TE connectivity

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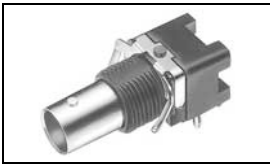| Products | Industries | Resources | About TE | My Account | Innovation | Support Center |

5414651-3 Product Details

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5414651-3

TE Internal Number: 5414651-3

✔ Active

📄 View 3D PDF

Decoupled BNC RF Connectors

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

Product Highlights:
- Applies To Printed Circuit Board
- Connector Impedance = 50 Ω
- Capacitance = 7,900 pF
- With ESD Protection
- Voltage Rating = 1500 VDC

View all Features

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Documentation & Additional Information

Product Drawings:
- JACK, DECOUPLER, PCB RIGHT ANGLE, LOW PROFILE, ESD P... (PDF, English)

Catalog Pages/Data Sheets:
- Decoupled Connectors (PDF, English)

Product Specifications:
- None Available

Application Specifications:
- None Available

Instruction Sheets:
- None Available

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

List all Documents

Related Products:
- Tooling

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

Product Type Features:
- Profile = Low
- PCB Mounting Orientation = Right Angle
- PCB Mount Retention = With
- PCB Mount Retention Type = Hold Down Post(s)
- Clip Style = Standard
- Mounting Post Style = Compliant
- Dielectric Material = Polymethylpentene
- Gender = Jack

Mechanical Attachment:
- Panel Mount Retention = With
- Panel Mount Retention Type = Lockwasher and Nut

Electrical Characteristics:
- Connector Impedance (Ω) = 50
- Capacitance (pF) = 7,900
- Voltage Rating (VDC) = 1500

Dimensions:
- Mounting Post Length (mm [in]) = 2.79 [0.110]
- Mount Height (Dim B) (mm [in]) = 13.18 [0.519]

Body Features:
- ESD Protection = With
- Body Material = VALOX

Contact Features:
- Center Contact Plating = Gold (30)

Housing Features:
- Housing Color = Black

Industry Standards:
- RoHS/ELV Compliance = RoHS compliant, ELV compliant
- Lead Free Solder Processes = Wave solder capable to 240°C, Wave solder capable to 260°C, Wave solder capable to 265°C
- RoHS/ELV Compliance History = Always was RoHS compliant

Conditions for Usage:
- Applies To = Printed Circuit Board
- Housing Temperature Rating = Standard

Other:
- Brand = AMP

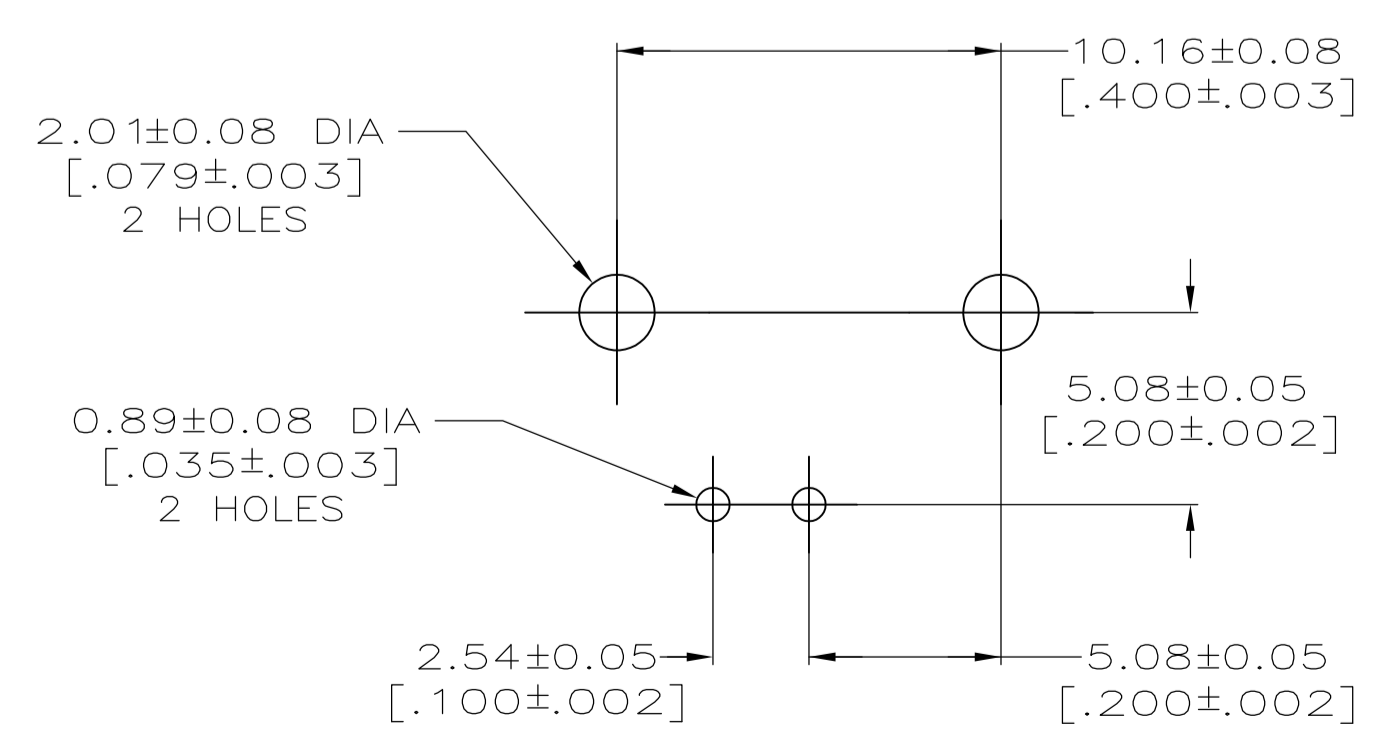**Corporate Information**
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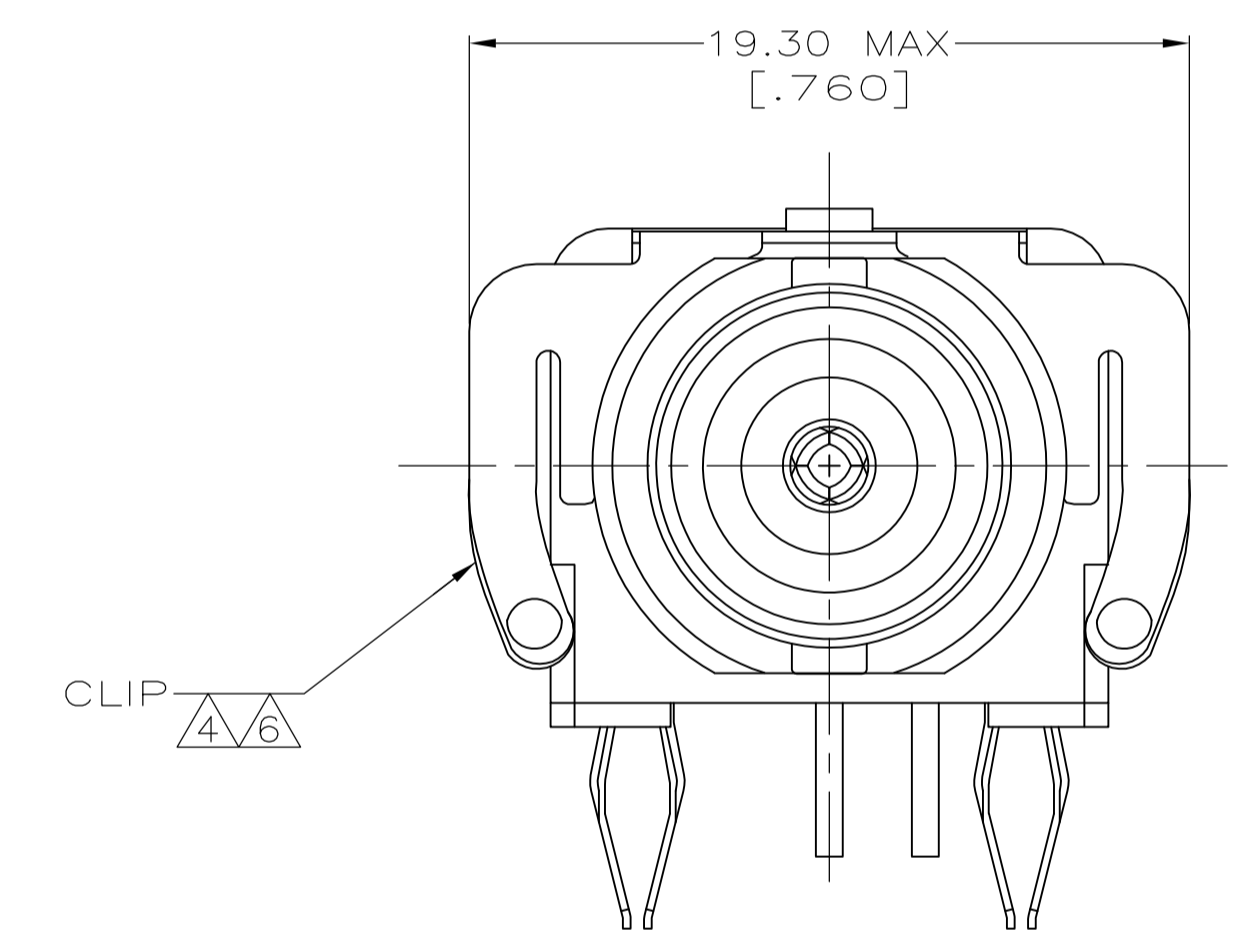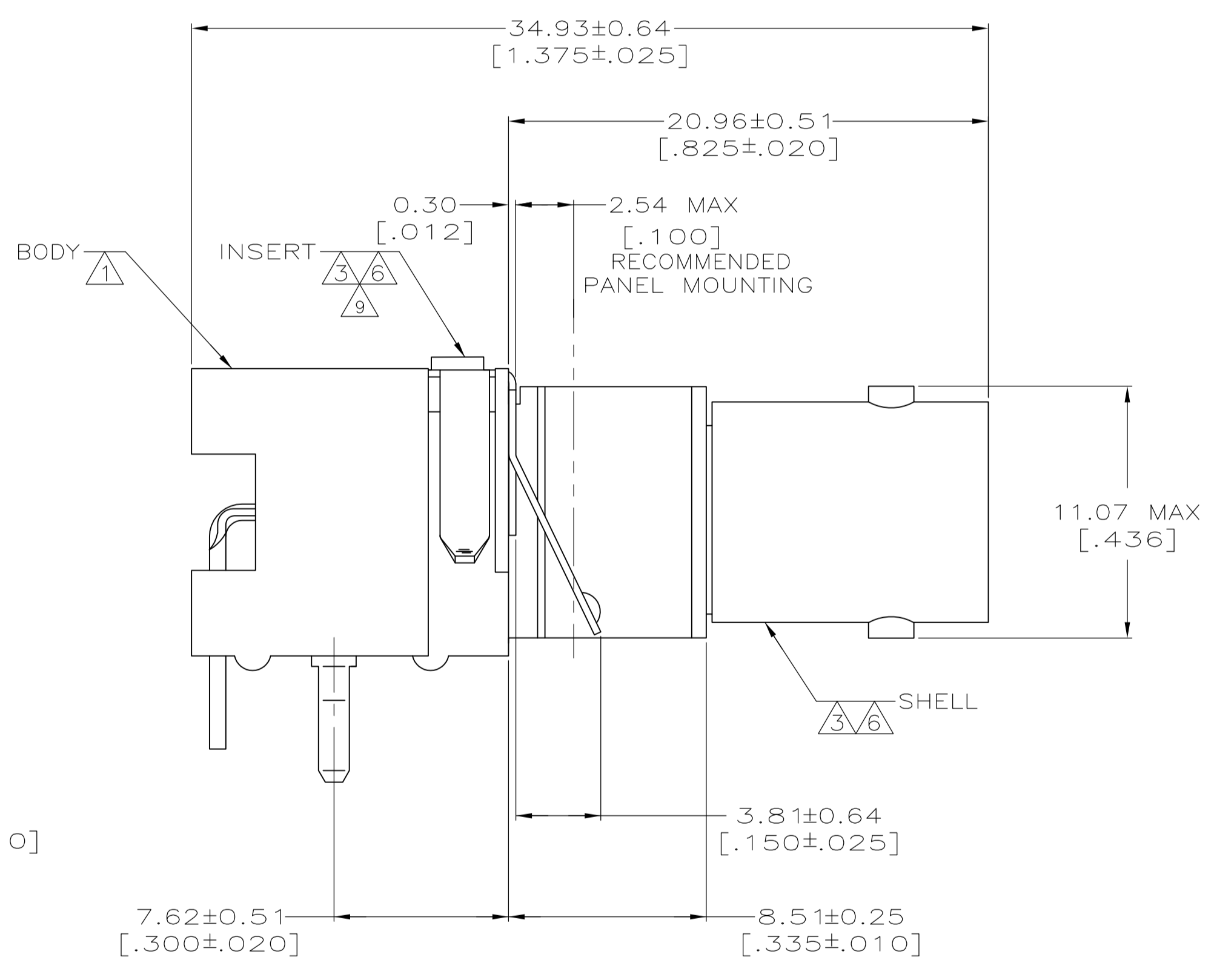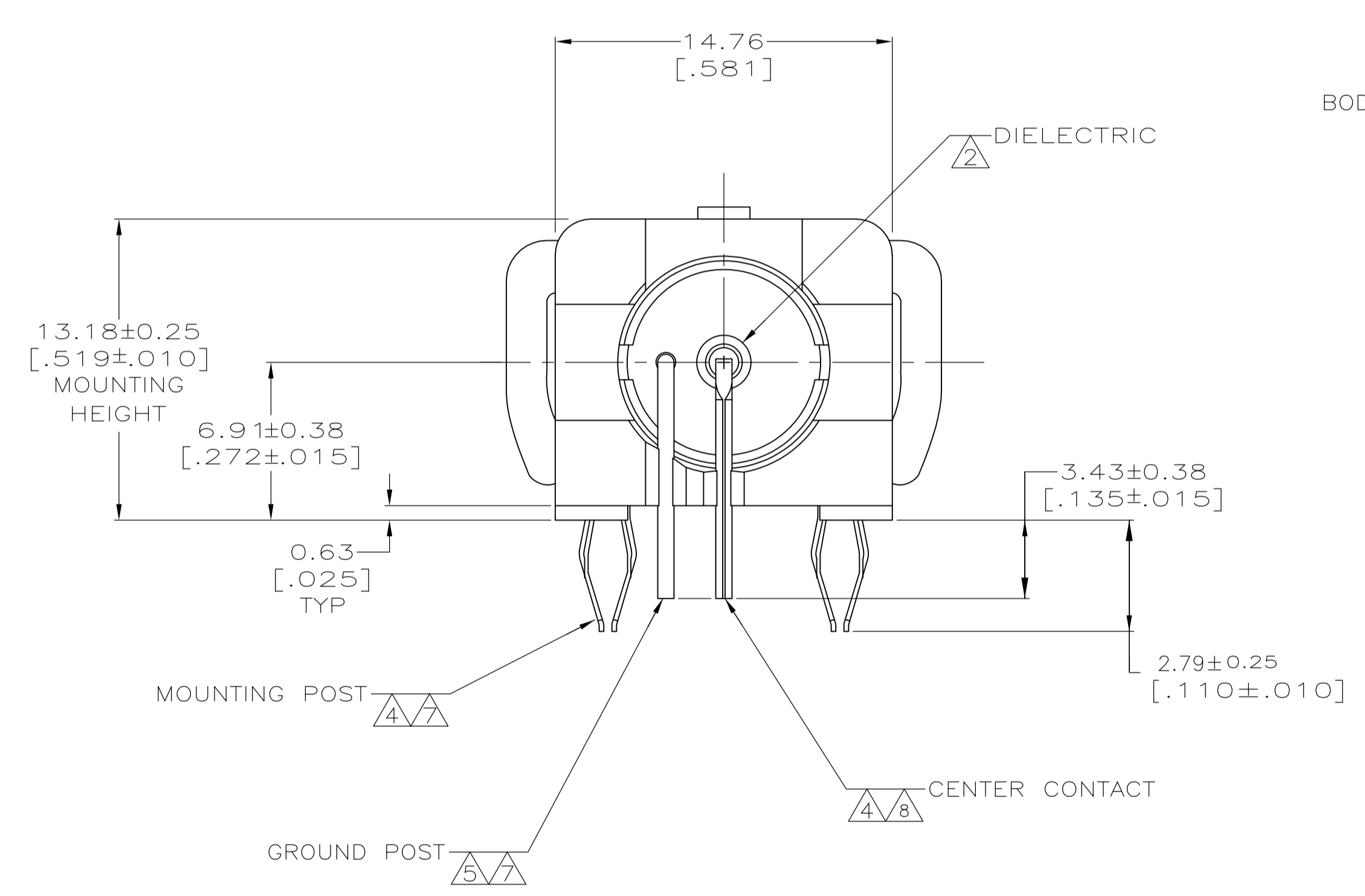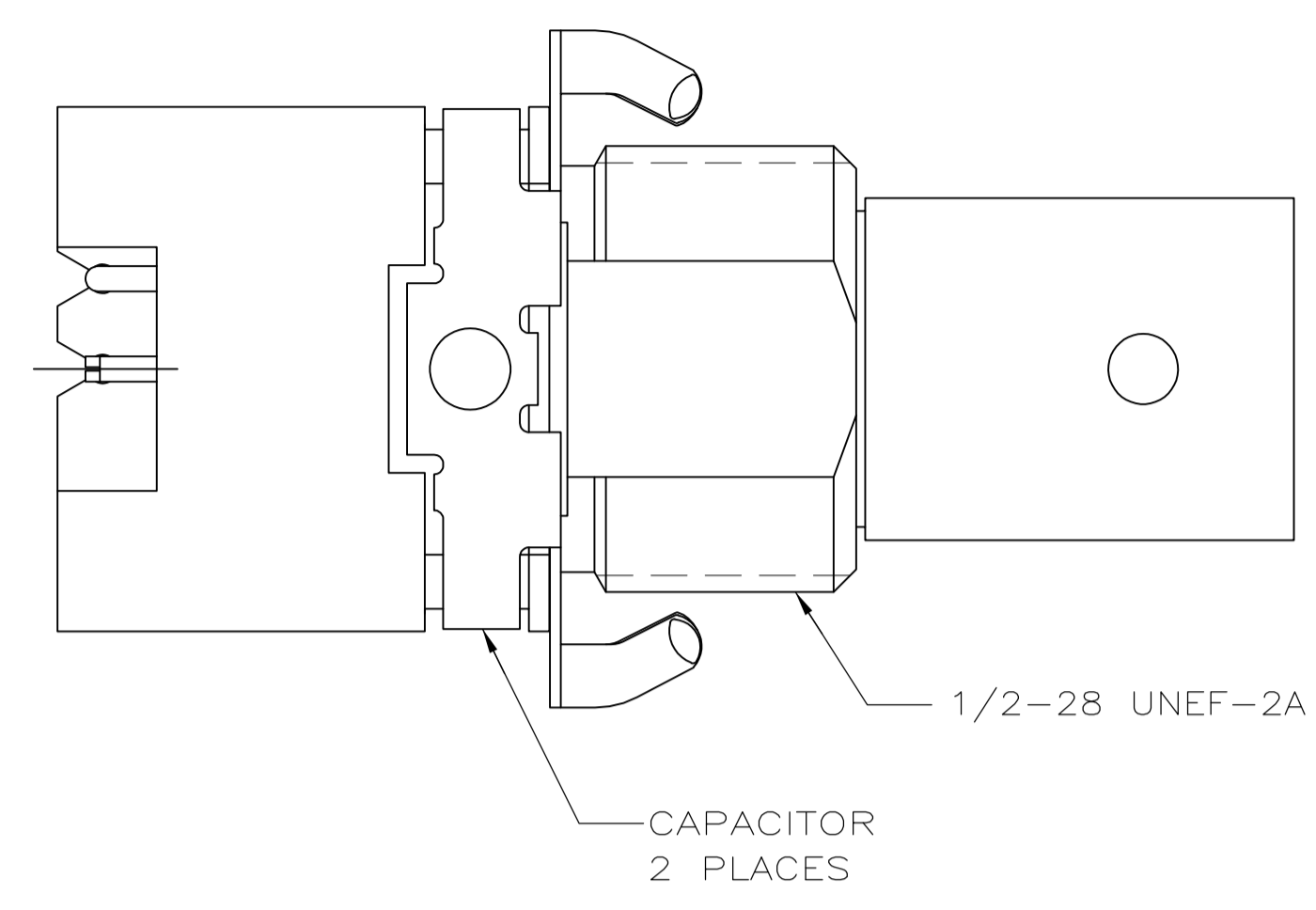**Quick Links**
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LOC	DIST		REVISIONS			
AJ	16	P	LTR	DESCRIPTION	DATE	DWN	APVD
			A	REV PER ECO 08-009474	7/22/2008	DW	JL

Notes:

△1 POLYESTER, PBT, BLACK, PER MIL-M-24519.

△2 POLYMETHYLPENTENE GENERAL PURPOSE.

△3 ZINC PER QQ-Z-363.

△4 PHOSPHOR BRONZE PER QQ-B-750.

△5 BRASS PER ASTM-B-453.

△6 NICKEL PL PER QQ-N-290.

△7 TIN PLATE PER ASTM-B-545

△8 SELECTIVELY GOLD PLATED ON INTERFACE AREA PER MIL-G-45204, 0.76 [.000030] THK, TIN PLATE ON SOLDER TAIL PER ASTM-B-545, ALL OVER NICKEL PL PER QQ-N-290.

△9 ESD DEVICE, VOLTAGE BREAKDOWN <3.5KVDC.

1/2-28 UNEF-2A

CAPACITOR 2 PLACES

14.76 [.581]

△2 DIELECTRIC

13.18±0.25 [.519±.010] MOUNTING HEIGHT

6.91±0.38 [.272±.015]

3.43±0.38 [.135±.015]

0.63 [.025] TYP

2.79±0.25 [.110±.010]

MOUNTING POST △4 △7

GROUND POST △5 △7

CENTER CONTACT △4 △8

34.93±0.64 [1.375±.025]

20.96±0.51 [.825±.020]

0.30 [.012]

2.54 MAX [.100] RECOMMENDED PANEL MOUNTING

BODY △1

INSERT △3 △6 △9

11.07 MAX [.436]

△3 △6 SHELL

7.62±0.51 [.300±.020]

3.81±0.64 [.150±.025]

8.51±0.25 [.335±.010]

19.30 MAX [.760]

CLIP △4 △6

PCB CONFIGURATION

10.16±0.08 [.400±.003]

2.01±0.08 DIA [.079±.003] 2 HOLES

0.89±0.08 DIA [.035±.003] 2 HOLES

5.08±0.05 [.200±.002]

2.54±0.05 [.100±.002]

5.08±0.05 [.200±.002]

RECOMMENDED PANEL CUTOUT

12.83 +0.13/-0.00 DIA [.505 +.005/-.000]

11.13 +0.13/-0.00 [.438 +.005/-.000]

7900 pf, 1500 VDC	5414651-3
CAPACITANCE & VOLTAGE	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN B. MCMASTER 09MAY05
CHK J. LIPPERT 09MAY05
APVD J. LIPPERT 09MAY05

ƎƎ Tyco Electronics

Tyco Electronics Corporation
Harrisburg, Pa 17105-3608

DIMENSIONS: INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± –
1 PLC ± –
2 PLC ± 0.20 [.008]
3 PLC ± –
4 PLC ± –
ANGLES ± –

PRODUCT SPEC 108-1269
APPLICATION SPEC —

NAME JACK, DECOUPLER, PCB RIGHT ANGLE, LOW PROFILE, ESD PROTECTED, BNC

MATERIAL SEE NOTES 1 – 5
FINISH SEE NOTES 6–8
WEIGHT –

SIZE A1 | CAGE CODE 00779 | DRAWING NO C-5414651

RESTRICTED TO –

RESTRICTED CUSTOMER

SCALE 5:1 | SHEET 1 OF 1 | REV A

AMP 4805 REV 31MAR2000