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WASHER
WEDGE
FERRULE

BRASS PER ASTM-B-16,
HALF HARD

GOLD PLATE PER
ASTM-B-488

HOUSING
COUPLING NUT
CLAMP NUT

STAINLESS STEEL PER
ASTM-A484 AND ASTM-
A582, TYPE 303

PASSIVATE PER
QQ-P-35

DIELECTRIC

PTFE FLUOROCARBON
PER ASTM-D-1457

N/A

CENTER CONTACT

BERYLLIUM COPPER PER
ASTM-B-196
ALLOY 173

GOLD PLATE PER
ASTM-B-488

RETAINING RING

BERYLLIUM COPPER
ASTM-B-194

N/A

GASKET

SILICONE RUBBER PER
ZZ-R-765

N/A

COMPONENT

MATERIAL

FINISH

LOC

DIST

REVISIONS

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P

LTR

DESCRIPTION

DATE

DWN

APVD

A

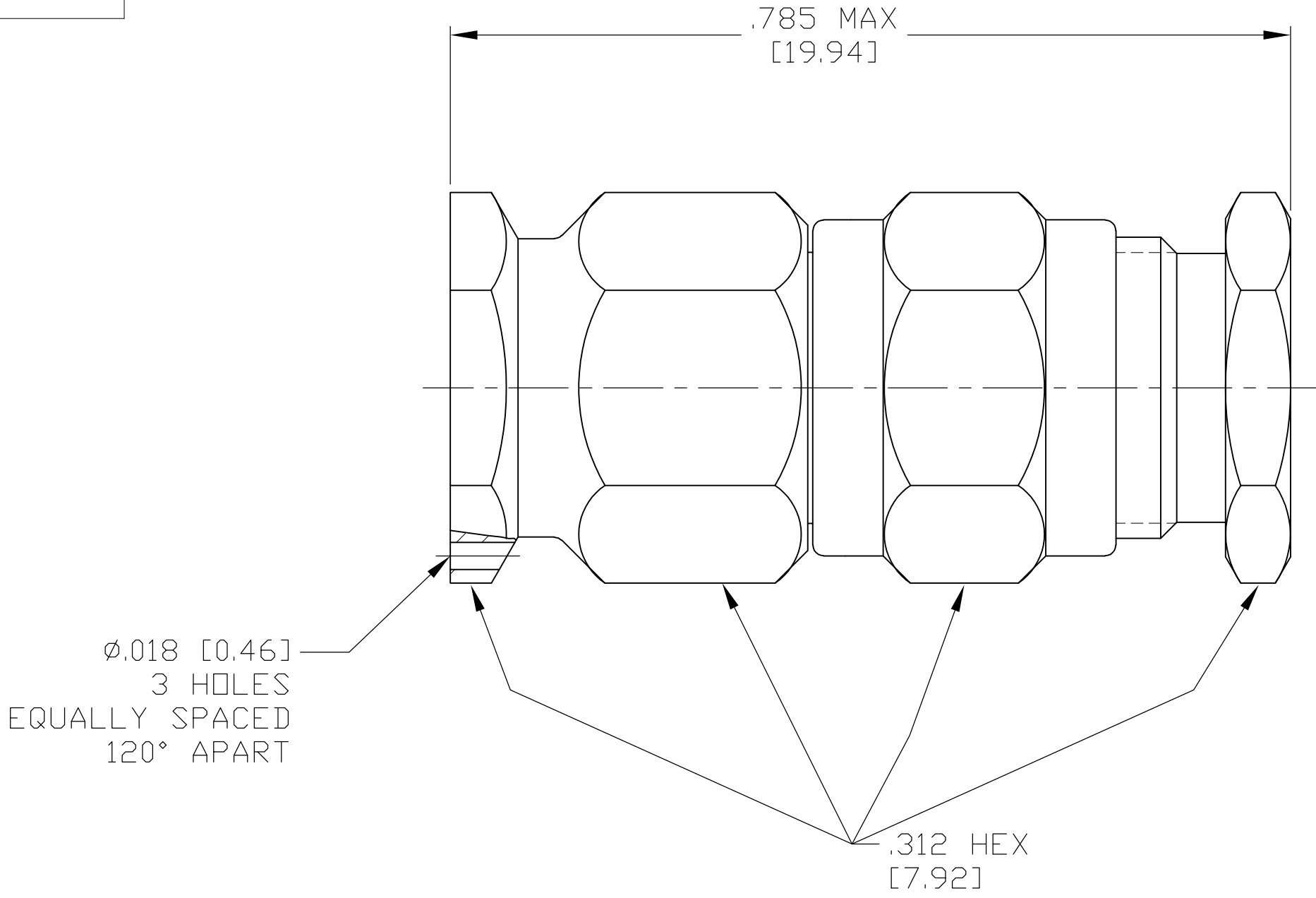
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CT

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ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) 50	Interface Dimensions MIL-STD-348, Fig. 310.1	TEMPERATURE RATING -65°C TO +165°C
Frequency Range (GHz) DC to max operating frequency of cable per MIL-C-17	Recommended Mating Torque 7 to 10 inch-pounds	Vibration MIL-STD-202, Method 204, Condition D
Volt Rating (VRMS MAX) @ Sea Level 250	Mating Characteristics:	Shock MIL-STD-202, Method 213, Condition I
VSWR 1.15 +0.02 (F)GHz	Insertion (MAX Lbs) N/A	Thermal Shock MIL-STD-202, Method 107, Condition B,
Insertion Loss (dB MAX) .06 √FGHz test at f = 6.0 GHz	Withdrawal (MIN Oz) N/A	EXCEPT HIGH TEMP SHALL BE +85°C
RF Leakage (dB MIN) -60dB MIN between 2 & 3 GHz	Force to Engage and Disengage (In/Lbs MAX) 2.0	HIGH TEMP SHALL BE +200°C FOR CONNECTORS USING +200°C CABLES
Corona, 70,000 Ft (VRMS MIN) 190	Center Contact Captivation	Moisture Resistance MIL-STD-202, Method 106
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level 750	Axial (Lbs) 6 LBS MIN	Corrosion - MIL-STD-202, Method 101, Condition B
Contact Resistance (Milliohms MAX)	Radial (In/Oz) N/A	
Center Contact 3.0	Cable Retention	
Outer Contact 2.0	Axial Force (Lbs) 20	
Cable to Housing .05	Torque (In/Oz) N/A	
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) 500	Weight (Grams) 4.8	
I.R.(Megohms MIN) 5000		

DESIGNED FOR USE WITH RG188/U CABLE	
CABLE ENTRY DIAMETER MINIMUM	
CLAMP NUT	.113 [2.87]
FERRULE	.066 [1.68]
CONTACT	.023 [0.58]

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C.C.THOMAS 11-18-10	Tyco Electronics Corporation Harrisburg, PA 17105-3608	
		CHK D.WILSON 11-18-10		
		APVD D.WILSON 11-18-10	NAME SMA STRAIGHT CABLE PLUG KIT, CLAMP ATTACHMENT	
DIMENSIONS: INCHES [mm]		PRODUCT SPEC	SIZE A2	CAGE CODE 00779
		APPLICATION SPEC	DRAWING NO C=1996173	RESTRICTED TO
MATERIAL SEE TABLE		WEIGHT -	SCALE 8:1	SHEET 1 of 1
		FINISH SEE TABLE	CUSTOMER DRAWING	REV A

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