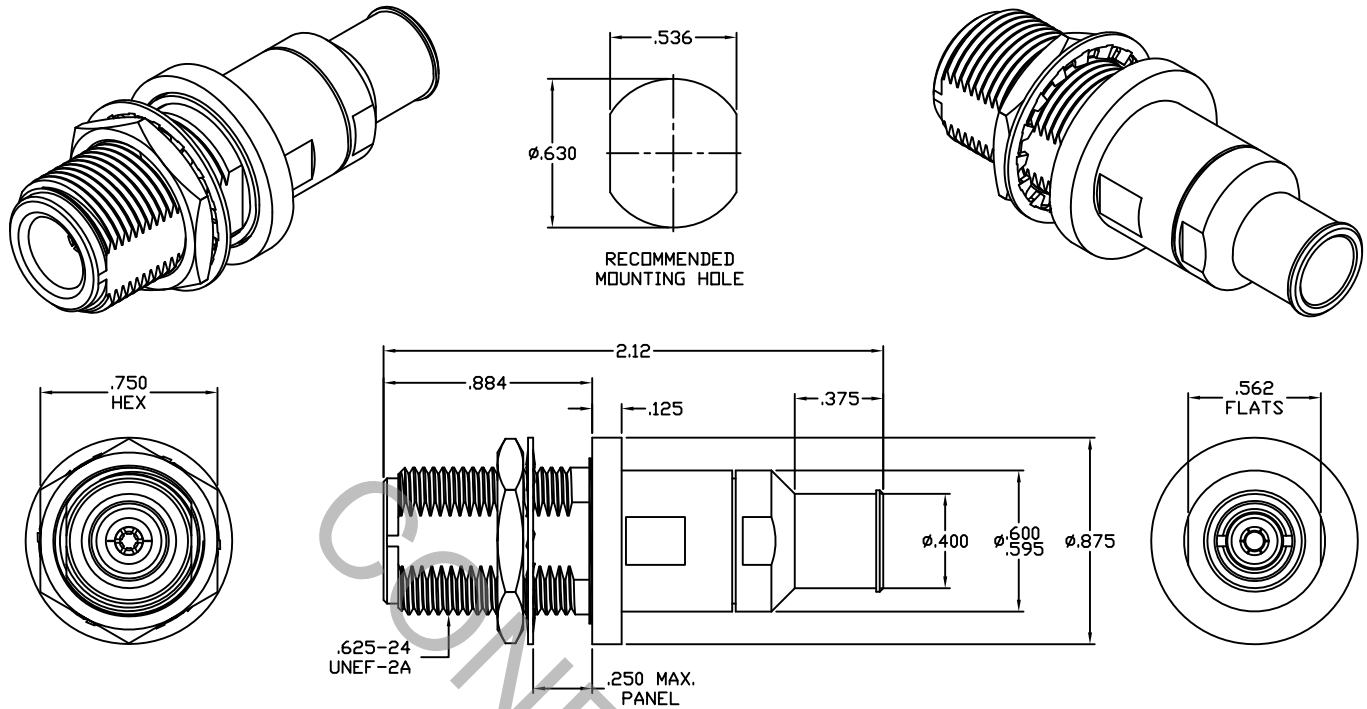


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS MIL-STD-348 Fig. 304.2 (N JACK).

2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 18.0 GHz
VSWR (MAX) *	_____	1.06 + .006 x FGHz
INSERTION LOSS (dB MAX) *	_____	.05 dB x $\sqrt{\text{FGHz}}$
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	500
RF LEAKAGE (MIN. dB DOWN)	_____	100 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65°C TO + 165°C
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	1,500
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	5,000
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	1.0
• OUTER CONTACT (MAX. MILLIOHMS)	_____	2.0

* TERMINATED IN A 50 OHM LOAD

RoHS
COMPLIANT

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			CABLE INCORPORATED HAVERHILL, MA 01835
AA	12-1754	8/31/12	DC	DECIMALS .X ± .030 .XX ± .010 .XXX ± .005	FRACTIONAL ± 1/64	ANGULAR X ° ± 1' 0" X ° X' ± 15'	
AB	13-1502	4/8/13	DC				
				DRAWN DC	DATE 8/31/12	TITLE N JACK, BULKHEAD, SOLDER CLAMP, PLUG-IN CONTACT, DF118 LOW LOSS	
				APPROVED DC	DATE 8/31/12		
				CODE IDENT. 6DZL5	SHEET 1 OF 2	DWG. NO.	7510-118H-6240

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT
 MAX AXIAL FORCE _____ 6.0 LBS.
 MAX RADIAL TORQUE _____ N/A
 CENTER CONTACT AXIAL FORCES
 ● INSERTION (MAX. OUNCES) _____ N/A
 ● WITHDRAWAL (MIN. OUNCES) _____ N/A
 CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. LBS.) _____ 2.0
 CONNECTOR DURABILITY (MIN. CYCLES) _____ 500
 RECOMMENDED MATING TORQUE _____ N/A
 RECOMMENDED MOUNTING TORQUE _____ 22 - 25 IN. LBS.

4. ENVIRONMENTAL

TEMPERATURE CYCLING _____ MIL-STD-202, METHOD 102, COND. C (-65° c TO + 165° c)
 SHOCK _____ MIL-STD-202, METHOD 213, COND. I (100 G's)
 VIBRATION _____ MIL-STD-202, METHOD 204, COND. D (20 G's)
 MOISTURE RESISTANCE _____ MIL-STD-202, METHOD 106, LESS STEP 7b
 CORROSION _____ MIL-STD-202, METHOD 101, COND. B (48 HOURS)
 BAROMETRIC PRESSURE (ALTITUDE) _____ MIL-STD-202, METHOD 105, COND. C (70,000 FT.) (375 VRMS)

5. MATERIAL

BODY, BUSHINGS, CLAMP NUT, HEX NUT & _____ STAINLESS STEEL PER ASTM-A-582, TYPE 303, COND. A
 PRESS SLEEVE
 LOCKWASHER _____ 400 SERIES STAINLESS STEEL
 CONTACTS _____ BERYLLIUM COPPER PER ASTM B196-90, COPPER ALLOY
 No. UNS-C17300, TEMPER TD04.
 FRONT INSULATOR _____ TEFLON PER ASTM D-1710-02, TYPE 1, GRADE 1, CLASS B.
 REAR INSULATOR _____ CROSS LINKED POLYETHYLENE (400°).
 GASKET & O-RING _____ SILICONE RUBBER PER ZZ-R-765
 SOLDER SLEEVE _____ BRASS PER ASTM-B16, TEMPER H02, ALLOY C36000.

6. FINISH

BODY, BUSHINGS, CLAMP NUT, HEX NUT, _____ PASSIVATE PER AMS-2700, TYPE 2, CLASS 4
 PRESS SLEEVE & LOCKWASHER
 SOLDER SLEEVE _____ GOLD PER ASTM B 488, TYPE I, CODE C, CLASS 1.27
 (.000050 MIN. THK.) OVER NICKEL per SAE-AMS-QQ-N-290,
 CLASS 1 (.000150 MIN. THK.) OVER COPPER per AMS-2418
 (.000010 MIN. THK.)
 CONTACTS _____ GOLD PER ASTM B 488, TYPE I, CODE C, CLASS 0.75
 (.000030 MIN. THK.) OVER NICKEL per SAE-AMS-QQ-N-290,
 CLASS 1 (.000050 MIN. THK.) OVER COPPER per AMS-2418
 (.000010 MIN. THK.)
 INSULATORS, GASKET & O-RING _____ N/A