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

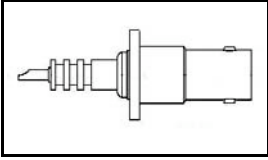# 51421-2 Product Details

Share    Print    Email

**51421-2**

TE Internal Number: 51421-2

✔ Active

📄 View 3D PDF

**SHV RF Connectors**

🍃 Always EU RoHS/ELV Compliant

(Statement of Compliance)

**Product Highlights:**

- Connector - RF
- RF Connector Type = SHV
- Jack
- Coaxial Cable Termination Type = Solder
- Nickel Body Plating

View all Features

Add to My Part List        Request Sample        Find Similar Products

Buy Product

---

## Documentation & Additional Information

**Product Drawings:**
- PANEL RECEPTACLE, SHV (PDF, English)

**Catalog Pages/Data Sheets:**
- None Available

**Product Specifications:**
- COAXICON Standard High Voltage Connector (PDF, English)

**Application Specifications:**
- Coaxial High Voltage Connectors (PDF, English)

**Instruction Sheets:**
- None Available

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

List all Documents

**Related Products:**
- Tooling

---

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

**Product Type Features:**
- Product Type = Connector - RF
- RF Connector Type = SHV
- Gender = Jack

**Mechanical Attachment:**
- Panel Mount Retention = With
- Panel Mount Retention Type = Flange

**Termination Features:**
- Coaxial Cable Termination Type = Solder

**Body Features:**
- Body Plating = Nickel

**Contact Features:**
- Center Contact Plating = Gold

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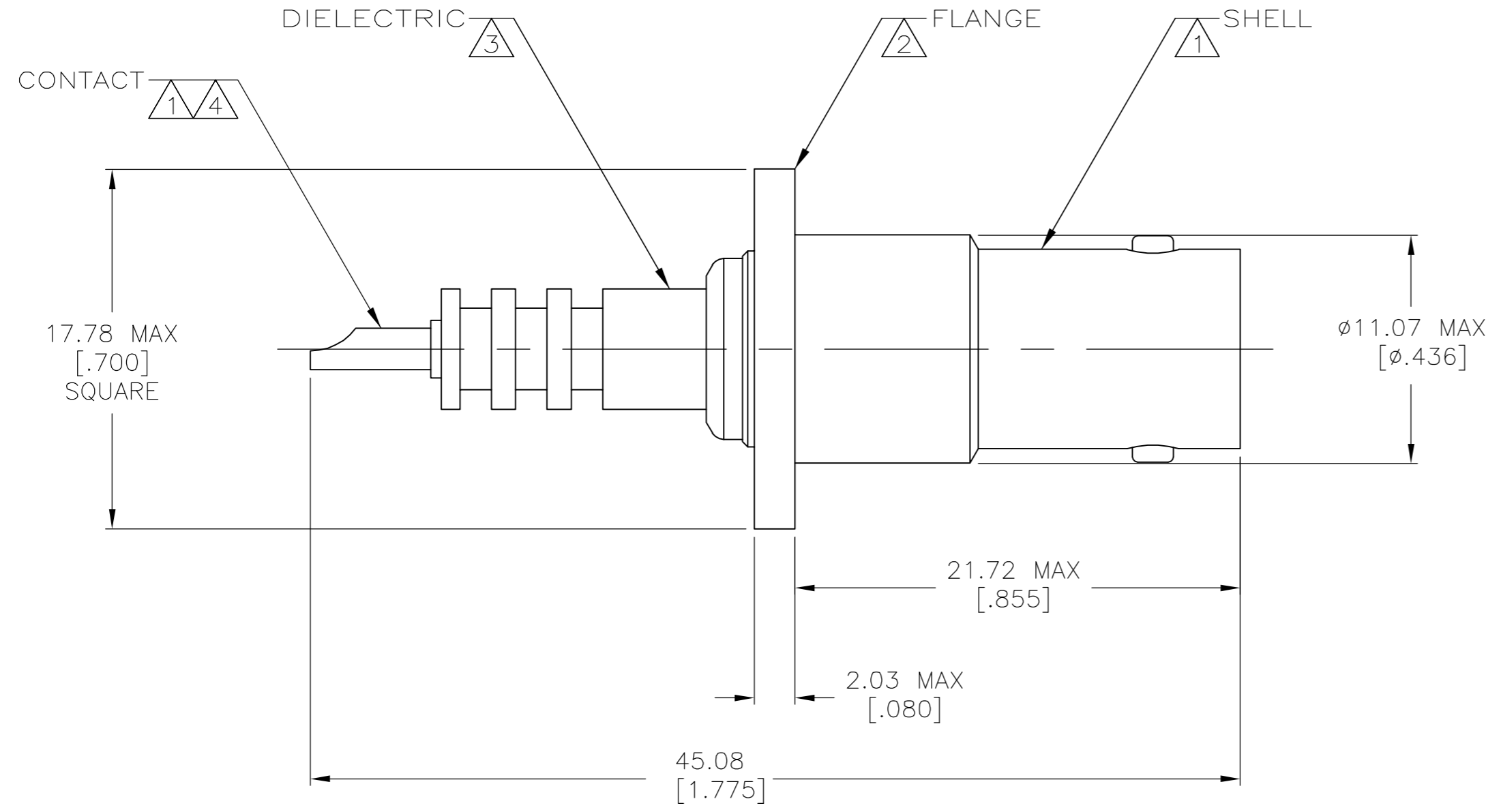- RoHS/ELV Compliance History = Always was RoHS compliant

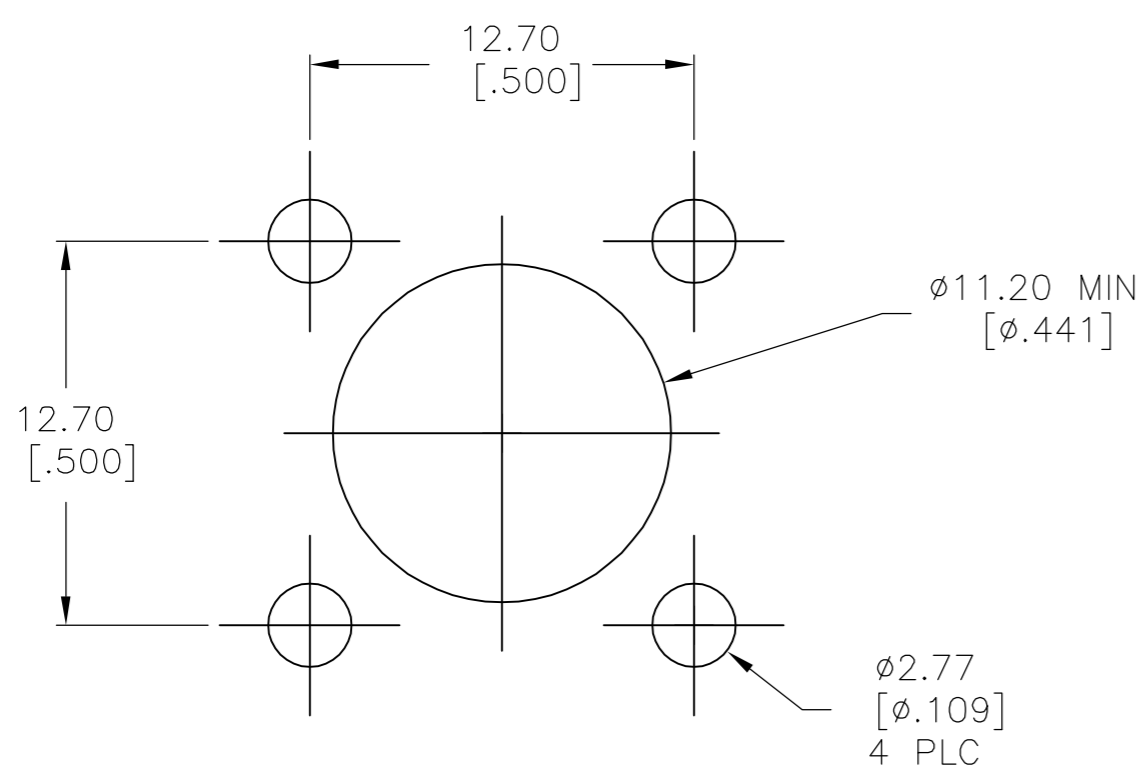**Conditions for Usage:**
- Applies To = Coaxial Cable

**Other:**
- Brand = AMP

| LOC | DIST | | | REVISIONS | | | |
|---|---|---|---|---|---|---|---|
| AJ | 16 | P | LTR | DESCRIPTION | DATE | DWN | APVD |
| | | | K | REVISED PER ECO-06-002381 | 13MAR2006 | REH | JL |

DIELECTRIC △3

CONTACT △1 △4

FLANGE △2

SHELL △1

17.78 MAX
[.700]
SQUARE

ø11.07 MAX
[ø.436]

21.72 MAX
[.855]

2.03 MAX
[.080]

45.08
[1.775]

△1 BRASS PER ASTM-B-16

△2 BRASS PER ASTM-B-36

△3 PTFE PER MIL-P-19468

△4 GOLD PLATE PER MIL-G-45204,
    1.27μm [.000050] MIN THICKNESS

△5 NICKEL PLATE PER QQ-N-290,
    2.54μm [.000100] MIN THICKNESS

△6 SILVER PLATE PER QQ-S-365,
    2.54μm MIN THICKNESS

7.   4 HOLES IN FLANGE HAVE
    3-56 UNF-2B THREAD

12.70
[.500]

ø11.20 MIN
[ø.441]

12.70
[.500]

ø2.77
[ø.109]
4 PLC

RECOMMENDED PANEL CUTOUT

SUPERSEDED BY 51421-2

| △5 | △5 | 51421-2 |
|---|---|---|
| △6 | △6 | 51421-1 |
| FLANGE | SHELL | PART NUMBER |
| FINISH | | |

| DIMENSIONS: mm [INCHES] | TOLERANCES UNLESS OTHERWISE SPECIFIED: | | |
|---|---|---|---|
| | 0 PLC | ± | — |
| | 1 PLC | ± | — |
| | 2 PLC | ± | 0.10 [.004] |
| | 3 PLC | ± | — |
| | 4 PLC | ± | — |
| | ANGLES | ± | — |

MATERIAL —    FINISH —

DWN M.E.COWHER 20/SEPT/93
CHK M.PHILLIPS 21/SEPT/93
APVD M.PHILLIPS 21/SEPT/93

PRODUCT SPEC —

APPLICATION SPEC —

WEIGHT —

**tyco** / Electronics

Tyco Electronics Corporation
Harrisburg, PA 17105-3608

NAME

PANEL RECEPTACLE, SHV

| SIZE | CAGE CODE | DRAWING NO | | RESTRICTED TO |
|---|---|---|---|---|
| A2 | 00779 | C-51421 | | — |

CUSTOMER DRAWING

SCALE 4:1    SHEET 1 OF 1    REV K