



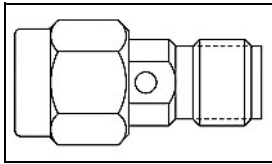
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1054426-1 Product Details

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1054426-1

TE Internal Number: 1054426-1

Active

SMA/QMA RF Connectors

Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:

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

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Documentation & Additional Information	
<p>Product Drawings:</p> <ul style="list-style-type: none"> • OSM PLUG TO OSM JACK ADAPTER (PDF, English) <p>Catalog Pages/Data Sheets:</p> <ul style="list-style-type: none"> • SMA Connectors (PDF, English) <p>Product Specifications:</p> <ul style="list-style-type: none"> • SMA In-Series Adapters (PDF, English) <p>Application Specifications:</p> <ul style="list-style-type: none"> • None Available <p>Instruction Sheets:</p> <ul style="list-style-type: none"> • None Available <p>CAD Files:</p> <ul style="list-style-type: none"> • None Available 	<p>Related Products:</p> <ul style="list-style-type: none"> • Tooling

[List all Documents](#)

Product Features (Please use the Product Drawing for all design activity)	
<p>Product Type Features:</p> <ul style="list-style-type: none"> • Product Type = Adapter • RF Connector Type = SMA • Adapter Type = Plug-Jack • Captivated Contacts = With • Dielectric Material = TFE Fluorocarbon • Coupling Nut Material = Stainless Steel • Coupling Nut Finish = Passivated <p>Mechanical Attachment:</p> <ul style="list-style-type: none"> • Panel Mount Retention = Without <p>Electrical Characteristics:</p> <ul style="list-style-type: none"> • Frequency = DC - 18 GHz <p>Dimensions:</p> <ul style="list-style-type: none"> • Length (mm [in]) = 18.30 [0.720] <p>Body Features:</p> <ul style="list-style-type: none"> • Snap-Lock = Without • Body Style = Straight • Body Material = Stainless Steel • Body Finish = Passivated • Gasket Material = Silicone Rubber • Retaining Ring Material = Beryllium Copper 	<p>Contact Features:</p> <ul style="list-style-type: none"> • Center Contact = With • Center Contact Material = Beryllium Copper • Center Contact Plating = Gold <p>Configuration Features:</p> <ul style="list-style-type: none"> • Captivation Method = Epoxy <p>Industry Standards:</p> <ul style="list-style-type: none"> • 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 <p>Other:</p> <ul style="list-style-type: none"> • Brand = AMP

Corporate Information

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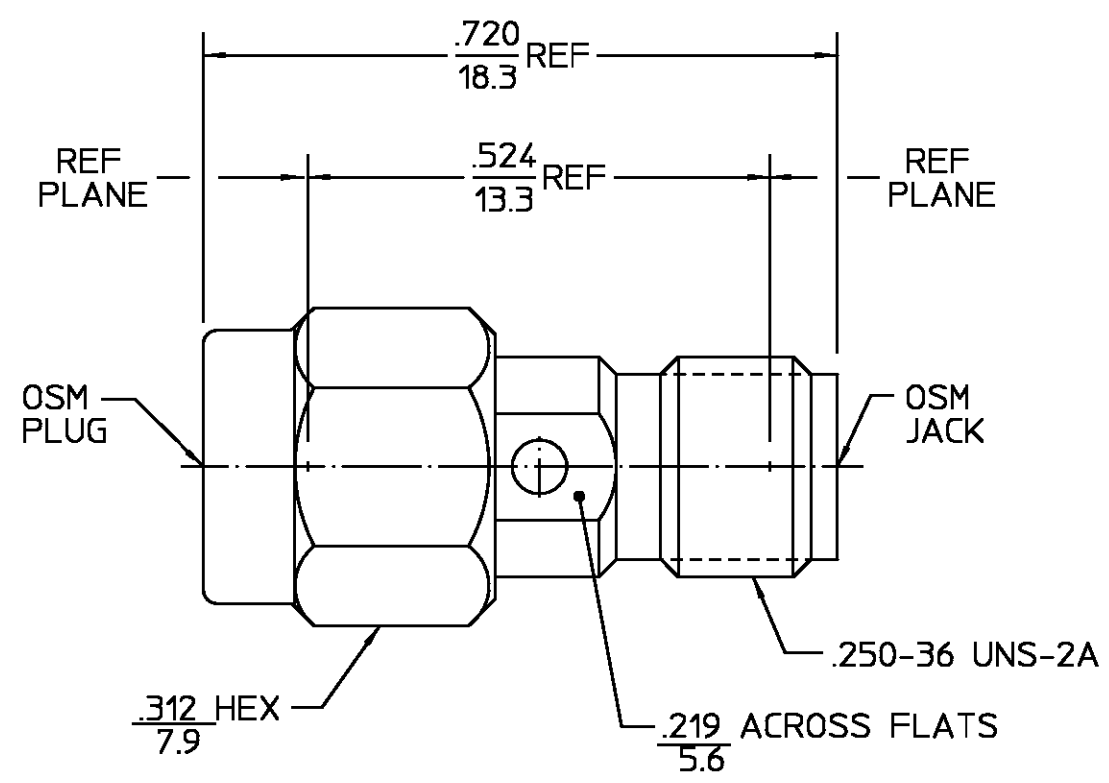
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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
02 ₂	REVISED	07/07/94	<i>AD</i>



HOUSING COUPLING NUT	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	PASSIVATE PER ASTM-A380
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
RETAINING RING	BERYLLIUM COPPER PER ASTM B 194, ALLOY C17200, CONDITION H	N/A
GASKET	SILICONE RUBBER PER ZZ-R-765	N/A

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) <u>50</u>	Interface Dimensions MIL-STD-348A Fig. 310.1 & 310.2	Temperature Rating <u>-65°C To 125°C</u>
Frequency Range (GHz) DC to <u>18</u>	Recommended Mating Torque <u>7-10 in-Lb</u>	Vibration MIL-STD-202, Method 204, Condition D
Volt Rating (VRMS MAX) @ Sea Level <u>335</u>	Mating Characteristics: Insertion (MAX Lbs) <u>3</u>	Shock MIL-STD-202, Method 213, Condition I
VSWR <u>1.05 + .005f(GHz)</u>	Withdrawal (MIN Oz) <u>1</u>	Thermal Shock MIL-STD-202, Method 107, Condition B, except high temp shall be +155°C
Insertion Loss (dB MAX) <u>.03 √f(GHz)</u>	Force to Engage and Disengage (In-Lbs MAX) <u>2</u>	Moisture Resistance MIL-STD-202, Method 106
RF Leakage (dB MIN) <u>[-60-f(GHz)]</u>	Center Contact Captivation Axial (Lbs) <u>6</u>	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Corona, 70,000 Ft (VRMS MIN) <u>250</u>	Radial (In-Oz) <u>4</u>	
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>1500</u>	Coupling Proof Torque (In-Lbs MIN) <u>15</u>	
Contact Resistance (Milliohms MAX) Center Contact <u>4.0</u>	Coupling Mechanism Retention Force (Lbs MIN) <u>60</u>	
Outer Contact <u>2.0</u>	Weight (Grams) <u>TBD</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>		

COMPONENT	MATERIAL	FINISH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON		
FRAC.	DEC.	ANGLES
± 1/64	± .005	± 1°
DRAWN BY R.L. DATE 7/18/73		AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599
CHECKED BY L.P. DATE 7/18/73		
APPD BY L.P. DATE 7/18/73		
USE ASSY PROCEDURE		TITLE OSM PLUG TO OSM JACK ADAPTER
NO. AP. <u>N/A</u>		SIZE B CODE IDENT NO. 26805 2082-5133-02 REV 02 ₂
SCALE 5:1		SHEET 1 OF 1

.XXX = in
XX.X = mm

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CUSTOMER DRAWING

AMP PART # 1054426-1
SHEET 1 OF 1 REV A