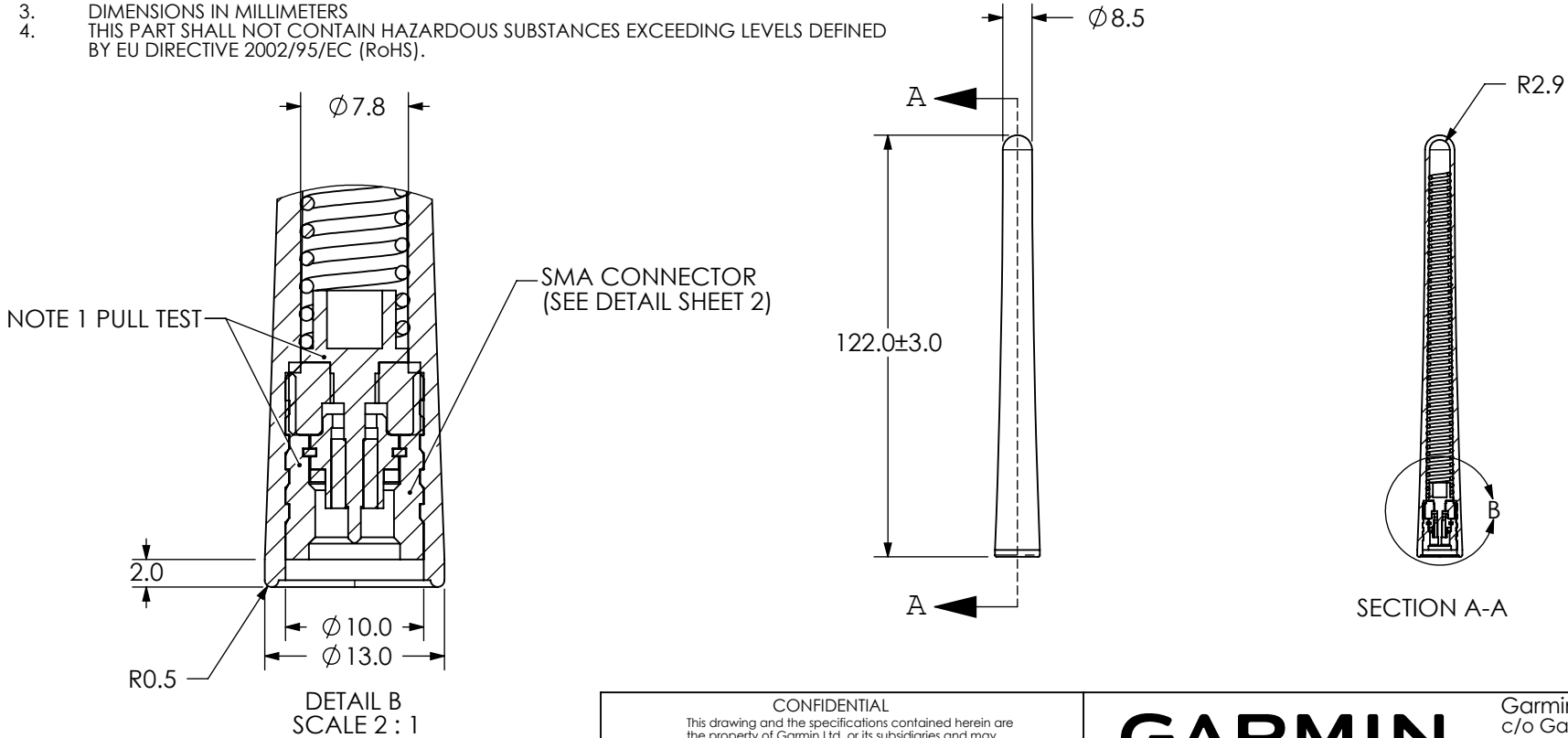


NOTES:

1. SPECIFICATIONS:
CONNECTOR: MALE SMA
OPERATING TEMP: -20°C TO +60°C
FLEX TEST: 180° 1.50" ABOVE BASE
FLEX DURABILITY: 10000 CYCLES AT 1 CYCLE/SEC
FLEX DURABILITY CRITERIA: NO CRACKS IN SHEATHING OR ELECTRICAL FAILURES AT COMPLETION OF TEST.
PULL TEST: SMA/COIL INTERFACE TO WITHSTAND 50kg AXIAL LOAD AFTER ASSEMBLY
TORQUE TEST: 3.12 in-lbs
IMPEDANCE: 50ohms
CENTER FREQUENCY: 153MHz
1dB BANDWIDTH: ±3MHz
ANTENNA GAIN: -5dB RELATIVE TO AN IDEAL DIPOLE ANTENNA (θ=90°, GROUND PLANE SIZE 30mmx70mm)
VSWR: 2.0:1 (MAX)
2. OVERMOLD MATERIAL: BLACK NEOPRENE, 80 SHORE A DUROMETER
3. DIMENSIONS IN MILLIMETERS
4. THIS PART SHALL NOT CONTAIN HAZARDOUS SUBSTANCES EXCEEDING LEVELS DEFINED BY EU DIRECTIVE 2002/95/EC (RoHS).

REVISIONS			
REV	DESCRIPTION	DATE	ECO
G	REMOVE UNDERCUT	10/23/07	48211
H	CHANGE MANUFACTURER CODE	08/12/08	55286
J	ADD MANUFACTURER YEH	06/20/11	82303



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		APPROVALS		DATE		TITLE										
TOLERANCE UNLESS OTHERWISE NOTED INCHmm .XX± 0.01.X± 0.3 .XXX± 0.005.XX± 0.13 HOLE Ø<1± 0.003Ø<25± 0.08 ANGLES± 2.0°		DRAWN	TAB	10/30/06		VHF Antenna, D-Series										
		CHKD.	HJS	10/30/06												
		PROJ. MGR.	BDH	10/30/06												
				RLS BY	SMP	10/31/06		SIZE	A			DWG. NO.		700-00021-00		REV.
						SCALE	1:2					SHT	1		OF	3

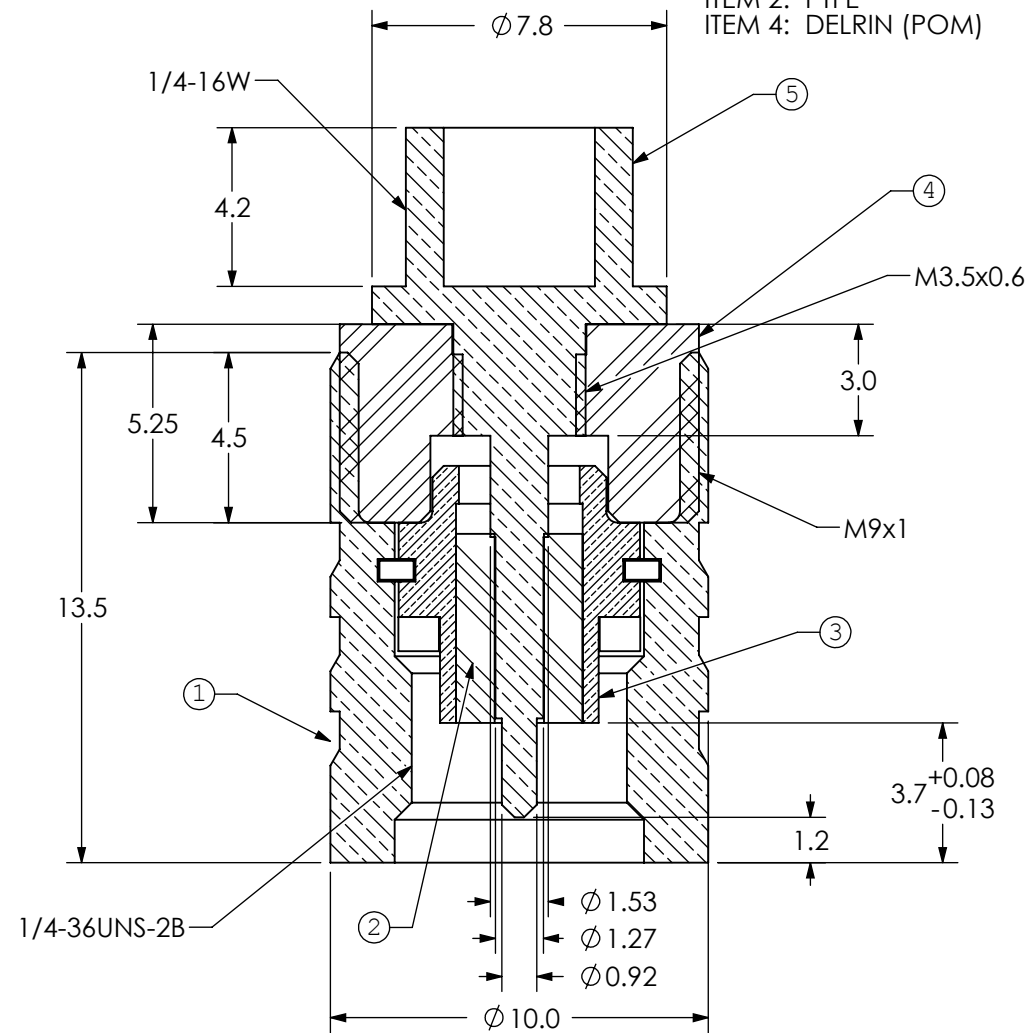
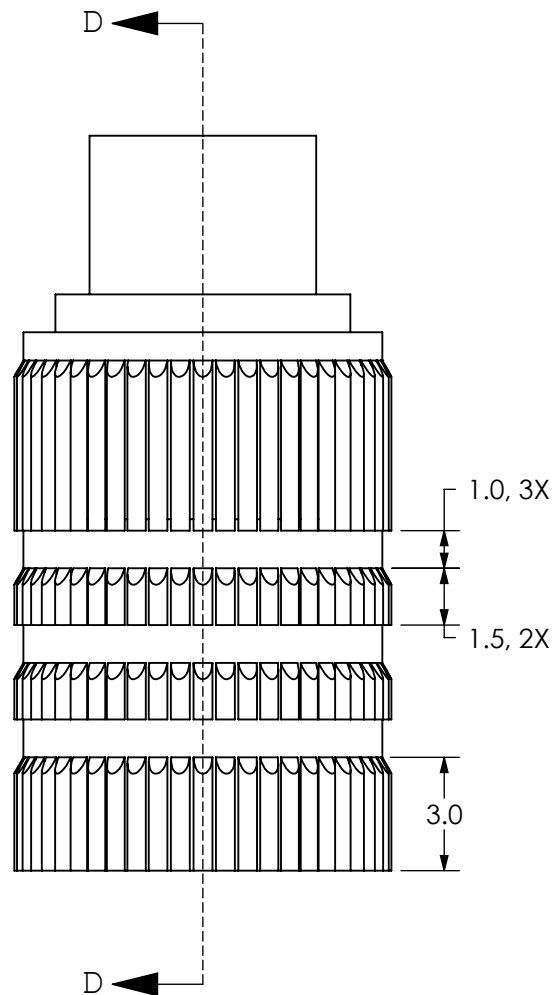
SMA CONNECTOR CONSTRUCTION DETAIL

MATERIALS:

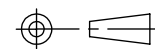
ITEMS 1,3, AND 5: BRASS, AU PLATING

ITEM 2: PTFE

ITEM 4: DELRIN (POM)



SIZE A		DWG. NO. 700-00021-00	REV. J
SCALE 5:1		SHT 2	OF 3

REV.
J

SCALE 5:1

SHT 2 OF 3

Approved Manufacturers List			
GPN	MFG Name - Code	Manufacturer Part Number	Notes
700-00021-00	SHINE ALPHA ELECTRONIC CO.,LTD - 103934	HL-153-122-SMA(M)	
	YI CHANG HSIANG industrial CO., LTD - 111091	A-1590-A1	