

ITEM ①	ITEM ②	ITEM ③	ITEM ④	ITEM ⑤	ITEM ⑥
PART NUMBER	BODY	CONTACT	INSULATOR	COUPLING DEVICE	DE-COUPLING SLIDER
146-0404-007	BRASS TRI-ALLOY PL .0001 MIN	BRASS GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BERYLLIUM COPPER TRI-ALLOY PL .0001 MIN	BRASS TRI-ALLOY PL .0001 MIN

DRAWING NO.	
C - 146-0404-001/010	
0	REVISIONS
ENGINEERING RELEASE	
1	3-3-11
C W W	R B
T A K	M J U
3-3-11 ECO 53064	

NOTES:

1. SPECIFICATIONS:

IMPEDANCE: 50 OHMS NOMINAL
FREQUENCY RANGE: 0-12.4 GHz
VSWR: 1.15 + 0.02F
WORKING VOLTAGE: 250 VRMS MAX AT SEA LEVEL
DIELECTRIC WITHSTANDING VOLTAGE: 750 VRMS MIN AT SEA LEVEL
INSULATION RESISTANCE: 5000 MEGOHM MIN
CONTACT RESISTANCE:
CENTER CONTACT - INITIAL 3.0 MILLIOHM MAX, AFTER ENVIRONMENTAL 4.0
OUTER CONDUCTOR - INITIAL 2.0 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE
CABLE BRAID TO CONNECTOR BODY - INITIAL 5.0 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE

CORONA LEVEL: 190 VOLTS MIN AT 70,000 FEET
INSERTION LOSS: .06/√F (F IN GHz) AT 6 GHz
RF LEAKAGE: -80 DB MIN AT 3.0 GHz
RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 500 VRMS MIN AT 4 AND 7 MHz

MECHANICAL:

ENGAGE FORCE: 5.6 POUNDS TYPICAL
DISENGAGE FORCE: 4.5 POUNDS TYPICAL
COUPLING RETENTION FORCE: 10 POUNDS MIN
CONTACT RETENTION: 6 LBS MIN
CABLE ACCEPTABILITY: RG 188/U DOUBLE SHIELDED, RG 316 DOUBLE SHIELDED
CABLE HEX CRIMP SIZE: .151
CONTACT CRIMP TOOL: 144-0000-910
CABLE RETENTION: 20 LBS MIN AXIAL FORCE
DURABILITY: 500 CYCLES MIN

ENVIRONMENTAL:

OPERATING TEMPERATURE: -65 DEG C TO +165 DEG C
THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B EXCEPT +85°C HIGH TEMP
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

4:1

TOLERANCE UNLESS OTHERWISE SPECIFIED		DRAWN BY	DATE
DECIMALS	mm	T.A.Kari	3-3-11
.XX	_____	CHECKED BY	DATE
.XXX ±.003	_____	CWW	3-3-11
MATL		APPROVED BY	DATE
_____		T.A.Kari	3-3-11
FINISH		RELEASE DATE	3-3-11
_____		U/M	INCH
		SCALE	10:1

		Cinch Connectivity Solutions P.O. Box 1732 Waseca, MN 56093 1-800-247-8256	
TITLE THREE PIECE STRAIGHT PLUG CRIMP TYPE, RG-316 DOUBLE SHIELDED KWIQMATE			
SHEET 2 OF 2	DRAWING NO. C - 146-0404-001/010		

Authorized Distribution Brand :



Website :

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