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1054869-1 Product Details

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1054869-1

TE Internal Number: 1054869-1

Active

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SMA/QMA RF Connectors

Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:

- Adapter
- RF Connector Type = SMA
- Without Snap-Lock
- Adapter Type = Jack-Jack
- Body Style = Straight

[View all Features](#)

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Documentation & Additional Information

Product Drawings:

- [OSM BULKHEAD FEEDTHROUGH JACK TO JACK ADAPTER](#) (PDF, English)

Catalog Pages/Data Sheets:

- [SMA Connectors](#) (PDF, English)

Product Specifications:

- [SMA In-Series Adapters](#) (PDF, English)

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](#) = Adapter
- RF Connector Type = SMA
- [Adapter Type](#) = Jack-Jack
- Captivated Contacts = With
- Dielectric Material = TFE Fluorocarbon

Mechanical Attachment:

- [Panel Mount Retention](#) = With
- [Panel Mount Retention Type](#) = Bulkhead
- [Panel Attachment Style](#) = Rear Mount

Electrical Characteristics:

- Frequency = DC - 18 GHz

Dimensions:

- [Length \(mm \[in\]\)](#) = 22.20 [0.874]

Body Features:

- Snap-Lock = Without
- [Body Style](#) = Straight
- [Body Material](#) = Stainless Steel
- [Body Finish](#) = Passivated

Contact Features:

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

Configuration Features:

- [Captivation Method](#) = Epoxy

Industry Standards:

- [Government/Industry Qualification](#) = 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

Other:

- [Brand](#) = AMP

Corporate Information

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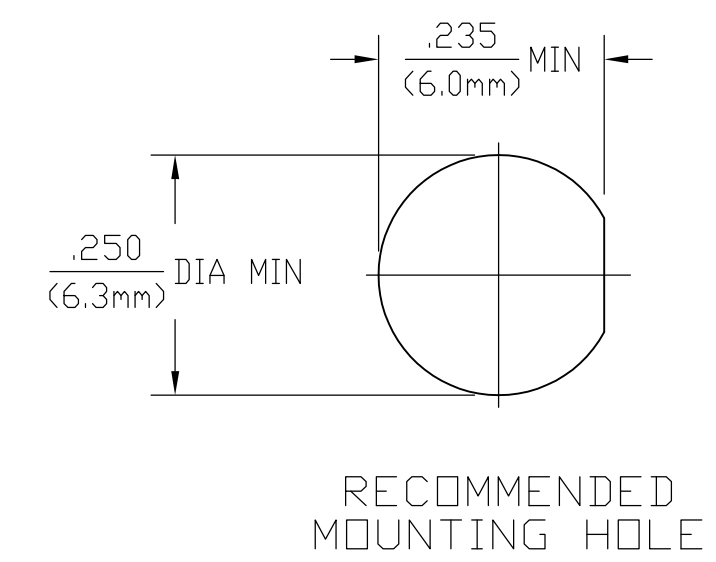
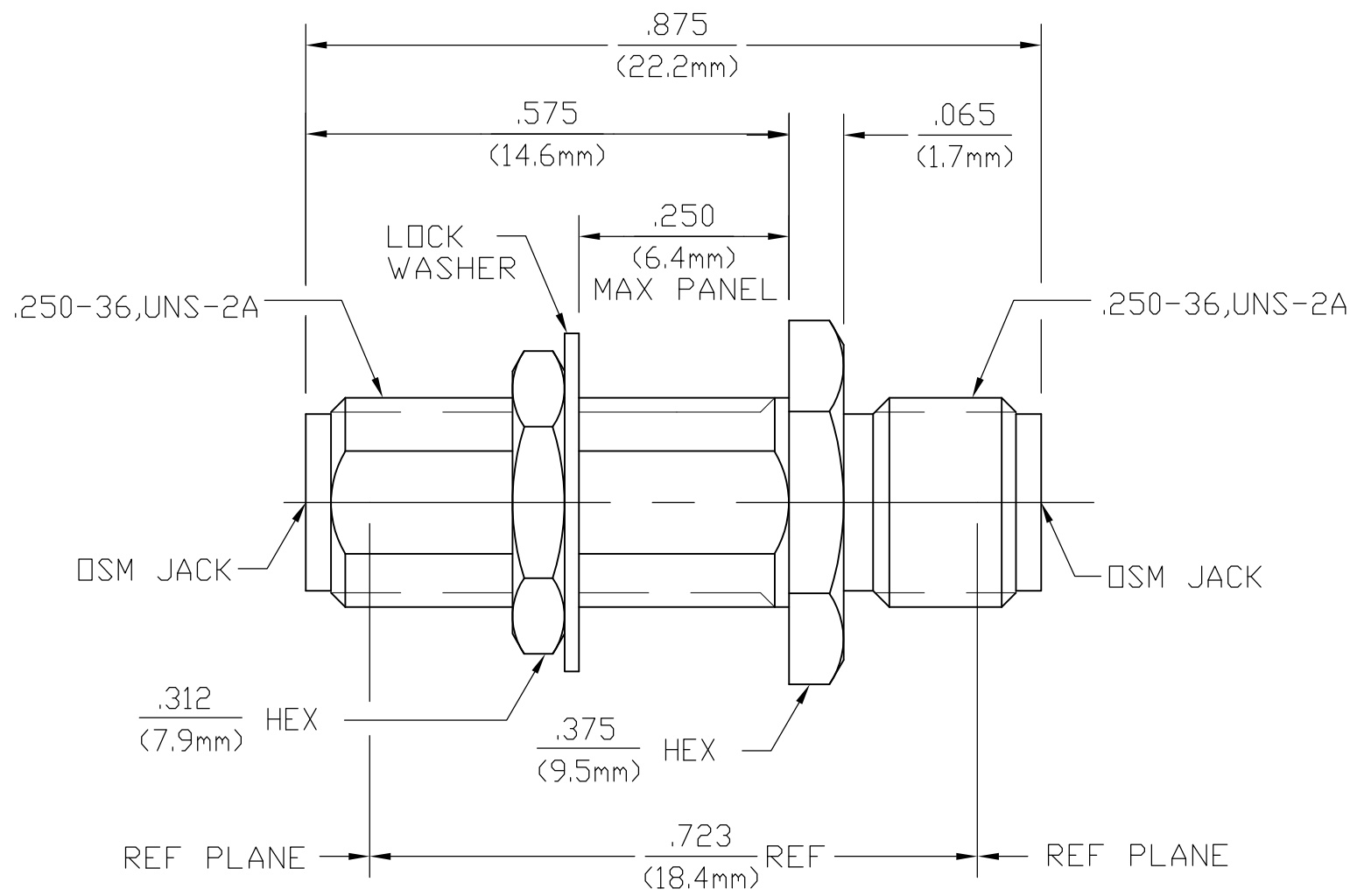
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LOC	DIST	REVISIONS					
AJ	16	P	LTR	DESCRIPTION	DATE	DWN	APVD
		B1		REVISED PER ECO-11-005030	11MAR11	RK	HMR



ELECTRICAL	MECHANICAL	ENVIRONMENTAL	HOUSING	DIELECTRIC	CENTER CONTACT	COMPONENT	MATERIAL	FINISH	PACKAGING	PART NUMBER
Nominal Impedance (Ohms) <u>50</u>	Interface Dimensions MIL-STD-348A, Fig. 310.2 BOTH ENDS	TEMPERATURE RATING <u>-65°C TO +125°C</u>	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	TFE FLUOROCARBON PER ASTM-D-1457	BERYLLIUM COPPER PER ASTM B 196, ALLOY C17300, CONDITION H	THIS DRAWING IS A CONTROLLED DOCUMENT.			KIT	1054869-3
Frequency Range (GHz) <u>DC to 18</u>	Recommended Mating Torque <u>N/A</u>	Vibration MIL-STD-202, Method 204, Condition D.				DIMENSIONS: INCHES[MM]			BULK	1054869-1
Volt Rating (VRMS MAX) @ Sea Level <u>335</u>	Mating Characteristics: Insertion (MAX Lbs) <u>3.0</u>	Shock MIL-STD-202, Method 213, Condition I.				TOLERANCES UNLESS OTHERWISE SPECIFIED:				
VSWR <u>1.05 +.005</u>	Withdrawal (MIN Oz) <u>1.0</u>	Thermal Shock MIL-STD-202, Method 107, Condition C, except HIGH TEMP SHALL BE +115°C.				0 PLC ± -				
Insertion Loss (dB MAX) <u>.03 √f(GHz)</u>	Force to Engage and Disengage (In-Lbs MAX) <u>2.0</u>	Moisture Resistance MIL-STD-202, Method 106				1 PLC ± -				
RF Leakage (dB MIN) <u>60 @ 2 to 3 GHz</u>	Center Contact Captivation Axial (Lbs) <u>6.0</u>	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray				2 PLC ± -				
Corona, 70,000 Ft (VRMS MIN) <u>250</u>	Radial (In-Oz) <u>4.0</u>					3 PLC ± .005				
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>1,500</u>	Cable Retention Axial Force (Lbs) <u>N/A</u>					4 PLC ± -				
Contact Resistance (Milliohms MAX) Center Contact <u>4.0</u>	Torque (In-Oz) <u>N/A</u>					ANGLES ± 1°				
Outer Contact <u>2.0</u>	Weight (Grams) <u>3.8</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>5,000</u>										

STE TE Connectivity

OSM BULKHEAD FEEDTHROUGH JACK TO JACK ADAPTER

APVD: E.F. HOYLE 1/25/89, L. ROSS 2/10/89, [Signature] 2/22/89

PRODUCT SPEC, APPLICATION SPEC, WEIGHT -

SIZE: A3, CAGE CODE: 00779, DRAWING NO: C-1054869, RESTRICTED TO: -

CUSTOMER DRAWING, SCALE: 5:1, SHEET: 1 OF 1, REV: B1