

1052901-1 Product Details

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1052901-1

TE Internal Number: 1052901-1

 Active

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SMA/QMA RF Connectors

 Always EU RoHS/ELV Compliant
(Statement of Compliance)

Product Highlights:

- Applies To Printed Circuit Board
- Connector - RF
- RF Connector Type = SMA
- Jack
- Without Snap-Lock

[View all Features](#)

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Documentation & Additional Information

Product Drawings:

- [OSM 2 HOLE FLANGE MOUNT JACK RECEPTACLE-STRAIGHT TER...](#)
(PDF, English)

Catalog Pages/Data Sheets:

- None Available

Product Specifications:

- None Available

Application Specifications:

- None Available

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](#)

Related Products:

- [Tooling](#)

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

Product Type Features:

- [Product Type](#) = Connector - RF
- RF Connector Type = SMA
- [Gender](#) = Jack
- [PCB Mounting Orientation](#) = Vertical
- Terminal Configuration = Straight
- Dielectric Material = TFE Fluorocarbon

Mechanical Attachment:

- [Panel Mount Retention](#) = With
- [Panel Mount Retention Type](#) = Flanged
- [Panel Attachment Style](#) = Front Mount
- [Number of Panel Mount Holes](#) = 2

Electrical Characteristics:

- Impedance (Ω) = 50

Contact Features:

- [Center Contact](#) = With
- Center Contact Material = Beryllium Copper
- Center Contact Plating = Gold

Configuration Features:

- Snap-Lock = Without

Industry Standards:

- Government/Industry Qualification = No
- [RoHS/ELV Compliance](#) = RoHS compliant, ELV compliant
- [Lead Free Solder Processes](#) = Wave solder capable to 260°C, Wave solder capable to 240°C, Wave solder capable to 265°C, Reflow solder capable to 245°C, Reflow solder capable to 260°C, Pin-in-Paste capable to 245°C, Pin-in-Paste capable to 260°C
- RoHS/ELV Compliance History = Always was RoHS

Dimensions:

- Length (mm [in]) = 13.87 [0.546]

Body Features:

- Body Style = Straight
- Body Material = Stainless Steel
- Body Finish = Gold

compliant

Conditions for Usage:

- Applies To = Printed Circuit Board

Other:

- Brand = AMP

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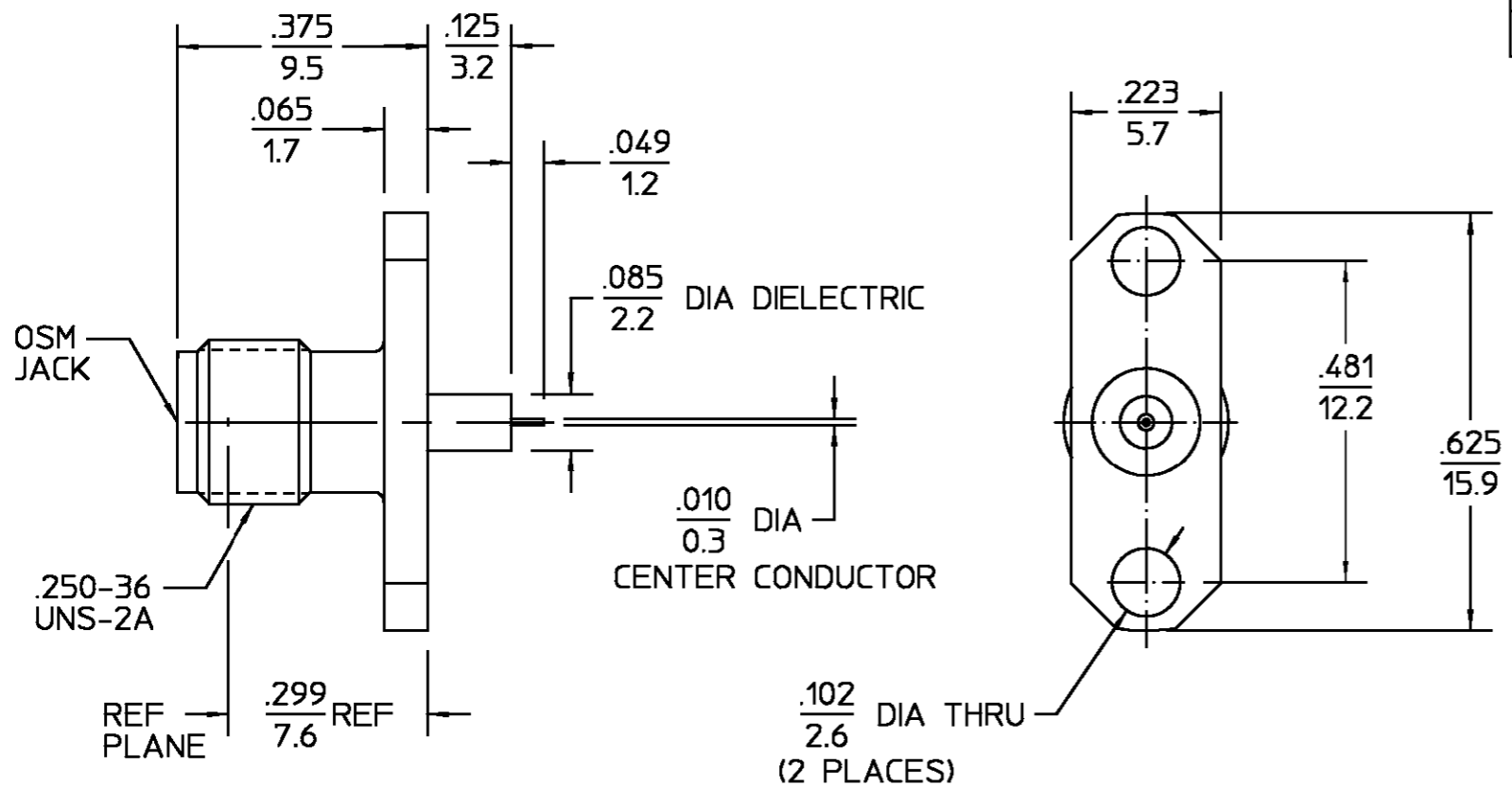
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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
01 2	REVISED	T.W. 9/5/96	ICom 9/6/96

ELECTRICAL
Nominal Impedance (Ohms) <u>50</u>
Frequency Range (GHz) DC to <u>18.0</u>
Volt Rating (VRMS MAX) @ Sea Level <u>335</u>
VSWR <u>1.07 + .01 f(GHz)</u>
Insertion Loss (dB MAX) <u>.03 √f(GHz)</u>
RF Leakage (dB MIN) <u>-[60-f(GHz)]</u>
Corona, 70,000 Ft (VRMS MIN) <u>250</u>
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>1000</u>
Contact Resistance (Milliohms MAX) Center Contact <u>2.0</u> Outer Contact <u>2.0</u> Cable to Housing <u>N/A</u>
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) <u>670</u>
I.R.(Megohms MIN) <u>10000</u>

MECHANICAL
Interface Dimensions MIL-STD-348A, Fig. <u>310.2</u>
Recommended Mating Torque <u>7-10 IN LBS</u>
Mating Characteristics: Insertion (MAX Lbs) <u>3.0</u> Withdrawal (MIN Oz) <u>1.0</u>
Force to Engage and Disengage (In-Lbs MAX) <u>2.0</u>
Center Contact Captivation Axial (Lbs) <u>6.0</u> Radial (In-Oz) <u>4.0</u>
Cable Retention Axial Force (Lbs) <u>N/A</u> Torque (In-Oz) <u>N/A</u>
Weight (Grams) <u>1.6</u>

ENVIRONMENTAL
Temperature Rating <u>-65°C to +105°C</u>
Vibration MIL-STD-202, Method 204, Condition D
Shock MIL-STD-202, Method 213, Condition I
Thermal Shock MIL-STD-202, Method 107, Condition A
Moisture Resistance MIL-STD-202, Method 106
Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
<u>.XXX = in</u> <u>XX.X = mm (REF)</u>

COMPONENT	MATERIAL	FINISH
HOUSING	STAINLESS STEEL PER ASTM-A484 AND ASTM- A582, TYPE 303	GOLD PLATE PER MIL-G-45204
DIELECTRIC	TFE FLUOROCARBON PER ASTM-D-1457	N/A
CENTER CONTACT	BERYLLIUM COPPER PER ASTM B 196, ALLOY C17300, CONDITION H	GOLD PLATE PER MIL-G-45204

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON FRAC. DEC. ANGLES ± 1/64 ±.005 ± °	DRAWN BY <u>JB</u>	DATE <u>3/31/76</u>	AMP AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599
	CHECKED BY <u>RMF</u>	<u>3/31/76</u>	
APPD BY <u>BWC</u>	<u>4/1/76</u>		

TITLE OSM 2 HOLE FLANGE MOUNT JACK RECEPTACLE STRAIGHT TERMINAL			
SIZE <u>B</u>	CODE IDENT NO. <u>26805</u>	PART NO. <u>2052-5674-00</u>	REV <u>01 2</u>
SCALE <u>4:1</u>		SHEET 1 OF 1	