

<b>APPLICABLE STANDARD</b>		MIL-STD-348B		
RATING	OPERATING TEMPERATURE RANGE	-55°C TO +105°C(95%RH MAX)	STORAGE TEMPERATURE RANGE	-55°C TO +50°C(95%RH MAX)
	POWER	— W	CHARACTERISTIC IMPEDANCE	50 Ω ( 0 TO 50 GHz)
	PECULIARITY	—	APPLICABLE CABLE	—

**SPECIFICATIONS**

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
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**CONSTRUCTION**

GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	X	X
MARKING	CONFIRMED VISUALLY.		—	—

**ELECTRIC CHARACTERISTICS**

CONTACT RESISTANCE	100 mA MAX (DC OR 1000 Hz).	CENTER CONTACT	4 mΩ MAX.	X	X
		OUTER CONTACT	2 mΩ MAX.	X	X
INSULATION RESISTANCE	500 V DC.		5000 MΩ MIN.	X	X
VOLTAGE PROOF	500 V AC FOR 1 min.CURRENT LEAKAGE 2mA MAX.		NO FLASHOVER OR BREAKDOWN.	X	X
VOLTAGE STANDING WAVE RATIO	FREQUENCY 0.045 TO 50 GHz. TEST METHOD IS BACK TO BACK.	VSWR	1.35 MAX. (0.045 TO 26.5GHz)	X	X
		VSWR	1.40 MAX. (26.5 TO 40GHz)		
		VSWR	1.45 MAX (40 TO 50GHz)		
INSERTION LOSS	FREQUENCY TO GHz		dB MAX.	—	—

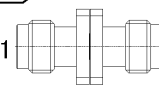
**MECHANICAL CHARACTERISTICS**

CONTACT INSERTION AND EXTRACTION FORCES	EXTRACTION GAUGE: φ0.495 <sup>0</sup> <sub>-0.005</sub> STEEL GAUGE.	INSERTION FORCE	N MAX.	—	—
		EXTRACTION FORCE	0.2~2 N MIN.	X	X
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE	N MAX.	—	—
		EXTRACTION FORCE	N MIN.	—	—
MECHANICAL OPERATION	500 TIMES INSERTIONS AND EXTRACTIONS.	1) CONTACT RESISTANCE: CENTER CONTACT 6 mΩMAX. OUTER CONTACT 4 mΩMAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X	—
VIBRATION	FREQUENCY 10 TO 2000 Hz SINGLE AMPLITUDE 0.75 mm, 196 m/s <sup>2</sup> AT 10 CYCLES FOR 3 DIRECTIONS.	1) NO ELECTRICAL DISCONTINUITY OF 1 μs. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X	—
SHOCK	980 m/s <sup>2</sup> DIRECTIONS OF PULSE 6 ms AT 3 TIMES FOR 3 DIRECTIONS.			X	—


**ENVIRONMENTAL CHARACTERISTICS**

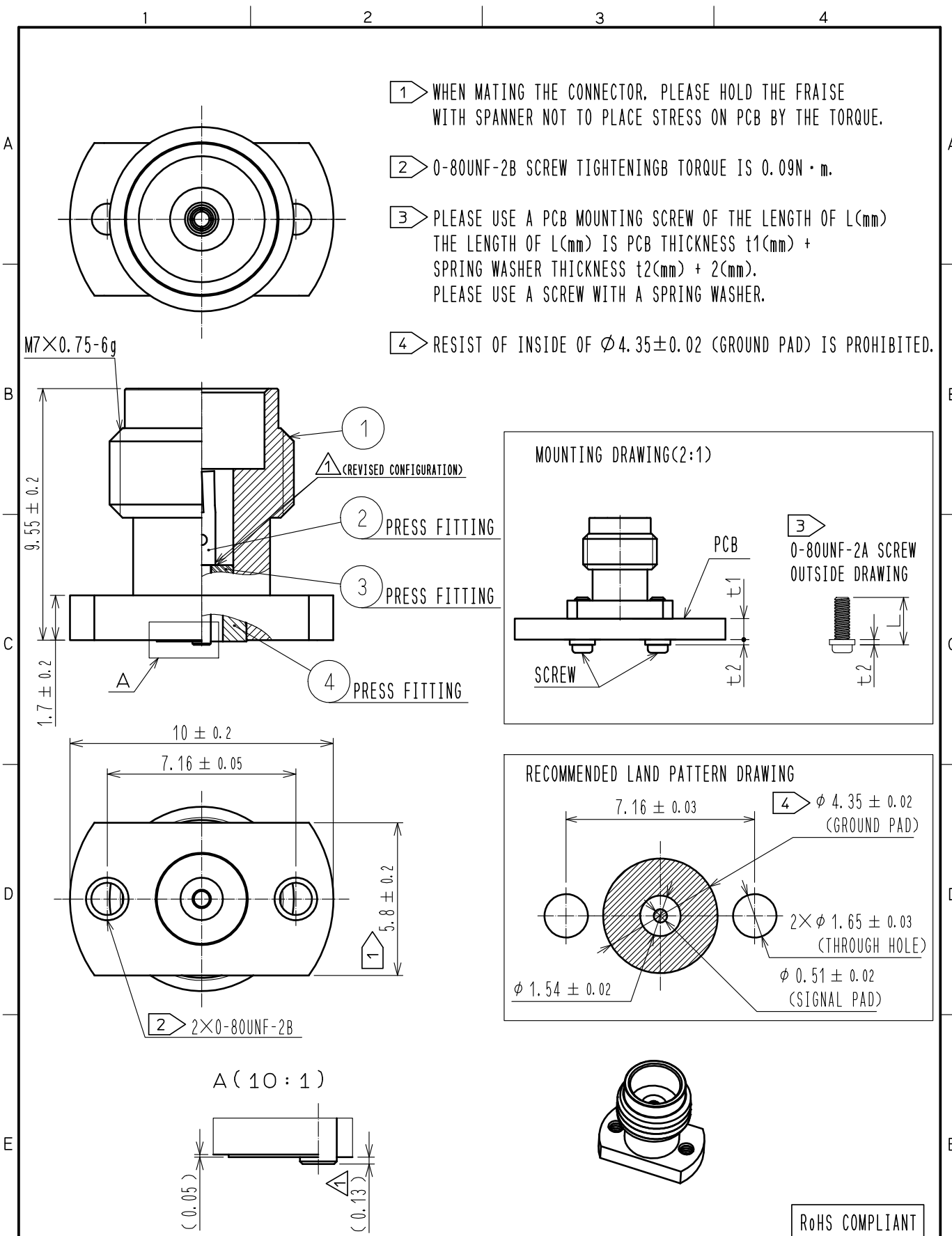
DAMP HEAT,CYCLIC	EXPOSED AT -10 TO +65 °C, 90~98 % TOTAL 10 CYCLES ( 240 h)	1) INSULATION RESISTANCE: 100 MΩ MIN. (AT HIGH HUMIDITY) 2) INSULATION RESISTANCE: 5000 MΩ MIN. (AT DRY) 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X	—
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → -- → +105 → -- °C TIME 30 → 3 → 30 → 3 min. UNDER 5 CYCLES.	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X	—
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	NO HEAVY CORROSION.		X	—

COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
0				

REMARK RoHS COMPLIANT NOTE 1 MEASUREMENT STATE OF BACK TO BACK  PORT1  PORT2  UNLESS OTHERWISE SPECIFIED, REFER TO MIL-STD-202.	APPROVED	KH. IKEDA	14.08.20
	CHECKED	MH. TSUCHIDA	14.08.20
	DESIGNED	TS. SAWAI	14.08.19
	DRAWN	TS. SAWAI	14.08.19

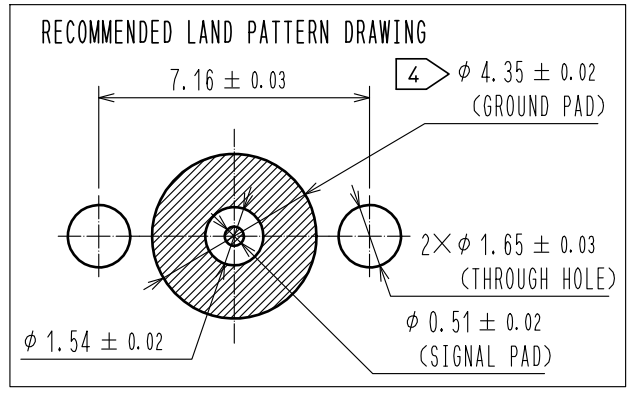
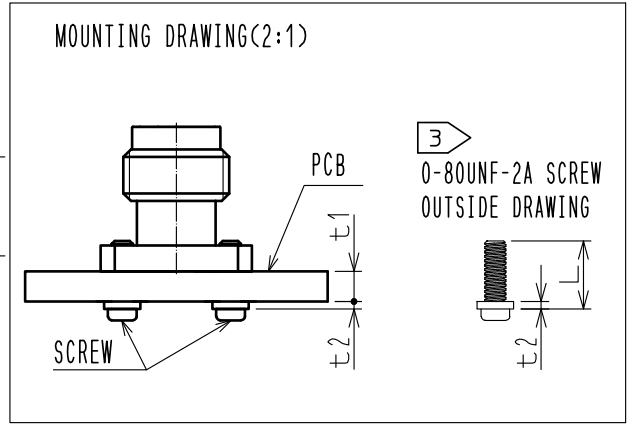
Note QT:Qualification Test AT:Assurance Test X:Applicable Test	DRAWING NO.	ELC4-356161-00
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<b>HRS</b>	SPECIFICATION SHEET	PART NO.	H2. 4-R-SR2	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL338-0601-8-00	 1/1

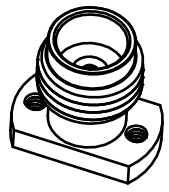
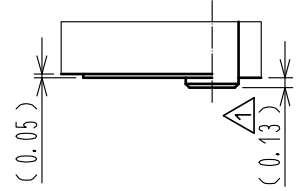


- 1 WHEN MATING THE CONNECTOR, PLEASE HOLD THE FRAISE WITH SPANNER NOT TO PLACE STRESS ON PCB BY THE TORQUE.
- 2 0-80UNF-2B SCREW TIGHTENING TORQUE IS 0.09N · m.
- 3 PLEASE USE A PCB MOUNTING SCREW OF THE LENGTH OF L(mm) THE LENGTH OF L(mm) IS PCB THICKNESS t1(mm) + SPRING WASHER THICKNESS t2(mm) + 2(mm). PLEASE USE A SCREW WITH A SPRING WASHER.
- 4 RESIST OF INSIDE OF  $\phi 4.35 \pm 0.02$  (GROUND PAD) IS PROHIBITED.

M7×0.75-6g



A (10 : 1)



RoHS COMPLIANT

2	BERYLLIUM COPPER	GOLD PLATING	4	STAINLESS STEEL	GOLD PLATING
1	STAINLESS STEEL	PASSIVATE	3	PTFE	
NO.	MATERIAL	FINISH . REMARKS	NO.	MATERIAL	FINISH . REMARKS

UNITS mm		SCALE 5 : 1	COUNT 2	DESCRIPTION OF REVISIONS DIS-D-00000411	DESIGNED TS. SAWAI	CHECKED KY. SHIMIZU	DATE 15. 07. 23
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<b>HRS</b> HIROSE ELECTRIC CO., LTD.	APPROVED : KH. IKEDA	14. 08. 20	DRAWING NO.	EDC4-356161-00
	CHECKED : MH. TSUCHIDA	14. 08. 20	PART NO.	H2. 4-R-SR2
	DESIGNED : TS. SAWAI	14. 08. 19	CODE NO.	CL338-0601-8-00
	DRAWN : TS. SAWAI	14. 08. 19		