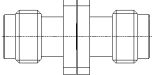
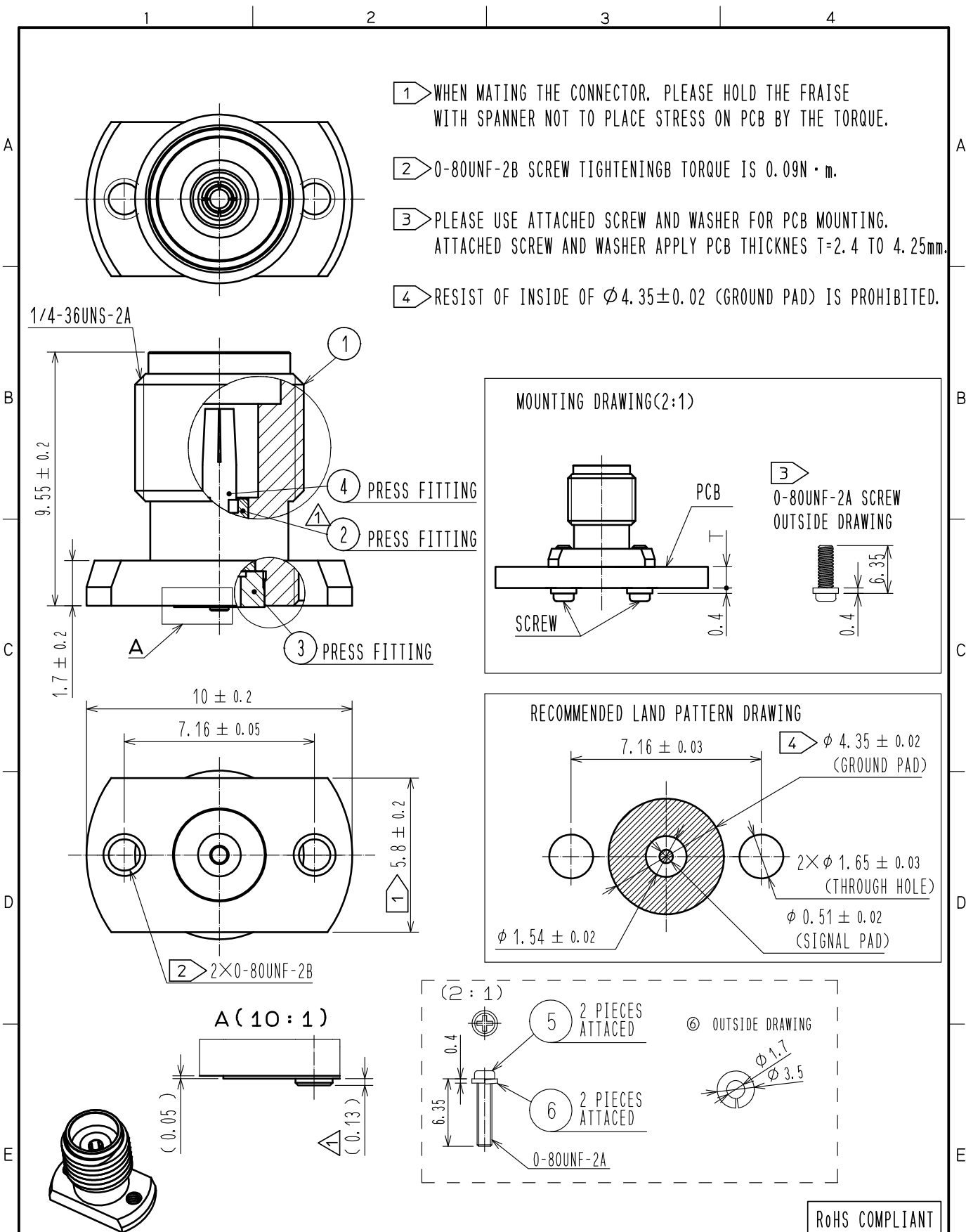


APPLICABLE STANDARD		MIL-STD-348B						
RATING	OPERATING TEMPERATURE RANGE	-55°C TO +105°C(95%RH MAX)		STORAGE TEMPERATURE RANGE	-55°C TO +50°C(95%RH MAX)			
	POWER	— W		CHARACTERISTIC IMPEDANCE	50 Ω (0 TO 40 GHz)			
	PECULIARITY	—		APPLICABLE CABLE	—			
SPECIFICATIONS								
ITEM		TEST METHOD		REQUIREMENTS		QT	AT	
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.		1000 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 0.04 TO 40 GHz.		VSWR	1.10 MAX. (0.04 TO 18GHz)	△	X	
1		TEST METHOD IS BACK TO BACK.		VSWR	1.15 MAX. (18 TO 26.5GHz)			
				VSWR	1.30 MAX. (26.5 TO 40GHz)			
INSERTION LOSS		FREQUENCY TO GHz		dB MAX.		—	—	
MECHANICAL CHARACTERISTICS								
CONTACT INSERTION AND EXTRACTION FORCES		EXTRACTION GAUGE: $\phi 0.9195 \begin{smallmatrix} 0 \\ -0.0025 \end{smallmatrix}$ STEEL GAUGE.		INSERTION FORCE		N MAX.	—	
				EXTRACTION FORCE		0.4 N MIN.	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 mΩ MAX. OUTER CONTACT 4 mΩ MAX.		X	—	
				2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				
VIBRATION		FREQUENCY 10 TO 2000 Hz SINGLE AMPLITUDE 0.75 mm, 196 m/s ² AT 12 CYCLES FOR 3 DIRECTIONS.		1) NO ELECTRICAL DISCONTINUITY OF 1 μs.		X	—	
SHOCK		1960 m/s ² DIRECTIONS OF PULSE 6 ms AT 3 TIMES FOR 3 DIRECTIONS.		2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				
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: 1000 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	
△	1	DIS-D-003376		TP. MATSUMOTO		MH. TSUCHIDA		14.08.22
REMARK				APPROVED		MH. YAMANE		14.04.22
RoHS COMPLIANT				CHECKED		MH. TSUCHIDA		14.04.18
NOTE 1 MEASUREMENT STATE OF BACK TO BACK				DESIGNED		TP. MATSUMOTO		14.04.17
PORT1  PORT2				DRAWN		TP. MATSUMOTO		14.04.17
UNLESS OTHERWISE SPECIFIED, REFER TO MIL-STD-202.								
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-357435-00			
HRS	SPECIFICATION SHEET		PART NO.		HK-R-SR2			
	HIROSE ELECTRIC CO., LTD.		CODE NO.		CL338-0077-2-00			
				△		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 ATTACHED SCREW AND WASHER FOR PCB MOUNTING. ATTACHED SCREW AND WASHER APPLY PCB THICKNES T=2.4 TO 4.25mm.
- 4 RESIST OF INSIDE OF $\phi 4.35 \pm 0.02$ (GROUND PAD) IS PROHIBITED.

1/4-36UNS-2A

MOUNTING DRAWING(2:1)

RECOMMENDED LAND PATTERN DRAWING

A (10:1)

RoHS COMPLIANT

3	STAINLESS STEEL	GOLD PLATING	6	STAINLESS STEEL	SPRING WASHER		
2	PTFE		5	STEEL	0-80UNF-2A SCREW		
1	STAINLESS STEEL	PASSIVATE	4	BERYLLIUM COPPER	GOLD PLATING		
NO.	MATERIAL	FINISH .	REMARKS	NO.	MATERIAL	FINISH .	REMARKS

UNITS mm	SCALE	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
	5 : 1	2	DIS-D-00000419	NK. OOSAWA	TO. KATAYAMA	15. 07. 27

<p>HIROSE ELECTRIC CO., LTD.</p>	APPROVED	: KY. SHIMIZU	14. 12. 18	DRAWING NO.	EDC4-357435-01
	CHECKED	: KY. SHIMIZU	14. 12. 18	PART NO.	HK-R-SR2(11)
	DESIGNED	: TP. MATSUMOTO	14. 12. 09	CODE NO.	CL338-0077-2-11
	DRAWN	: TP. MATSUMOTO	14. 12. 09		