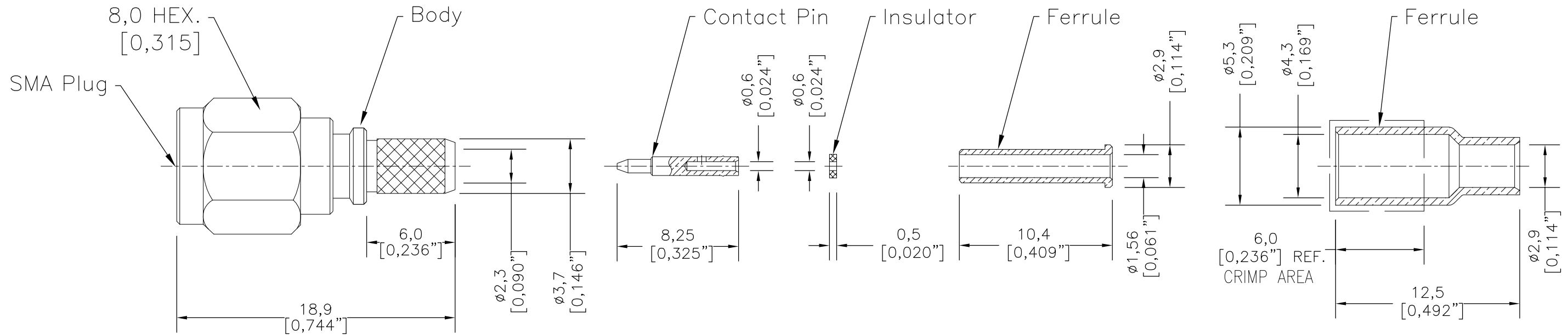


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SYM	REVISION DESCRIPTION	DFTM	DATE	APPD	DATE
A	RELEASED FOR PRODUCTION	JCL	2007.02.01	JDB	2007.02.01
B	Optimized performance	Joslen.W	2015.04.27	Tony.Z	2015.04.27
C	Correct CAP file	Monica.W	2018.11.27	Joslen.W	2018.11.27



**I. MATERIALS & FINISHES**

Components	Materials	Finishes	Thk. ( $\mu$ )
Body	Brass	Nickel	200
Center Cont.	Brass	Gold	15
Ferrule	Brass	Nickel	200
Nut	Brass	Nickel	200
Insulator	PTFE	--	--
Gasket	Silicone	--	--

**III. ENVIRONMENT PROPERTIES**

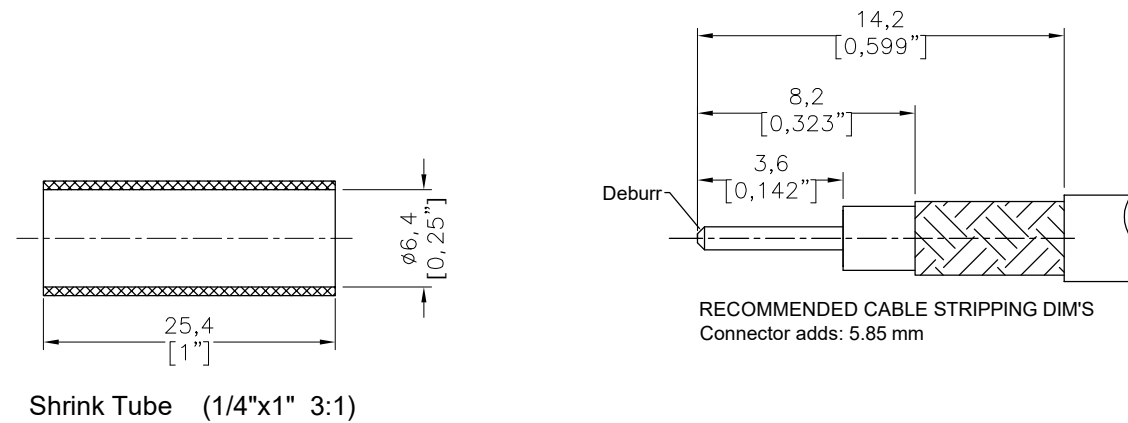
Temperature Range:	-40°C~+125°C
Thermal Shock:	MIL-STD 202G, Meth.107, Cond.B
Vibration:	MIL-STD 202G, Meth.204, Cond.D
Shock:	MIL-STD 202G, Meth.213, Cond I
Climatic Class:	IEC 60068 55/155/21
RoHS:	Compliant

**II. ELECTRICAL PROPERTIES**

Impedance ( $\Omega$ ):	50
Frequency Range (GHz):	DC to 6 GHz
Dielectric Withstanding Voltage (V):	500
Insulation Resistance (M $\Omega$ ):	$\geq 5000$
VSWR:	$\leq 1.2(0-3\text{GHz})$ $\leq 1.3(3-6\text{GHz})$
Insertion Loss(dB, f/GHz):	$-0.1x \sqrt{f}$

**IV. MECHANICAL PROPERTIES**

Center Cont.:	Solder
Outer Cont.:	Crimp
Coupling Nut Torque (in.lbs):	7-10
Cbl-Connector Retention Force (lbs):	20
Durability (cycles):	500



Compatible with Standard: IEC 60169-15

MATL:	UNLESS OTHERWISE SPECIFIED	DFTM:	JCL	 An Amphenol Company
USED ON: O	ALL DIMENSIONS ARE IN mm MACHINED SURFACES FINISH 1.6 RMS MAX. REMOVE ALL BURRS 0.15X45° MAX. BREAK MACHINE CORNERS 0.15X45° D MAX. FILLET R. TOLERANCES ON DECIMALS .X $\pm 0.3$ .XX $\pm 0.15$ ANGLES $\pm 2^\circ$ FRACTIONS $\pm N/A$	DATE	2007.02.01	
SCALE: N/A DWG SIZE A4		CHKD	JDB	
		DATE	2007.02.01	
		APPD	JDB	
	DO NOT SCALE DRAWING	DATE	2007.02.01	<b>SC-100-SM</b> SMA Male (Plug) Straight Solder Pin Connector for LMR-100A Cable
	CODE INTENT 68999	DATE	2007.02.01	1 OF 1 <b>3190-2245</b> REV C