1050757-1 Product Details

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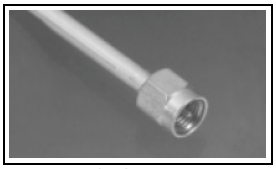

1050757-1

TE Internal Number: 1050757-1

Active

SMA/QMA RF Connectors

Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:

- Applies To Coaxial Cable
- Connector - RF
- RF Connector Type = SMA
- Plug
- Without Snap-Lock

View all Features

Quick Links

- Pricing & Availability
- Search for Tooling
- Product Feature Selector
- Contact Us About This Product

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Documentation & Additional Information

Product Drawings:
- OSM STRAIGHT CABLE PLUG DIRECT SOLDER ATTACHMENT (PDF, English)

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

Product Specifications:
- None Available

Application Specifications:
- None Available

Instruction Sheets:
- SMA Straight Cable Plug Connectors 1050541-1, 105054... (PDF, English)

CAD Files:
- None Available

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 = Plug
- Retractable Collar = Without
- Coupling Nut Material = Stainless Steel
- Coupling Nut Finish = Passivated

Mechanical Attachment:
- Panel Mount Retention = Without
- Safety Wire Holes = Without

Electrical Characteristics:
- Frequency = DC - 18 GHz
- Insulation Resistance (MΩ) = 10,000

Termination Features:
- Coaxial Cable Termination Type = Solder

Dimensions:
- Length (mm [in]) = 8.38 [0.330]

Body Features:
- Body Style = Straight
- Body Material = Stainless Steel
- Body Finish = Gold
- Gasket Material = Silicone Rubber
- Retaining Ring Material = Beryllium Copper

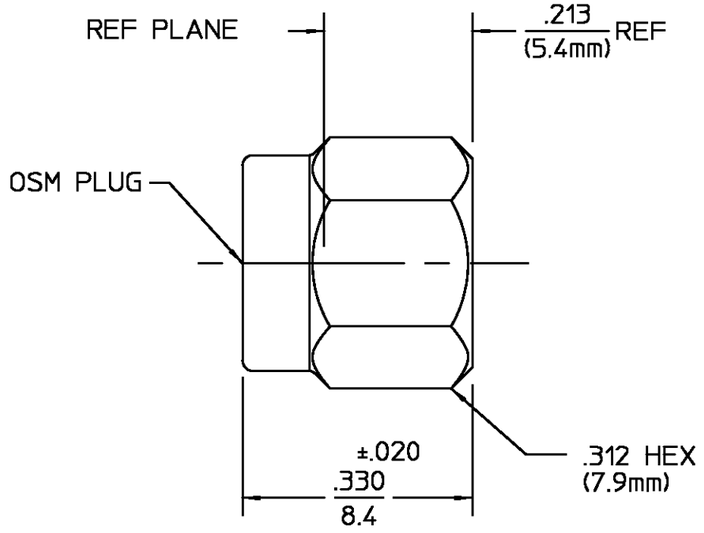
Contact Features:
- Center Contact = Without

Configuration Features:
- Snap-Lock = Without
- Coaxial Cable Type (RG/U or Mfg.) = 402 Semi-Rigid/3.58 [.141]

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

Conditions for Usage:
- Applies To = Coaxial Cable

Other:
- Brand = AMP



DESIGNED FOR USE WITH .141 DIA S.R. CABLE	
CABLE ENTRY DIAMETER MINIMUM	
HOUSING	.144

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
03_4	.330±.020 WAS .330MAX, ECN 86-0359	M.B. 5/15/86	L.BELOPOLSKY
03_5	REDRAWN ON CAD PER ECN 88-0678	BB 9-3-91	12/5/91

COMPONENT	MATERIAL	FINISH
HOUSING	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	GOLD PLATE PER MIL-G-45204 OVER NICKEL PLATE PER QQ-N-290
COUPLING NUT	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	PASSIVATE PER ASTM-A380
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) 50	Interface Dimensions MIL-STD-348A, Fig. 310.3	Temperature Rating -65°C to 105°C
Frequency Range (GHz) DC to 18.0	Recommended Mating Torque 7 to 10 in-LBs	Vibration MIL-STD-202, Method 204, Condition D
Volt Rating (VRMS MAX) @ Sea Level 335	Mating Characteristics: Insertion (MAX Lbs) N/A	Shock MIL-STD-202, Method 213, Condition I
VSWR 1.02 + .005f(GHz)	Withdrawal (MIN Oz) N/A	Thermal Shock MIL-STD-202, Method 107, Condition B, Except High Temp 115°C
Insertion Loss (dB MAX) .03 $\sqrt{f(GHz)}$	Force to Engage and Disengage (In/Lbs MAX) 2.0	Moisture Resistance MIL-STD-202, Method 106, No Measurement At High Humidity
RF Leakage (dB MIN) -(90-f(GHz)	Center Contact Captivation Axial (Lbs) N/A	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Corona, 70,000 Ft (VRMS MIN) 250	Radial (In/Oz) N/A	
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level N/A	Cable Retention Axial Force (Lbs) 60 MIN	
Contact Resistance (Milliohms MAX) Center Contact N/A	Torque (In/Oz) 55	
Outer Contact 2.0	Weight (Grams) T.B.D.	
Cable to Housing 0.5		
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) 670		
I.R.(Megohms MIN) 10,000		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON
FRAC. ± 1/64 DEC. ±.005 ANGLES ± 1°

DRAWN BY JPD DATE 9/8/76
CHECKED BY
APP'D BY RNF 12/6/76

USE ASS'Y PROCEDURE

NO. A.P. 408-04761 (20-001)

AMP Incorporated
140 Fourth Avenue
Waltham, MA 02451-7599

TITLE OSM STRAIGHT CABLE PLUG DIRECT SOLDER ATTACHMENT

SIZE	CODE IDENT NO.		REV
B	26805	2001-7941-02	03_5

SCALE 5:1 SHEET 1 OF 1

CUSTOMER DRAWING

AMP PART # 1050757-1
SHEET 1 OF 1 REV A