

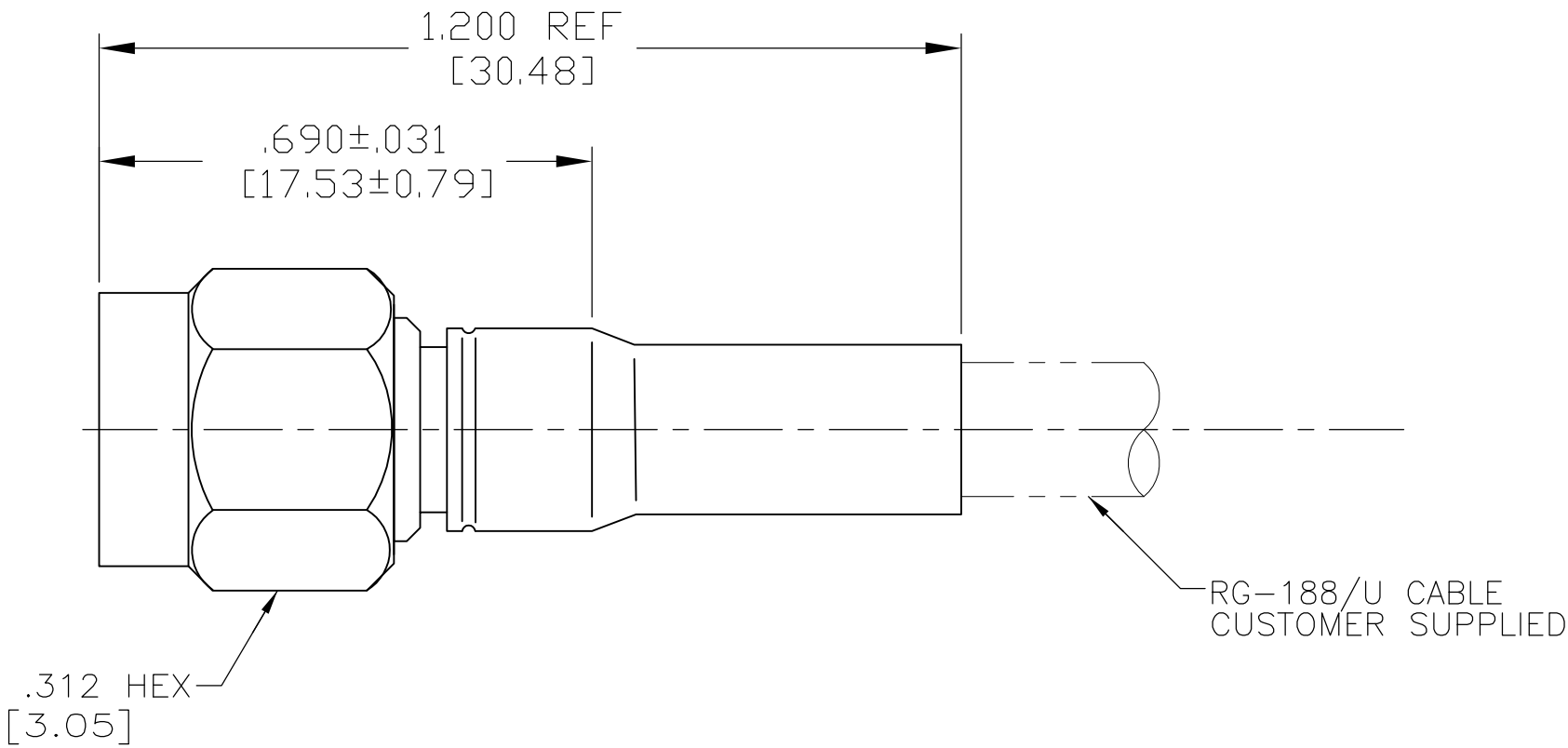
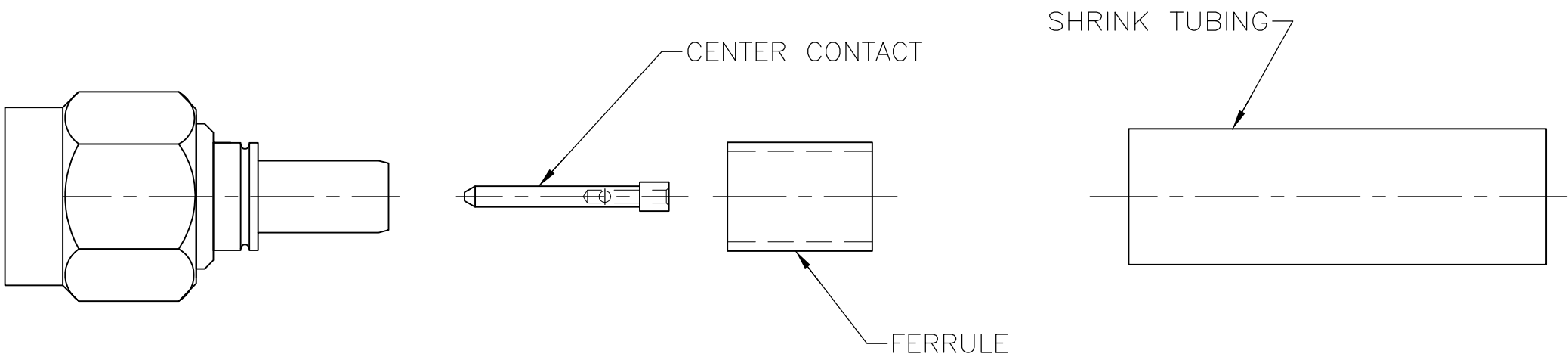
COMPONENT	MATERIAL	FINISH
HOUSING	STAINLESS STEEL PER ASTM-A-482 OR ASTM-A-582, TYPE 303	GOLD PLATED PER ASTM-B-488
DIELECTRIC	TFE FLUORCARBON PER ASTM-D-1457	-
CENTER CONTACT	BRASS PER ASTM B16	GOLD PLATED PER ASTM-B-488
COUPLING NUT	STAINLESS STEEL PER ASTM-A-482 OR ASTM-A-582, TYPE 303	PASSIVATED PER QQ-P-35
RETAINING RING	BERYLLIUM COPPER PER PER ASTM-B-194 ALLOY C17200, CONDITION H	-
GASKET	SILICONE RUBBER PER ZZ-R-765	-
SHRINK TUBING	HEAT SHRINKABLE POLYOLEFIN COMPOUND PER MIL-I-23053/11	-
FERRULE	COPPER OR BRASS ALLOY ROCKWELL F65 MAX	GOLD PLATED PER ASTM-B-488

ENVIRONMENTAL
TEMPERATURE RATING: -65° C TO +165° C
VIBRATION: MIL-STD-202, METHOD 204, CONDITION D
SHOCK: MIL-STD-202, METHOD 213, CONDITION I
MOISTURE RESISTANCE: MIL-STD-202, METHOD 106
CORROSION: MIL-STD-202, METHOD 101, CONDITION B. 5% SALT SPRAY
THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B EXCEPT HIGH TEMP 85°C

MECHANICAL
INTERFACE DIMENSIONS: MIL-STD-348A FIG. 310.1
RECOMMENDED MATING TORQUE: 7-10 IN-LBS
FORCE TO ENGAGE & DISENGAGE (IN-LBS MAX): 2.0
WEIGHT (GRAMS): 2.7
MATING CHARACTERISTICS: INSERTION (MAX LBS): N/A WITHDRAWAL (MIN OZ): N/A
CABLE RETENTION: AXIAL FORCE (LBS): 20 TORQUE (IN-OZ): N/A
CENTER CONTACT CAPTIVATION: AXIAL (LBS): N/A RADIAL (IN-OZ): N/A

ELECTRICAL
NORMAL IMPEDANCE (OHMS): 50
FREQUENCE RANGE (GHz): DC TO 12.4
VOLT RATING @ SEA LEVEL (VRMS MAX): 250
VSWR: 1.20: 1 MAX
INSERTION LOSS: (dB MAX): .15 √f(GHZ)@6GHZ
RF LEAKAGE (dB MIN): -60 @ 2-3 GHz
CORONA 70,000 FT (VRMS MIN): 190
DIELECTRIC WITHSTANDING VOLTAGE (VRMS MIN) AT SEA LEVEL: 750
I.R. (MEGOHMS MIN): 5000
RF HIGH POTENTIAL AT SEA LEVEL (VRMS MIN @ 5 MHz): 500
CONTACT RESISTANCE (MILLIOHMS MAX): CENTER CONTACT: 3.0 OUTER CONTACT: 2.0 CABLE TO HOUSING: 0.5

LOC	DIST	REVISIONS					
—	—	P	LTR	DESCRIPTION	DATE	DWN	APVD
			B	REV PER ECO 09-011021	5-7-09	CT	DW



DESIGNED TO USE RG-188U CABLE
CABLE ENTRY DIAMETER MIN
HOUSING: .066 [1.67]
CONTACT: .021 [0.53]
FERRULE: .126 [3.20]

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C.C.THOMAS 12-9-08	Tyco Electronics Corporation Harrisburg, PA 17105-3608			
DIMENSIONS: INCHES [mm]	TOLERANCES UNLESS OTHERWISE SPECIFIED:	CHK D.WILSON 12-8-08				
	0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± - 4 PLC ± - ANGLES ± -	APVD D.WILSON 12-9-08	NAME SMA STRAIGHT CABLE PLUG ASSY, SOLDER ATTACHMENT			
	MATERIAL SEE TABLE	FINISH SEE TABLE	APPLICATION SPEC 408-4756	SIZE A2	CAGE CODE 00779	DRAWING NO C=1663515
CUSTOMER DRAWING			WEIGHT -	RESTRICTED TO -	SCALE 4:1	SHEET 1 of 1
			REV B			