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1058083-1 Product Details

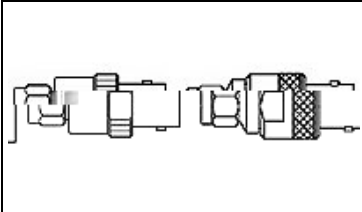Share Print Email

1058083-1

TE Internal Number: 1058083-1

✔ Active

Between Series Adapters, RF Connectors

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

Product Highlights:
- Plug-Jack
- Adapter Type = SMA - BNC
- RoHS compliant, ELV compliant
- Lead Free Solder Processes = Not relevant for lead free process

View all Features

Quick Links
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Documentation & Additional Information

Product Drawings:
- BNC JACK TO OSM PLUG ADAPTER (PDF, English)

Catalog Pages/Data Sheets:
- RF Between Series Adapters (PDF, English)

Product Specifications:
- None Available

Application Specifications:
- None Available

Instruction Sheets:
- None Available

CAD Files:
- None Available

List all Documents

Related Products:
- Tooling

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

Product Type Features:
- Gender = Plug-Jack
- Adapter Type = SMA - BNC
- Coupling Nut Material = Stainless Steel
- Dielectric Material = TFE Fluorocarbon

Electrical Characteristics:
- Connector Impedance ( ) = 50
- Frequency = DC - 4 GHz

Body Features:
- Material = Stainless Steel, Brass (BNC)
- Gasket Material = Silicone Rubber
- Retaining Ring Material = Beryllium Copper
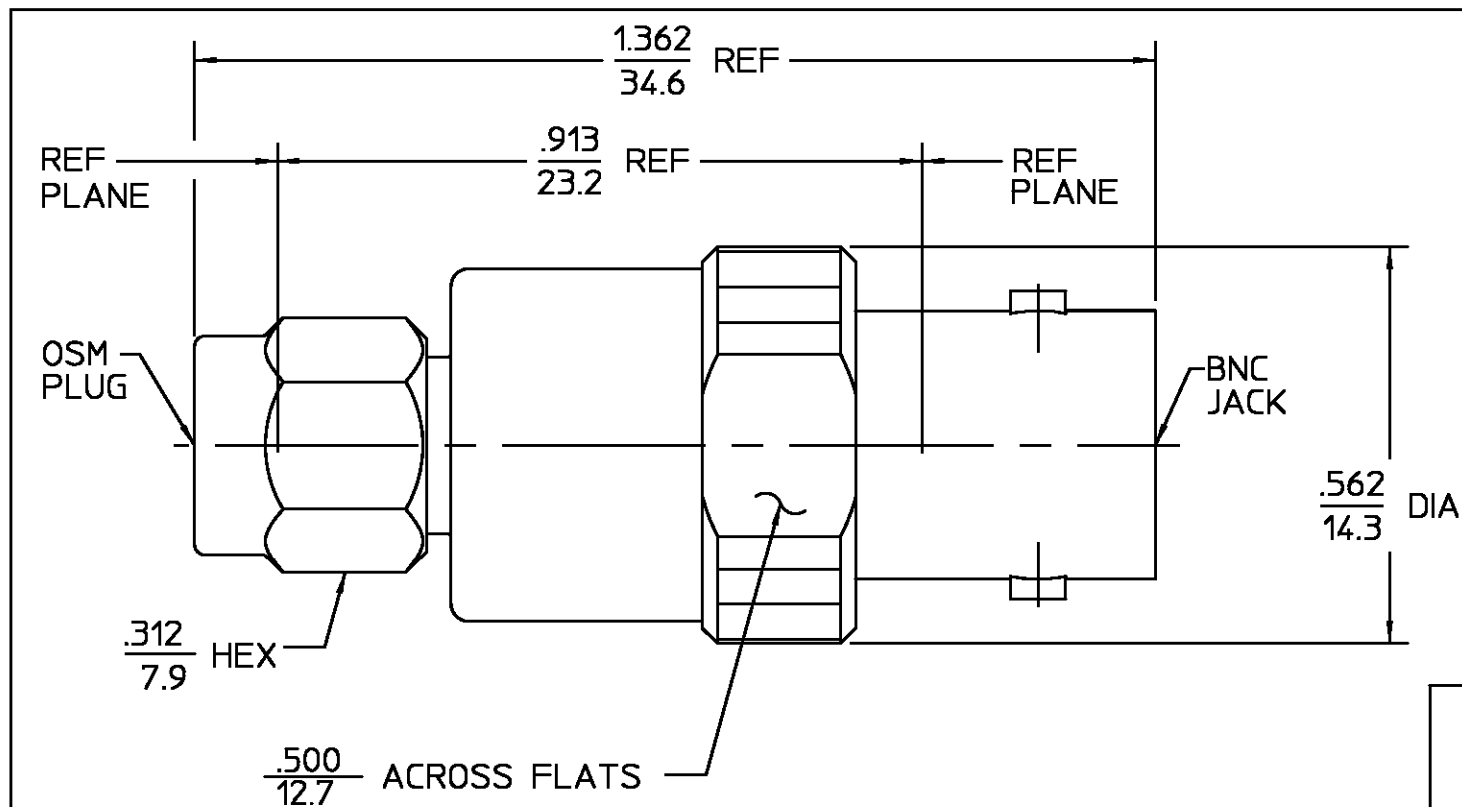
Contact Features:
- Center Contact Material = Beryllium Copper
- Center Contact Plating = Gold

Industry Standards:
- 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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Distributor Inventory

Customer Support

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1.362 / 34.6 REF

REF PLANE

.913 / 23.2 REF

REF PLANE

OSM PLUG

BNC JACK

.562 / 14.3 DIA

.312 / 7.9 HEX

.500 / 12.7 ACROSS FLATS

COMPONENT	MATERIAL	FINISH
HOUSING (OSB)	BRASS PER ASTM-B-16 HALF HARD	NICKEL PLATE PER QQ-N-290
HOUSING (OSM) 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

Nominal Impedance (Ohms) 50

Frequency Range (GHz) DC to 4

Volt Rating (VRMS MAX)

@ Sea Level 335

VSWR 1.30 Max at 0.5 to 4.0 GHz

Insertion Loss (dB MAX) $0.2\sqrt{f(GHz)}$

RF Leakage (dB MIN) -55, 2 to 3 GHz

Corona, 70,000 Ft (VRMS MIN) 250

Dielectric Withstanding Voltage

(VRMS MIN) @ Sea Level 1500

Contact Resistance (Milliohms MAX)

Center Contact 4.1

Outer Contact 2.2

RF High Potential @ Sea Level

(VRMS MIN @ 5 MHz) 670

I.R.(Megohms MIN) 5000

MECHANICAL

Interface Dimensions

BNC MIL-STD-348A Fig. 301.2

OSM MIL-STD-348A Fig. 310.1

Recommended Mating Torque

4-6 In-Lbs

Mating Characteristics:

	BNC	OSM
Insertion (Lbs Max)	2.0	N/A
Withdrawal (Oz Min)	2.0	N/A

Force to Engage/Disengage

Longitudinal

	BNC	OSM
Force (Lb Max)	3.0	N/A
Torque (In-Lb Max)	2.5	2.0

Contact Retention

Axial (Lbs Min) 6.0

Radial (In-Oz) N/A

Weight (Grams) TBD

ENVIRONMENTAL

Temperature Rating -65°C to +125°C

Vibration MIL-STD-202, Method 204, Condition D

Shock MIL-STD-202, Method 213, Condition I

Thermal Shock MIL-STD-202, Method 107, Condition C,

Moisture Resistance MIL-STD-202, Method 106

Corrosion – MIL-STD-202, Method 101, Condition B, 5% salt spray

DRAWN BY DRW	DATE 6/6/67
CHECKED BY KWW	6-9-77
APP'D BY RMF	6/9/77

AMP Incorporated
140 Fourth Avenue
Waltham, MA 02451-7599

USE ASS'Y PROCEDURE

NO. AP. N/A

TITLE BNC JACK TO OSM PLUG ADAPTER

SIZE B	CODE DENT NO. 26805	3282-2241-00	REV 01₂

SCALE 4:1

SHEET 1 OF 1

CUSTOMER DRAWING

AMP PART # 1058083-1
SHEET 1 OF 1 REV A