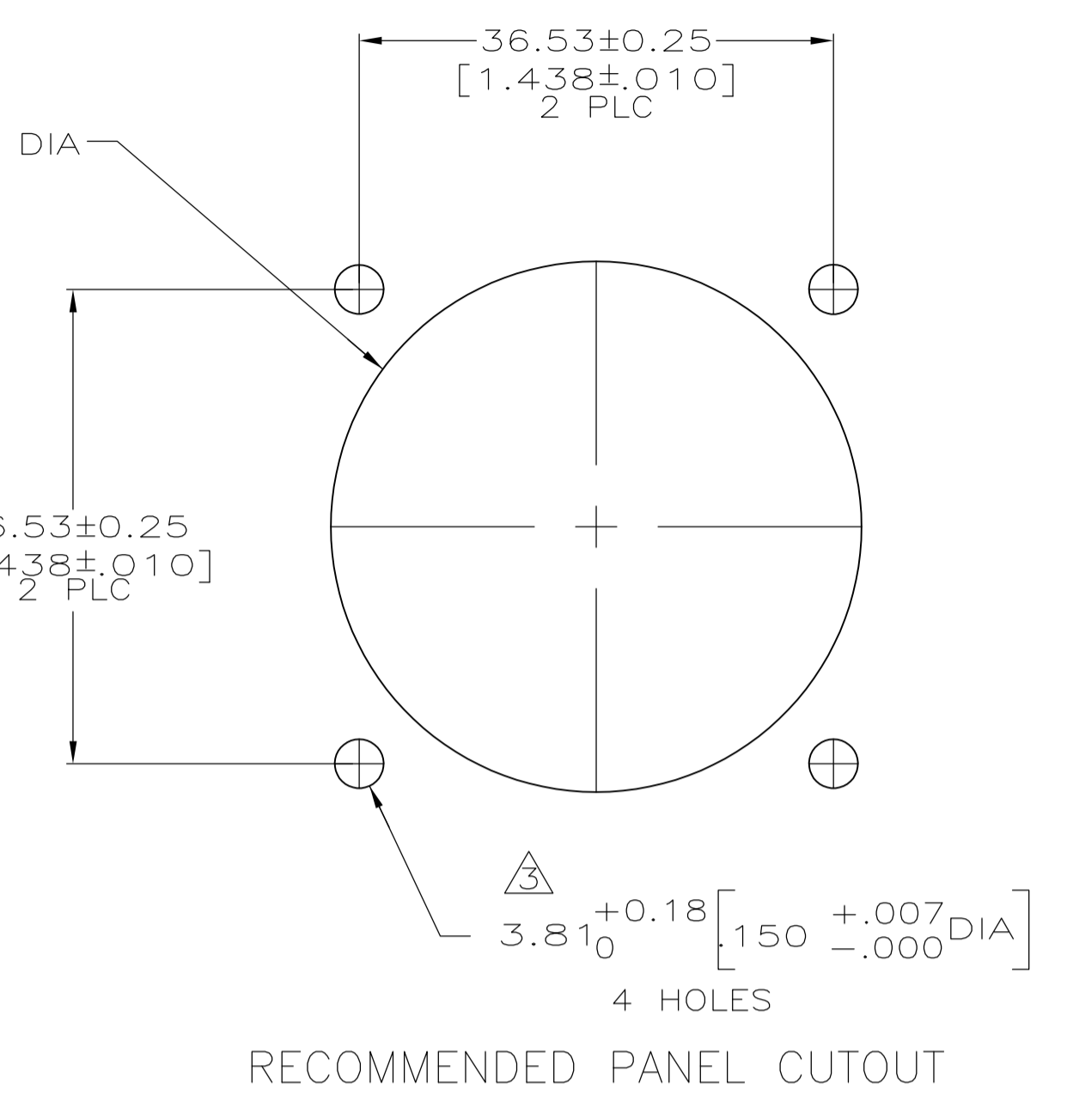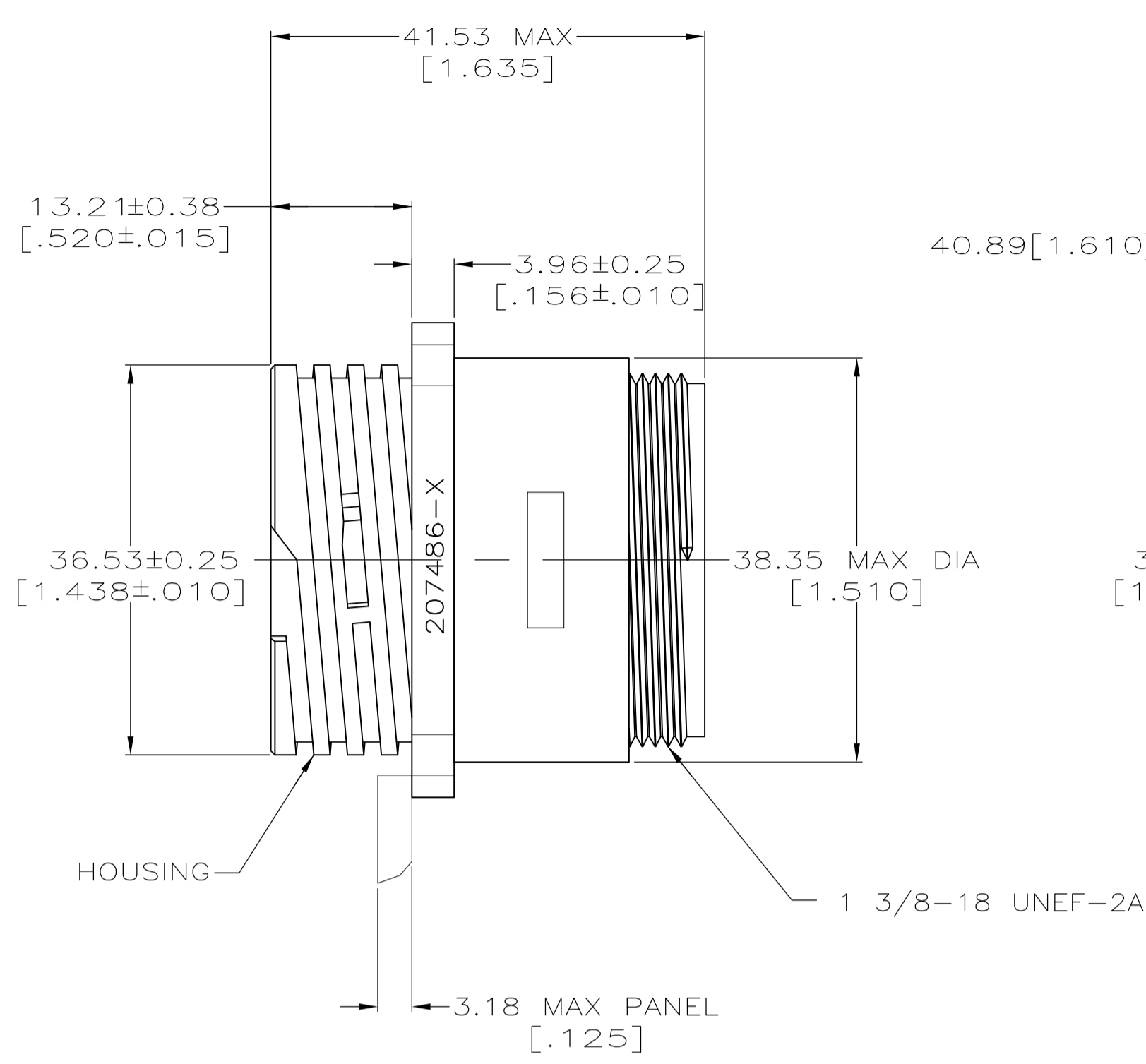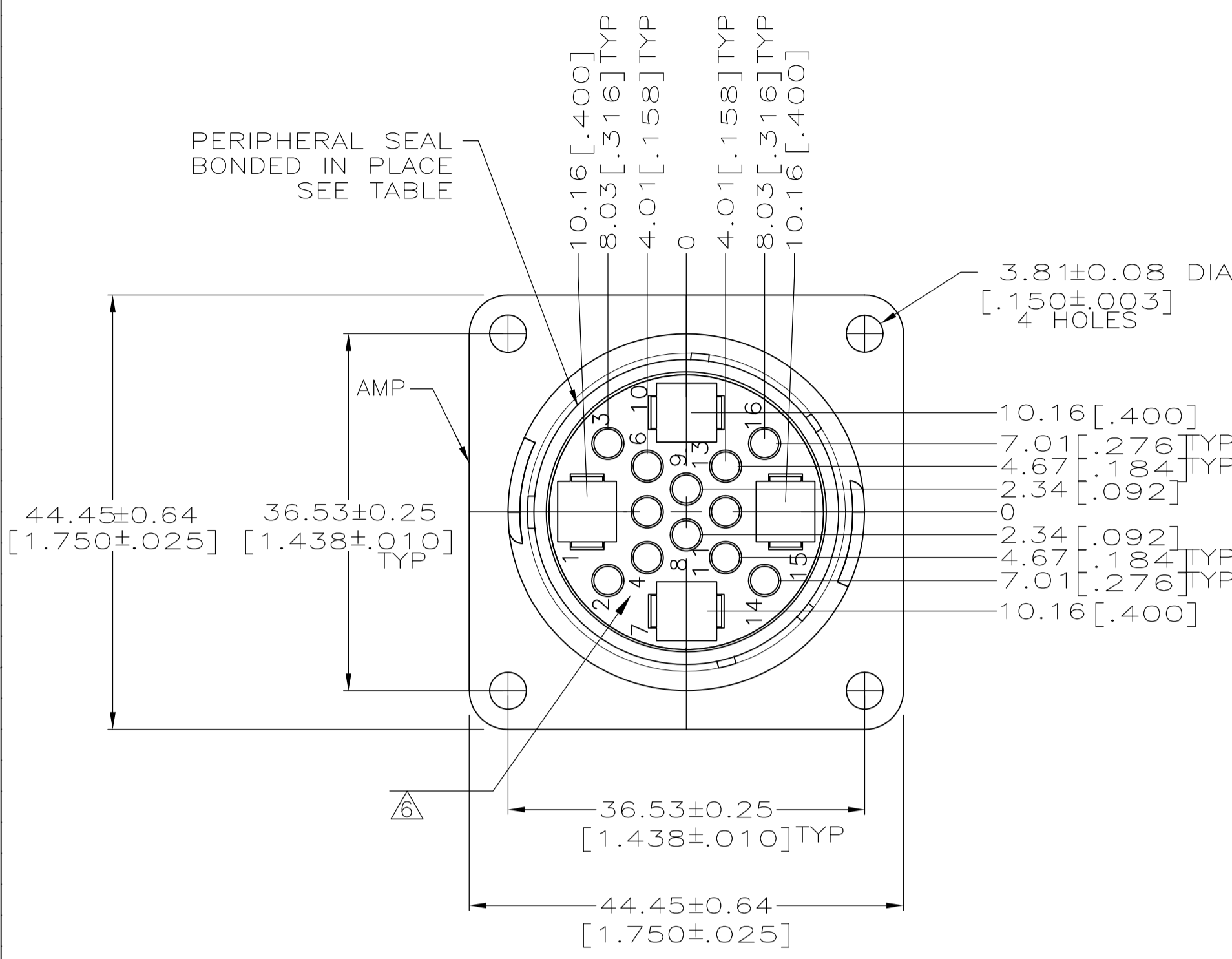- 4 Power Positions

View all Features

**Quick Links**
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▷ Search for Tooling
▷ View Mating Products (2)
▷ Product Feature Selector
▷ Contact Us About This Product

Add to My Part List      Request Sample      Find Similar Products      Buy Product
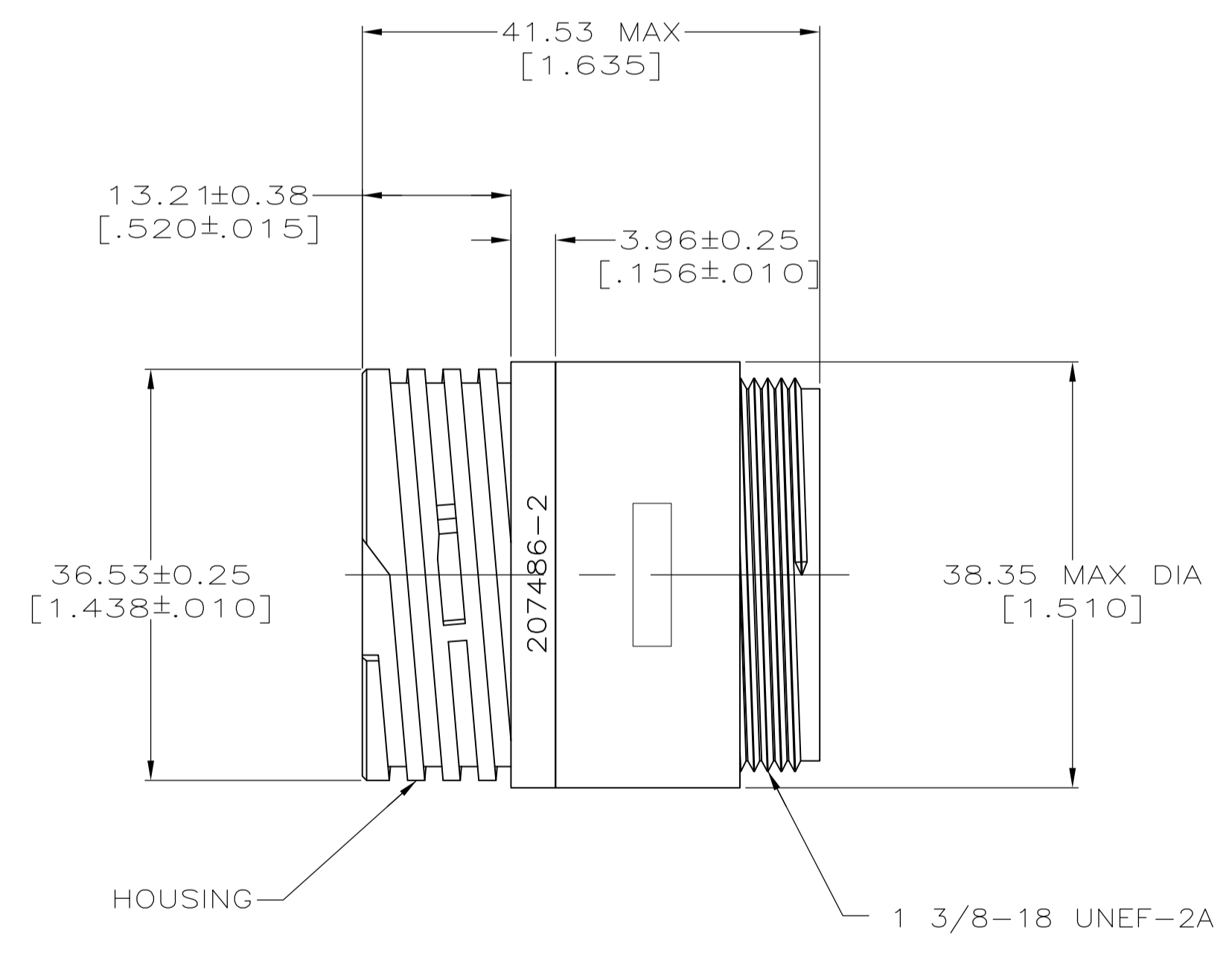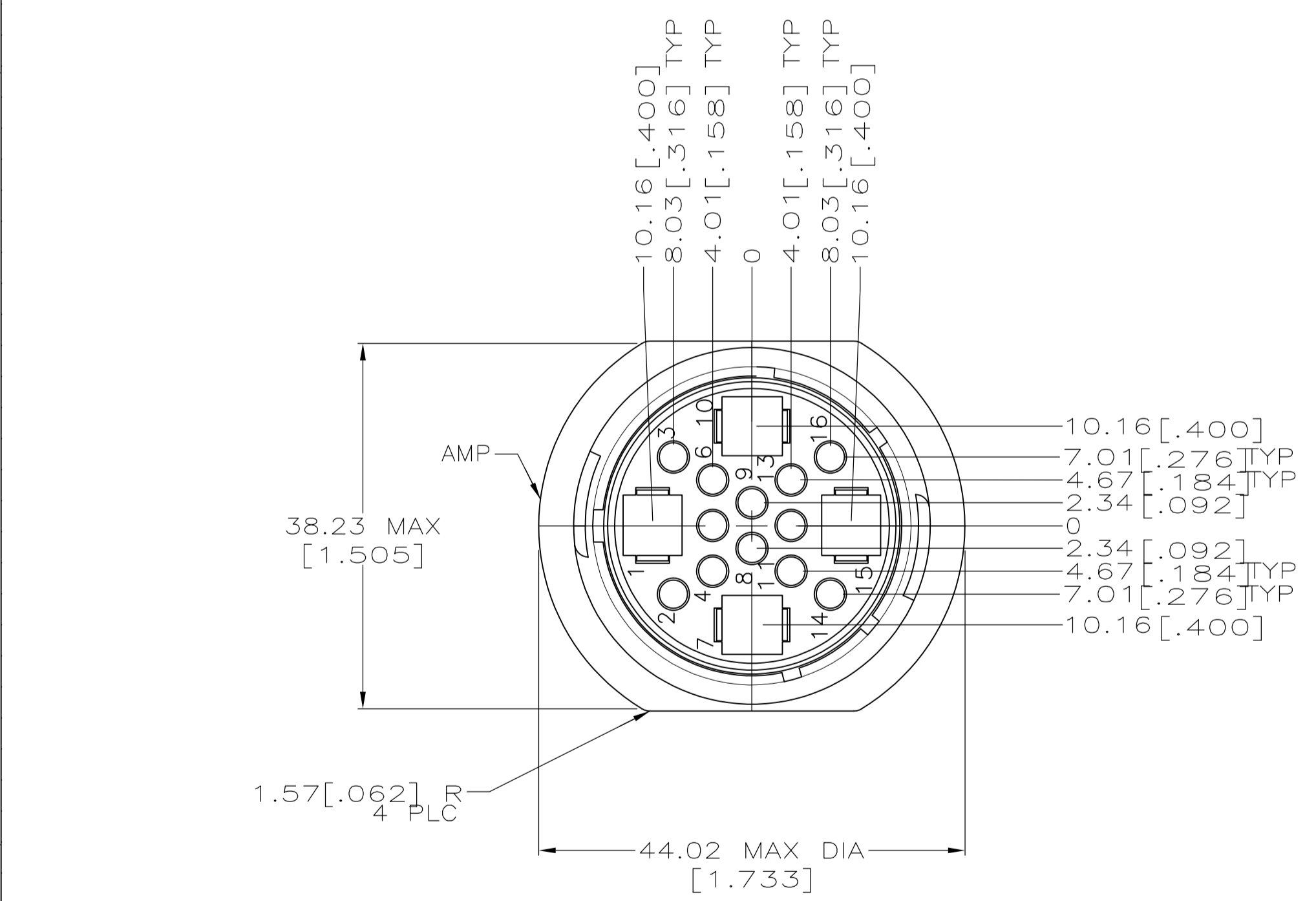
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## Documentation & Additional Information

**Product Drawings:**
- RECEPTACLE HOUSING, STANDARD SEX, SHELL SIZE 23, CPC (PDF, English)

**Catalog Pages/Data Sheets:**
- AMP Circular Connectors for Commercial Signal & Powe... (PDF, English)

**Product Specifications:**
- Connector, Circular Plastic (PDF, English)

**Application Specifications:**
- None Available

**Instruction Sheets:**
- Circular Plastic Connectors (CPC) (PDF, English)

**CAD Files:** (CAD Format & Compression Information)
- 2D Drawing (DXF, Version P1)
- 3D Model (IGES, Version P1)
- 3D Model (STEP, Version P1)

**Additional Product Images:**
- Contact Arrangement
- Front View

**Related Products:**
- Tooling
- Mating Products (2)

List all Documents

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

**Product Type Features:**
- Connector Type = Housing
- Mount Angle = Straight
- Shell Size = 23
- PCB Mount Retention = Without
- Shell Type = All Plastic
- Product Series = Series 4
- Thread Size = 1-3/8 - 18 UNEF-2A
- Sealed = No

**Mechanical Attachment:**
- Mount = Panel
- Mating Retention Type = Threaded Coupling

**Dimensions:**
- Insulation Diameter (Power Conductor) (mm [in]) = 5.59 [0.220]

**Body Features:**
- Mount Style = Flange with Mounting Holes
- Insulation Diameter (Signal Conductor) (mm [in]) = 3.81 [0.150]

**Contact Features:**
- Contact Type = Pin
- Reverse Gender = Standard

**Housing Features:**
- Connector Style = Receptacle
- Mating Alignment Type = Keyed
- Housing Material = Thermoplastic - GF
- Housing Color = Black
- UL Flammability Rating = UL 94V-0

**Configuration Features:**
- Number of Positions = 16
- Number of Signal Positions = 12
- Number of Power Positions = 4
- Environmental Protection = Without
- Reverse Numbering = Without

**Industry Standards:**
- VDE Tested = No
- 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

**Environmental:**
- Fluid Resistance = None

**Other:**
- Brand = AMP

THIS DRAWING IS UNPUBLISHED.
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DETAIL A

PERIPHERAL SEAL
BONDED IN PLACE
SEE TABLE

10.16[.400]TYP
8.03[.316]TYP
4.01[.158]TYP
4.01[.158]TYP
8.03[.316]TYP
10.16[.400]

AMP

3.81±0.08 DIA
[.150±.003]
4 HOLES

10.16[.400]
7.01[.276]TYP
4.67[.184]TYP
2.34[.092]
2.34[.092]
4.67[.184]TYP
7.01[.276]TYP
10.16[.400]

44.45±0.64    36.53±0.25
[1.750±.025]  [1.438±.010]
TYP

36.53±0.25
[1.438±.010]TYP

44.45±0.64
[1.750±.025]

41.53 MAX
[1.635]

13.21±0.38
[.520±.015]

3.96±0.25
[.156±.010]

207486-X

36.53±0.25
[1.438±.010]

38.35 MAX DIA
[1.510]

HOUSING

1 3/8-18 UNEF-2A

3.18 MAX PANEL
[.125]

40.89[1.610] DIA

36.53±0.25
[1.438±.010]
2 PLC

36.53±0.25
[1.438±.010]
2 PLC

3.81 +0.18 [150 +.007] DIA
     0         -.000
4 HOLES

RECOMMENDED PANEL CUTOUT

DETAIL B

10.16[.400] TYP
8.03[.316]TYP
4.01[.158]TYP
0
4.0[.158] TYP
8.03[.316]TYP
10.16[.400]

AMP

10.16[.400]
7.01[.276]TYP
4.67[.184]TYP
2.34[.092]
2.34[.092]
4.67[.184]TYP
7.01[.276]TYP
10.16[.400]

38.23 MAX
[1.505]

1.57[.062] R
4 PLC

44.02 MAX DIA
[1.733]

41.53 MAX
[1.635]

13.21±0.38
[.520±.015]

3.96±0.25
[.156±.010]

36.53±0.25
[1.438±.010]

207486-2

38.35 MAX DIA
[1.510]

HOUSING

1 3/8-18 UNEF-2A

1. WILL ACCEPT (12) MULTIMATE AND (4) TYPE XII PIN CONTACTS.
2. CAVITY IDENTIFICATION ON FRONT AND REAR FACE.
3. NO. 4 FASTENERS RECOMMENDED FOR MOUNTING.
4. THIS CONNECTOR WILL ACCEPT INSULATION DIAMETERS UP TO 3.81[.150].
5. HOUSING: NYLON, BLACK.
   PERIPHERAL SEAL: ELASTOMER, GRAY.
6. PERMANENT WHITE MARKED OR WHITE INK STAMPED CAVITY IDENTIFICATION.
7. HOUSING: NYLON, RED.
   PERIPHERAL SEAL: ELASTOMER, GRAY.
8. WHITE DOT NEAR POSITION 1 ON WIRE ENTRY FACE.

| NOTES | THREADED INSERTS | PERIPHERAL SEAL | SEE DETAIL | PART NUMBER |
|---|---|---|---|---|
| | – | YES | A | 1-207486-1 |
| PRELIMINARY | – | YES | A | 207486-9 |
| PRELIMINARY | – | YES | A | 207486-7 |
| | 4 | YES | A | 207486-6 |
| | – | YES | A | 207486-5 |
| | – | NO | B | 207486-2 |
| | – | NO | A | 207486-1 |

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
INCHES

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

DWN  M.BINNER  05/26/94
CHK  R.STONE  6-23-94
APVD  –

PRODUCT SPEC  108-10024
APPLICATION SPEC  –

MATERIAL  –    FINISH  –

WEIGHT  –

CUSTOMER DRAWING

TE Connectivity

RECEPTACLE HOUSING, STANDARD
SEX, SHELL SIZE 23, CPC
–

SIZE A1  CAGE CODE 00779  DRAWING NO C-207486
SCALE 2:1  SHEET 1 OF 1  REV P2

RESTRICTED TO –

4805 (3/11)