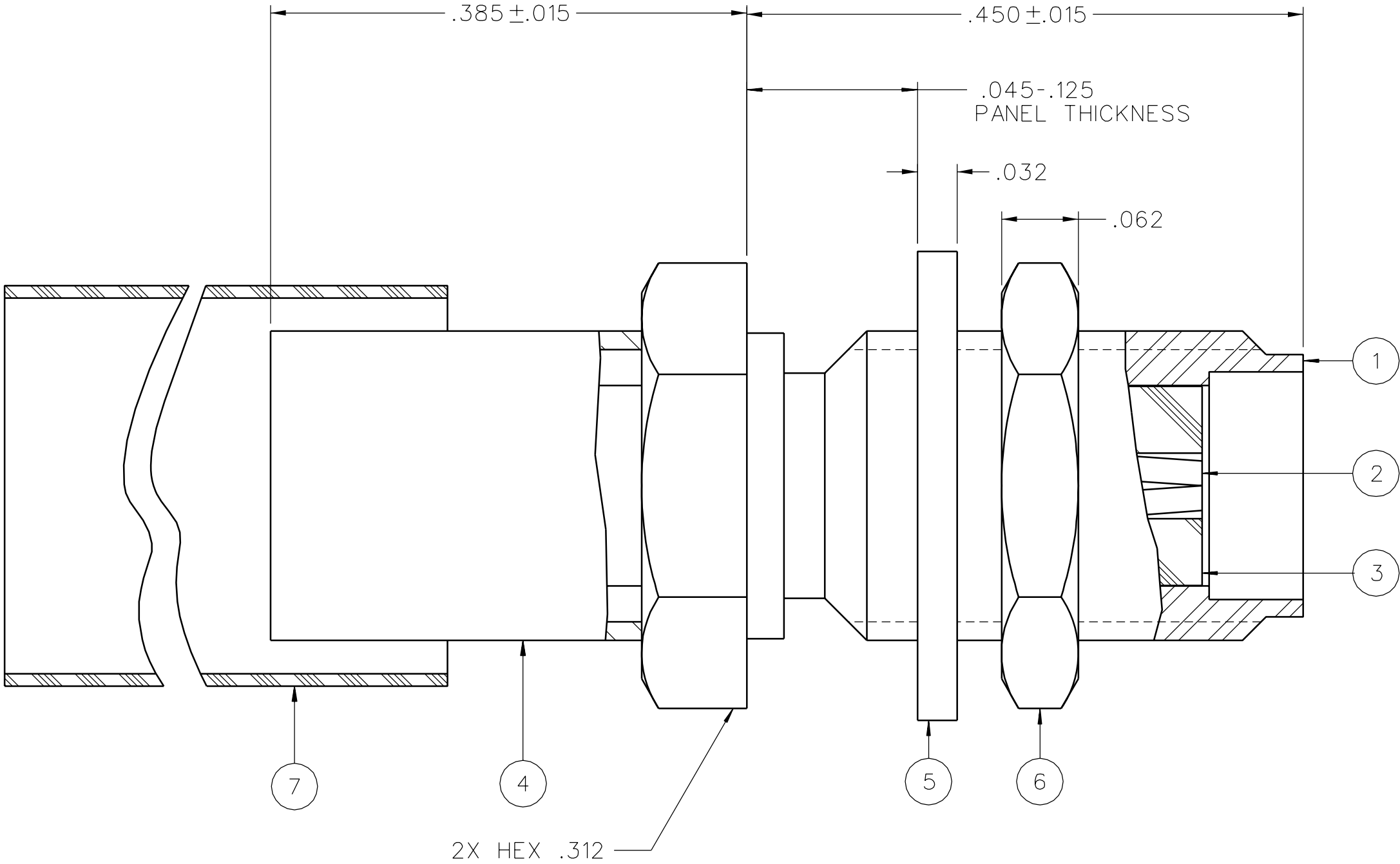


PART NUMBER	ITEM ① BODY	ITEM ② CONTACT	ITEM ③ INSULATOR	ITEM ④ CRIMP SLEEVE	ITEM ⑤ LOCK WASHER	ITEM ⑥ NUT	ITEM ⑦ HEAT SHRINK
141-0308-411	STAINLESS STEEL GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	STAINLESS STEEL GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN	STAINLESS STEEL GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN	POLYOLEFIN COLOR: BLACK
141-0308-412	STAINLESS STEEL PASSIVATED	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	STAINLESS STEEL PASSIVATED	STAINLESS STEEL PASSIVATED	POLYOLEFIN COLOR: BLACK



NOTES:

1. SPECIFICATIONS:

IMPEDANCE: 50 OHMS
FREQUENCY RANGE: 0-12.4 GHz
VSWR: 1.15+.01 F MAX (F IN GHz)
WORKING VOLTAGE: 335 VRMS MAX AT SEA LEVEL
DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS MIN AT SEA LEVEL
INSULATION RESISTANCE: 5000 MEGOHM MIN
CONTACT RESISTANCE:
 CENTER CONTACT - INITIAL 3.0 MILLIOHM MAX, AFTER ENVIRONMENTAL 4.0 MILLIOHM MAX
 OUTER CONDUCTOR - INITIAL 2.0 MILLIOHM MAX AFTER ENVIRONMENTAL NOT APPLICABLE
 BODY TO CABLE - 0.5 MILLIOHM MAX (GOLD PLATED) 5.0 MILLIOHM MAX (PASSIVATED)
CORONA LEVEL: 250 VOLTS MIN AT 70,000 FEET
INSERTION LOSS: .06√F MAX (F IN GHz) AT 6 GHz
RF LEAKAGE: -60 DB MIN AT 2.5 GHz
RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 670 VRMS MIN AT 4 AND 7 MHz

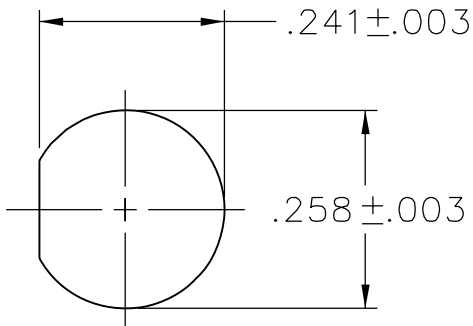
MECHANICAL:

ENGAGE/DISENGAGE TORQUE: 2 IN-LBS MAX
MATING TORQUE: 7-10 IN-LBS POUNDS
COUPLING PROOF TORQUE: NOT APPLICABLE
COUPLING NUT RETENTION: NOT APPLICABLE
CONTACT RETENTION: 6 LBS MIN AXIAL FORCE
CABLE ACCEPTABILITY: RG 55/U, RG 142/U, RG 223/U, RG 400/U
CABLE HEX CRIMP SIZE: .213
CONTACT CRIMP TOOL: MIL M22520/1-01
CABLE RETENTION: 45 LBS MIN AXIAL FORCE
DURABILITY: 500 CYCLES MIN

ENVIRONMENTAL:

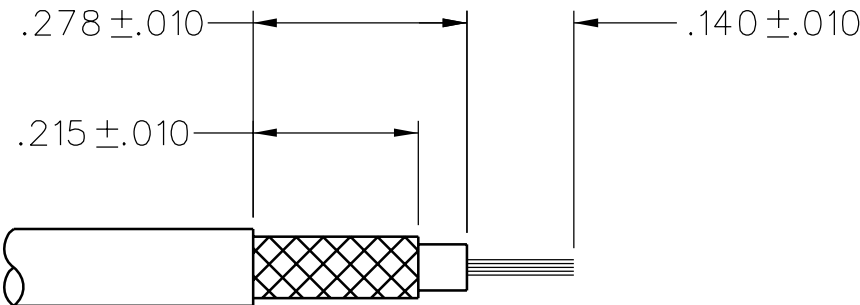
(MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF MIL-PRF-39012)
THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B, EXCEPT 85 C HIGH TEMP
OPERATING TEMPERATURE: -65 DEG C TO 165 DEG C
CORROSION: MIL-STD-202, METHOD 101, CONDITION B
SHOCK: MIL-STD-202, METHOD 213, CONDITION I
VIBRATION: MIL-STD-202, METHOD 204, CONDITION D
MOISTURE RESISTANCE: MIL-STD-202, METHOD 106

2X HEX .312



MOUNTING HOLE

4:1



CABLE STRIP DIMENSIONS

4:1

TOLERANCE UNLESS OTHERWISE SPECIFIED		DRAWN BY TAK	DATE 7-8-92	 Connectivity Solutions P.O. Box 1732 Waseca, MN 56093 1-800-247-8256	
DECIMALS	mm	CHECKED BY	DATE		
.XX	_____			TITLE JACK ASSEMBLY, STRAIGHT CABLED BULKHEAD SMA, RG 142	
.XXX	REF	APPROVED BY RJB/TAK	DATE 8-26-92		
MATL	_____	RELEASE DATE 8-26-92		SHEET 2 OF 2	DRAWING NO. C - 141-0308-411/420
FINISH	_____	U/M	INCH	SCALE	10:1

DRAWING NO.							
C - 141-0308-411/420							
0	REVISIONS						
ENGINEERING RELEASE							
1	8-20-92	R H	T A K	R J B	P A H	8-26-92 ECO 41194	
ADDED: ITEM 7 HEAT SHRINK							
2	10-7-92	R H	T A K	R J B	P A H	10-29-92 ECO 41312	
CHANGED: CRIMP SLEEVE MATERIAL BRASS WAS COPPER							
2a	5-13-94	R H	S W C	T A K	R J B	P A H	5-19-94 ECN 42467
VERSION UPDATE							

* REVISION NUMBER FOLLOWED BY AN ALPHA *							
* CHARACTER INDICATES DRAWING CLARIFI- *							
* CATION OR PART NUMBER ADDITION ONLY. *							

2b	1-31-95	R H	S W C	T A K	R J B	P A H	ECN 43188
GRAPHICS & VERSION UPDATE							
3	12-19-05	P A T	S B D	P D W			5-12-06 ECN 50090

CUSTOMER DRAWING

THIS DRAWING TO BE INTERPRETED
PER ASME Y 14.5M - 1994

"μSTATION"

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