1050611-1 Product Details

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1050611-1

TE Internal Number: 1050611-1

Active

View 3D PDF

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

Add to My Part List | Request Sample | Find Similar Products | Buy Product

Documentation & Additional Information

Product Drawings:

- OSM LOW PROFILE STRAIGHT CABLE PLUG-COMPRESSION CRIM... (PDF, English)
- OSM LOW PROFILE STRAIGHT CABLE PLUG COMPRESSION CRIM... (PDF, English)

Catalog Pages/Data Sheets:

- SMA Connectors (PDF, English)

Product Specifications:

- None Available

Application Specifications:

- None Available

Instruction Sheets:

- OSM Straight Cable Plug Compression Crimp Attachment... (PDF, English)

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 = Plug
- Retractable Collar = Without
- Profile = Low
- Captivated Contacts = With
- 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) = 5,000

Termination Features:

- Coaxial Cable Termination Type = Crimp
- Crimp Type = Compression

Dimensions:

- Length (mm [in]) = 8.50 [0.334]

Body Features:

- Body Style = Straight
- Body Material = Stainless Steel
- Body Finish = Passivated
- 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.) = 405 Semi-Rigid/2.16 [.085]
- Captivation Method = Mechanical

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
- Comment = Length after crimping.

LOC	DIST
HC	00

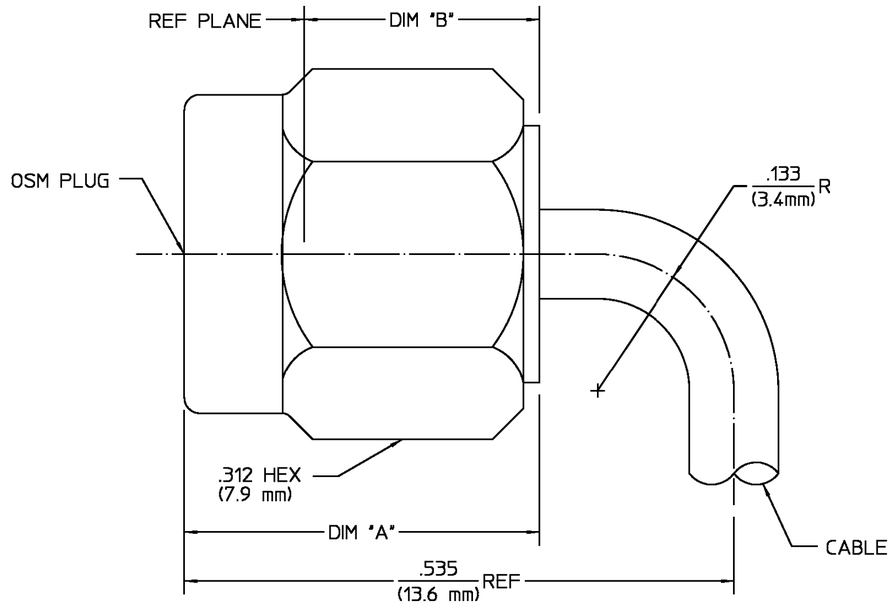
REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	ADDED DASH 2	11/9/00		DC
	B1	REV PER ECO-09-027197	9DEC09	KK	AEG

NOTES:
1. PICTORIAL VIEW IS AFTER CRIMPING
2. MIN STRAIGHT CABLE LENGTH: .175
3. IT IS SUGGESTED TO BEND CABLE PRIOR TO CRIMPING
4. BULK PACKAGED IN QTY'S OF 100

5 **OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI**

COMPONENT	MATERIAL	FINISH
HOUSING COUPLING NUT BUSHING	STAINLESS STEEL	PASSIVATE
DIELECTRIC	TFE FLUOROCARBON	N/A
CENTER CONTACT	BERYLLIUM COPPER	GOLD PLATE
RETAINING RING	BERYLLIUM COPPER	N/A
GASKET	SILICONE RUBBER	N/A



ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) 50	Interface Dimensions MIL-STD-348,	Temperature Rating -65° to +105°C
Frequency Range (GHz) DC to 18	Recommended Mating Torque	Vibration MIL-STD-202, Method
Volt Rating (VRMS MAX)	(In/Lbs) 7-10	204, Condition D
@ Sea Level 375	Center Contact Captivation	Shock MIL-STD-202, Method 213,
VSWR 1.05+.005f(GHz)	Axial (Lbs) 6	Condition I
Insertion Loss (dB MAX) .03x $\sqrt{f(GHz)}$	Radial (In/Oz) NONE	Thermal Shock MIL-STD-202,
RF Leakage (dB MIN) (Interface Only,	Cable Retention	Method 102, Condition C
Fully Mated) -(100-f(GHz))	Axial Force (Lbs) 30	Moisture Resistance MIL-STD-202,
Corona, 70,000 Ft (VRMS MIN) 335	Torque (In/Oz) 16	Method 106
Dielectric Withstanding Voltage	Weight (Grams) 2.1	Corrosion - MIL-STD-202, Method
(VRMS MIN) @ Sea Level 1000		101, Condition B
Contact Resistance (Milliohms MAX)		
Center Contact 2.0		
Outer Contact 2.0		
Cable to Housing 0.5		
RF High Potential @ Sea Level		
(VRMS MIN @ 5 MHz) 670		
I.R.(Megohms MIN) 5000		

DESIGNED FOR USE WITH .085 S.R.(RG 405/U)	
CABLE ENTRY DIAMETER MINIMUM	
HOUSING	.088
CONTACT	.021

	DIM "A"	DIM "B"
BEFORE CRIMPING	.335 ±.020 (8.5 mm)	.317 REF (8.1 mm)
AFTER CRIMPING	.335 ±.020 (8.5 mm)	.230 REF (5.8 mm)

5 OBSOLETE	4	~~1050611-2~~
	---	1050611-1
	COMMENTS	AMP P/N

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES
TOLERANCES UNLESS OTHERWISE SPECIFIED: DEC ± .005 ANGLES ±1°
MATERIAL –
FINISH –

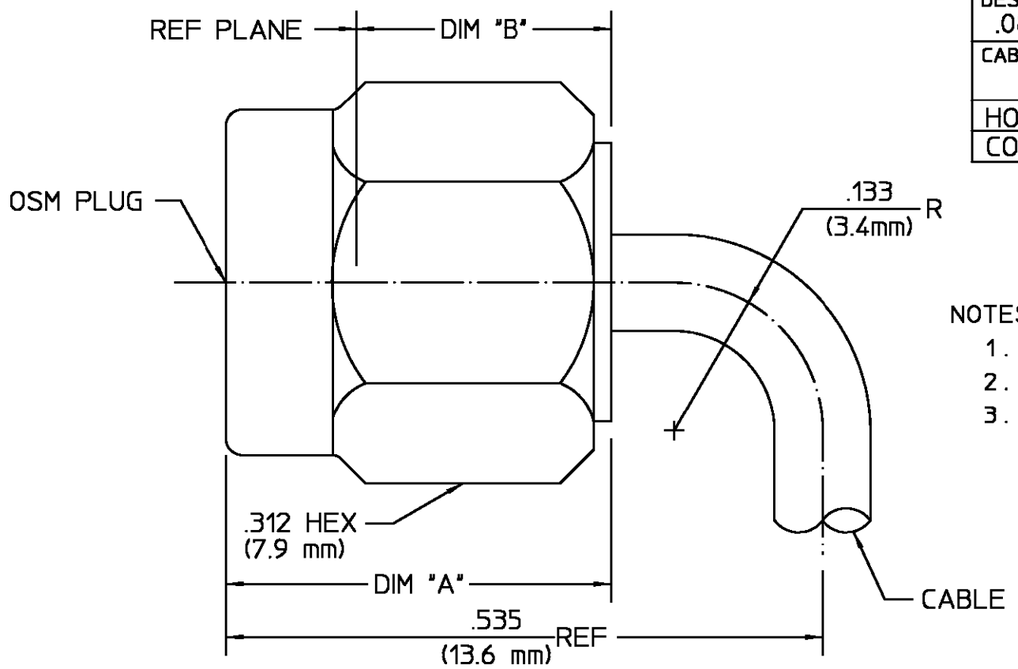
DWN DComelio 10/17/00
CHK
APVD
PRODUCT SPEC –
APPLICATION SPEC –
IS SHEET 408-4697

AMP Tyco Electronics Corporation Waltham MA. 02451-7599

NAME OSM LOW PROFILE STRAIGHT CABLE PLUG-COMPRESSION CRIMP ATTACHMENT (2001-5443-02)

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	26805	C- 1050611	—

CUSTOMER DRAWING | SCALE 10:1 | SHEET 1 OF 1 | REV B1



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CABLE ENTRY DIAMETER MINIMUM	
HOUSING	.088
CONTACT	.021

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A1	REVISED PER ECO-11-005294	13APR11	HMR

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RF High Potential @ Sea Level		
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I.R.(Megohms MIN) 5000		

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HOUSING COUPLING NUT BUSHING	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 OVER NICKEL PLATE PER QQ-N-290
RETAINING RING	BERYLLIUM COPPER PER ASTM B 194, ALLOY C17200, CONDITION H	N/A
GASKET	SILICONE RUBBER PER ZZ-R-765	N/A

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

DRAWN BY	D.CAM	DATE 12-10-85
CHECKED BY	RG	3-27-86
APP'D BY	RG	3-27-86

USE ASS'Y PROCEDURE

NO. A.P. 408-04697 (20-322)

TE Connectivity

TITLE OSM LOW PROFILE STRAIGHT CABLE PLUG COMPRESSION CRIMP ATTACHMENT

SIZE	CODE IDENT NO.		REV
B	26805	1050611-1	A1

SCALE 8:1 SHEET 1 OF 1

CUSTOMER DRAWING