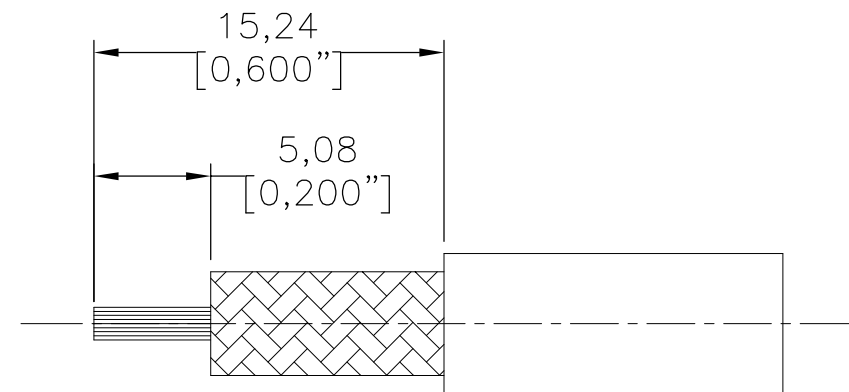
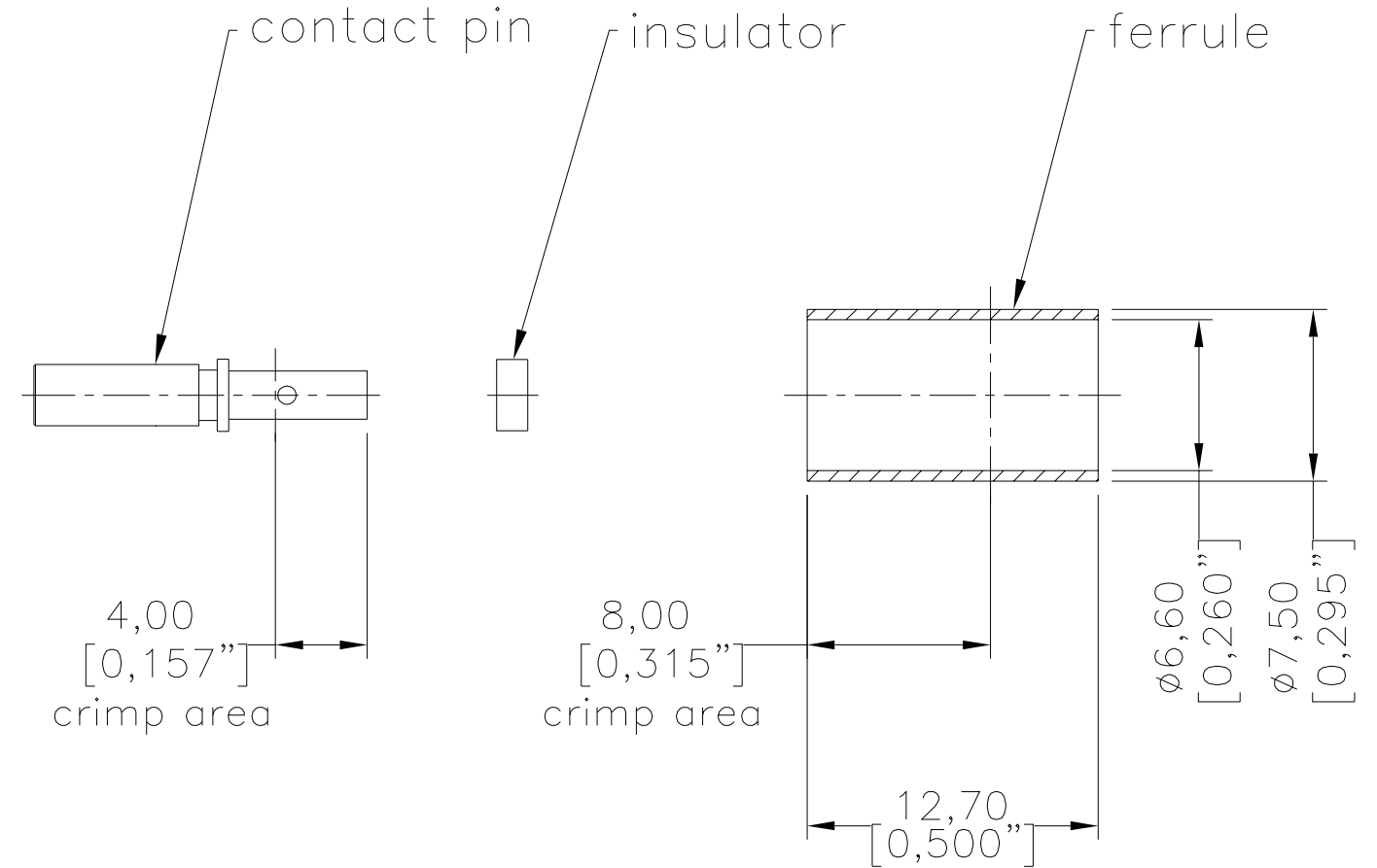
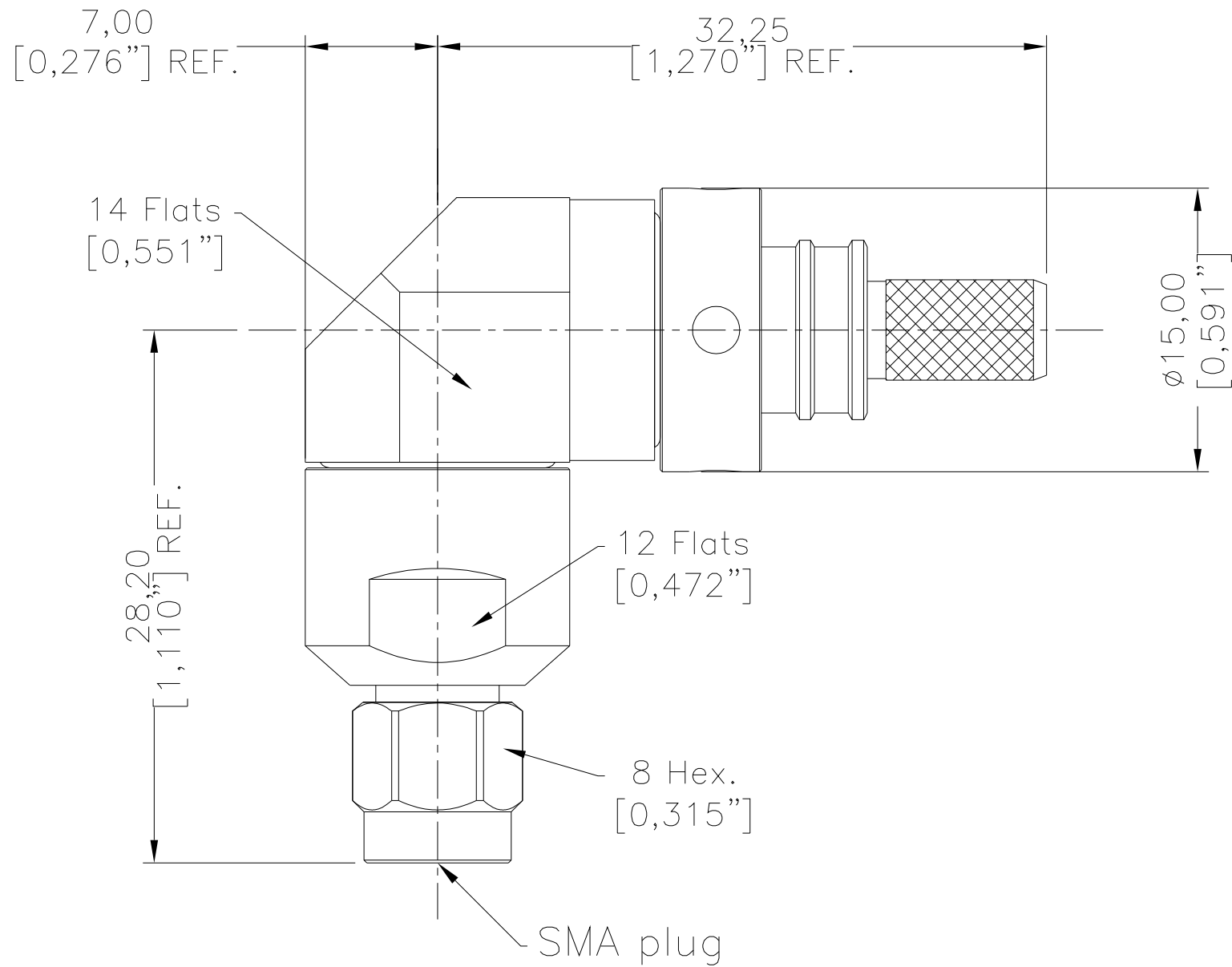


SYM	REVISION DESCRIPTION	DFTM	DATE	APPD	APPD
A	RELEASED FOR PRODUCTION	Patrick	2019/03/30	Joslen	2019/03/30



RECOMMENDED CABLE STRIPPING DIM'S  
 Connector Adds: 17.7 mm

**I. MATERIALS & FINISHES**

Components	Materials	Finishes	Thk. ( $\mu$ " )
Body	Brass	Sn-Ni	100
Contact Pin	Beryllium Copper	Gold	50
Insulator	PTFE	--	--
Coupling Nut	Brass	Sn-Ni	100
Ferrule	Brass	Sn-Ni	100
Gasket	Silicone Rubber	--	--

**II. ELECTRICAL PROPERTIES**

Impedance ( $\Omega$ ):	50
Frequency Range (GHz):	DC-6
Dielectric Withstanding Voltage (V):	1000
Insulation Resistance (M $\Omega$ ):	$\geq 5000$
VSWR: for solder center contact	$\leq 1.35$
for crimp center contact	$\leq 1.40$
Insertion Loss(dB, f in GHz):	$-0.1x\sqrt{f}$

**III. ENVIRONMENT PROPERTIES**

Temperature Range:	-65°C~+165°C
Thermal Shock:	MIL-STD 202G, Meth.107, Cond. B
Vibration:	MIL-STD 202G, Meth.204, Cond. B
Shock:	MIL-STD 202G, Meth.213, Cond. I
Climatic Class:	IEC 60068 55/155/21
RoHS:	Compliant

**IV. MECHANICAL PROPERTIES**

Center Contact:	Solder/Crimp
Outer Contact:	Crimp
Coupling Nut Torque (in.lbs):	7.1-9.7
Cbl-Connector Retention Force (lbs):	60
Durability (Cycles):	500

**V. TOOLING**

Stripping Tool:	N/A
Crimping Size	
Center Contact:	.068" HEX.
Outer Contact:	.255" HEX.
Heat Shrink Tube:	1/2"x1.5" (3:1) 1 pcs

Interface Compatible with Standard:  
 IEC 60169-15  
 MIL-STD-348

MATL:	UNLESS OTHERWISE SPECIFIED	DFTM. Patrick	<p><b>TC-3116-SM-RA-X</b>                  SMA Male (Plug) Right Angle                  Solder/Crimp Pin No Braid Trim                  Connector for TCA311601 Cable</p>
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 2019/03/30	
SCALE: N/A	DO NOT SCALE DRAWING	CHKD Monica	
DWG SIZE A3	CODE INFNT 68999	DATE 2019/03/30	
		APPD Joslen	DATE 2019/03/30
		SHT 1/1	3190-8058
		REV A	