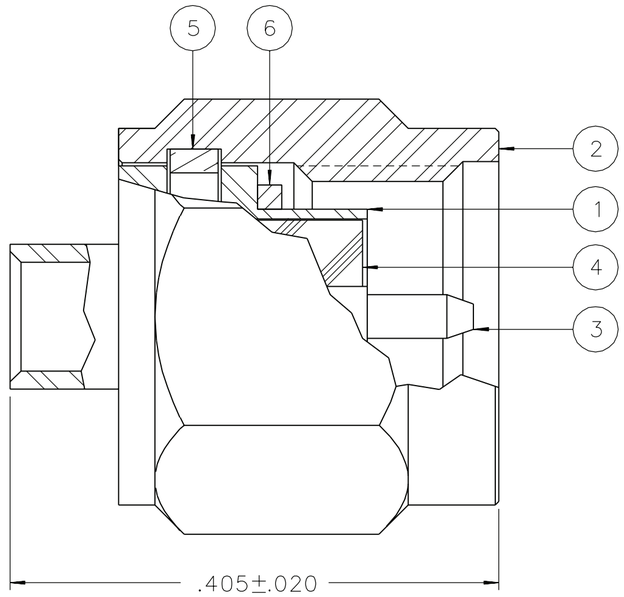
PART NUMBER	ITEM (1) BODY	ITEM (2) NUT	ITEM (3) CONTACT	ITEM (4) INSULATOR	ITEM (5) RETENTION SPRING	ITEM (6) GASKET
141-0693-001	STAINLESS STEEL GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER	STAINLESS STEEL GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER	BRASS GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BERYLLIUM COPPER UNPLATED	SILICONE RUBBER
141-0693-002	STAINLESS STEEL GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER	STAINLESS STEEL PASSIVATED	BRASS GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BERYLLIUM COPPER UNPLATED	SILICONE RUBBER



NOTES:

1. SPECIFICATIONS:

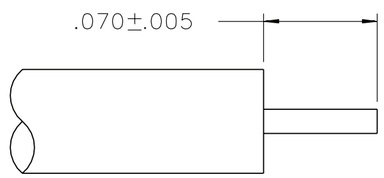
IMPEDANCE: 50 OHMS
FREQUENCY RANGE: 0-26.5 GHZ
VSWR: 1.07+.008F MAX (F IN GHZ) (0-18 GHZ). 1.35 MAX (18-26.5 GHZ)
WORKING VOLTAGE: 335 VRMS MAX AT SEA LEVEL
DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS MIN AT SEA LEVEL
INSULATION RESISTANCE: 5000 MEGOHM MIN
CONTACT RESISTANCE:
CENTER CONTACT - INITIAL 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
CORONA LEVEL: 250 VOLTS MIN AT 70,000 FEET
INSERTION LOSS: .03$\sqrt{F}$ (F IN GHZ) AT 10 GHZ
RF LEAKAGE: -90 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
COUPLING PROOF TORQUE: 15 IN-LBS MIN
COUPLING NUT RETENTION: 60 LBS MIN
CONTACT RETENTION: NOT APPLICABLE
CABLE ACCEPTABILITY: RG 405 DIA .086 SEMI RIGID
CABLE HEX CRIMP SIZE: NOT APPLICABLE
CABLE RETENTION: 30 LBS MIN AXIAL FORCE
16 INCH-OUNCE MIN TORQUE
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 115°C HIGH TEMP
OPERATING TEMPERATURE: -65°C TO 165°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



CABLE STRIP DIMENSIONS

DRAWING NO. C - 141-0693-001/010

REV							
0	REVISIONS						
	ENGINEERING RELEASE						
01	01-15-90	EJ	GLD	RJB	AW		01-16-90 ECO 24292
	ADDED: 115 DEG C HIGH TEMP TO THERMAL SHOCK SPEC. GASKET.						
02	02-26-90	EJ	GLD	RJB	AW		3-21-90 ECO 24397
	CHANGED: 10 GHZ WAS 9 TO 12.4 GHZ. DELETED: .296+-.010						
03	11-20-90	RH	RJB	AW			11-26-90 ECO 24964
	DELETED: "COPPER PL .00005 MIN FROM ITEMS 1 AND 2 CHANGED: LEAKAGE @ 2.5 GHZ WAS 2-3, HIGHPOT @ 4 AND 7 MHZ WAS 5-7.5						
4	11-27-91	RH	TAK	RJB	HEM		12-30-91 ECO 40697
	CHANGED: FREQUENCY RANGE 0-26.5 GHZ WAS 0-18 GHZ ADDED: (0-18 GHZ), 1.35 MAX (18-26.5 GHZ) TO VSWR SPEC ********** * REVISION NUMBER FOLLOWED BY AN ALPHA * * CHARACTER INDICATES DRAWING CLARIFI- * * CATION OR PART NUMBER ADDITION ONLY. * **********						
4a	2-28-94	RH	RJB				ECO 42328
	GRAPHICS & VERSION UPDATE						
5	12-12-05	PAT	SBD	RJB	PDW		4-18-06 ECN 50041

CUSTOMER DRAWING

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

"μSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED DECIMALS: .XX ——— mm ——— .XXX ——— ——— MATL ——— FINISH ———	DRAWN BY Bedney	DATE 2-14-89	Cinch Connectivity Solutions P.O. Box 1732 Waseca, MN 56093 1-800-247-8256
	CHECKED BY	DATE	TITLE: PLUG ASSEMBLY, STRAIGHT CABLED SMA, RG 405
	APPROVED BY RJB/GLD	DATE 1-15-90	
	RELEASE DATE 1-16-90		SHEET 2 OF 2
	U/M INCH	SCALE 10:1	DRAWING NO. C - 141-0693-001/010

Please read our datasheet & drawing disclaimer here.