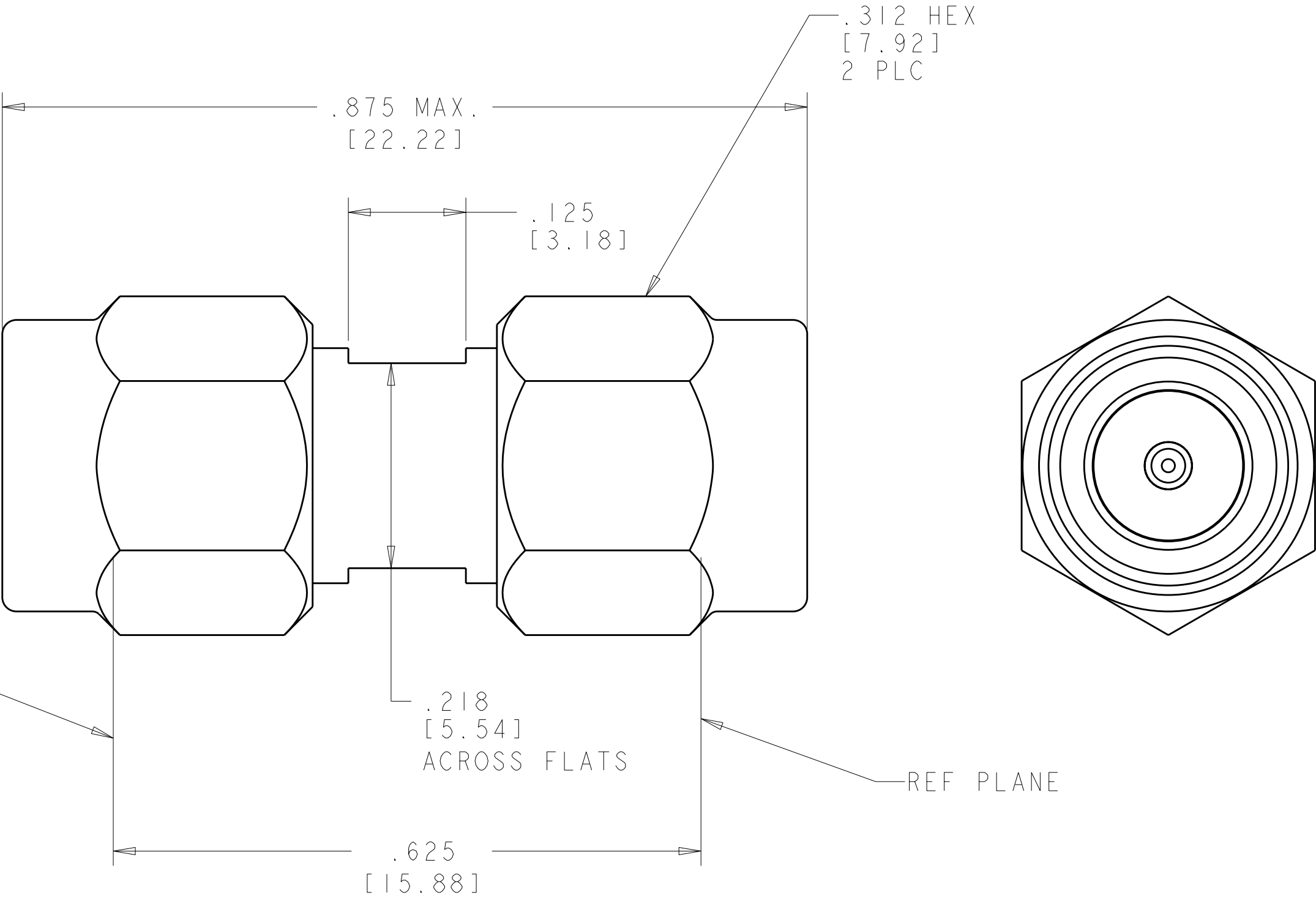


HOUSING COUPLING NUT	STAINLESS STEEL PER ASTM-A484 AND ASTM- A582, TYPE 303	GOLD PLATE PER ASTM B-488
DIELECTRIC	PTFE FLUOROCARBON PER ASTM-D-1457	N/A
CENTER CONTACT	BERYLLIUM COPPER PER ASTM B 196, ALLOY C17300, CONDITION H OR BRASS PER ASTM-B-16	GOLD PLATE PER ASTM B-488
RETAINING RING	BERYLLIUM COPPER PER ASTM B 194, ALLOY C17200, CONDITION H	N/A
GASKET	SILICONE RUBBER PER ZZ-R-765	N/A
COMPONENT	MATERIAL	FINISH

I. ABSOLUTE INSERTION PHASE PER TABLE
AND A TEMPERATURE OF +25°C.

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) 50	Interface Dimensions MIL-STD-348A FIG 310.1	TEMPERATURE RATING -65°C TO 165°C
Frequency Range (GHz) DC to 3.0	Recommended Mating	Vibration - MIL-STD-202, Method 204, Condition D
Volt Rating (VRMS MAX) 335	Torque 7.0 to 10.0 In/Lbs	Shock - MIL-STD-202, Method 213, Condition I
VSWR 1.08 + .005f(GHz) MAX	Connector Engagement	Thermal shock MIL-STD-202, Method 107 Test Condition C
Insertion Loss (dB MAX) .06 √f(GHz)	Center Contact Captivation	Moisture Resistance - MIL-STD-202, Method 106, except Step 7b
RF Leakage -[90-f(GHz)]	Axial 6 Lbs MIN	(Vibration) shall be omitted
Corona, 70,000 Ft (VRMS MIN) 250	Radial N/A	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Dielectric Withstanding Voltage (VRMS MIN) 1000	Weight (Grams) 4.7	
Contact Resistance (Milliohms MAX)		
Center Contact 4.0		
Outer Contact 2.0		
RF High Potential (VRMS MIN @ 5 MHz) 670		
I.R.(Megohms) 5,000		



.850	-27°±0.5°@1.0GHz	1996352-1
.875	-24°±0.5°@1.0GHz	1996352-2
DIM. "A"	INSERTION PHASE	PART NO.

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IT IS SUBJECT TO CHANGE AND THE CONTROLLING ENGINEERING ORGANIZATION
SHOULD BE CONTACTED FOR THE LATEST REVISION.

DIMENSIONS:
INCHES [mm]

MATERIAL
SEE TABLE

TOLERANCES UNLESS
OTHERWISE SPECIFIED:

0 PLC ±
1 PLC ±
2 PLC ±
3 PLC ±.005 [0.13]
4 PLC ±
ANGLES ±
FINISH

SEE TABLE

DWN
C.C.THOMAS
CHK
D.WILSON
APVD
D.WILSON

22JAN2008
22JAN2008
22JAN2008

PRODUCT SPEC
-
APPLICATION SPEC
-
WEIGHT
SEE TBL

CUSTOMER DRAWING

Tyco Electronics
Harrisburg, PA 17105-3608

NAME
SMA PLUG TO PLUG ADAPTER,
PHASE MATCHED
-

SIZE
A200779

CAGE CODE
C-1996352

DRAWING NO
-
RESTRICTED TO
-

SCALE
8:1

SHEET
1

OF
1

REV
B

AMP 1471-9 REV 31MAR2000

Pro/ENGINEER DRAWING

Mouser Electronics

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[TE Connectivity:](#)

[1996352-2](#)