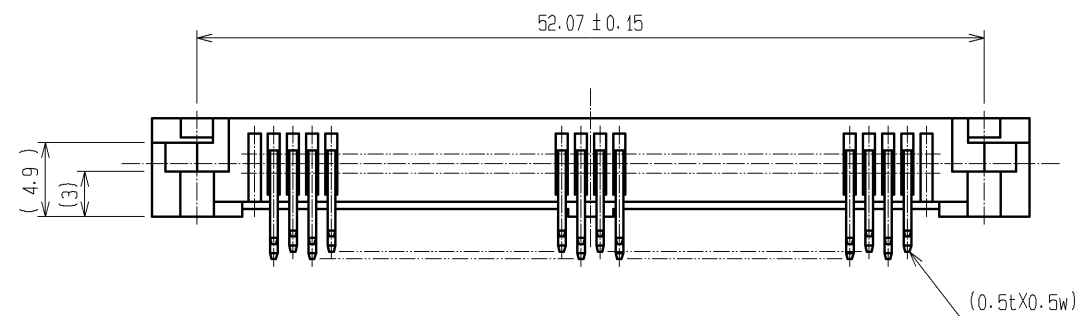
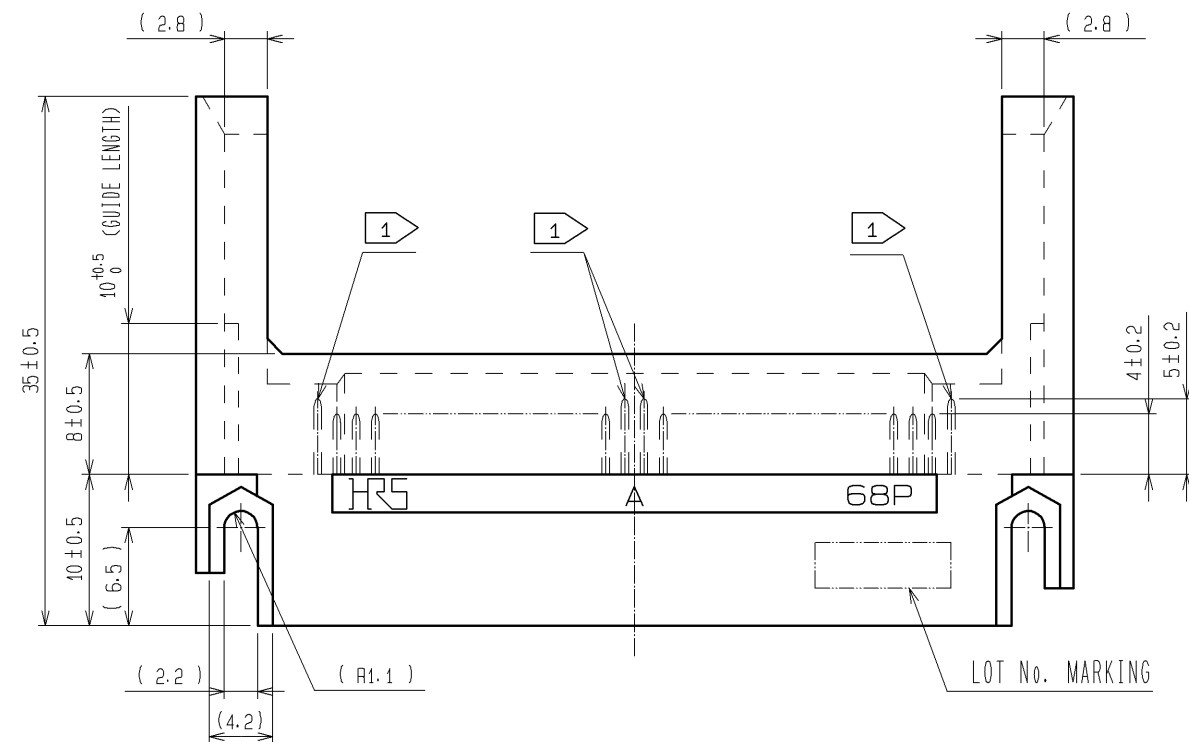
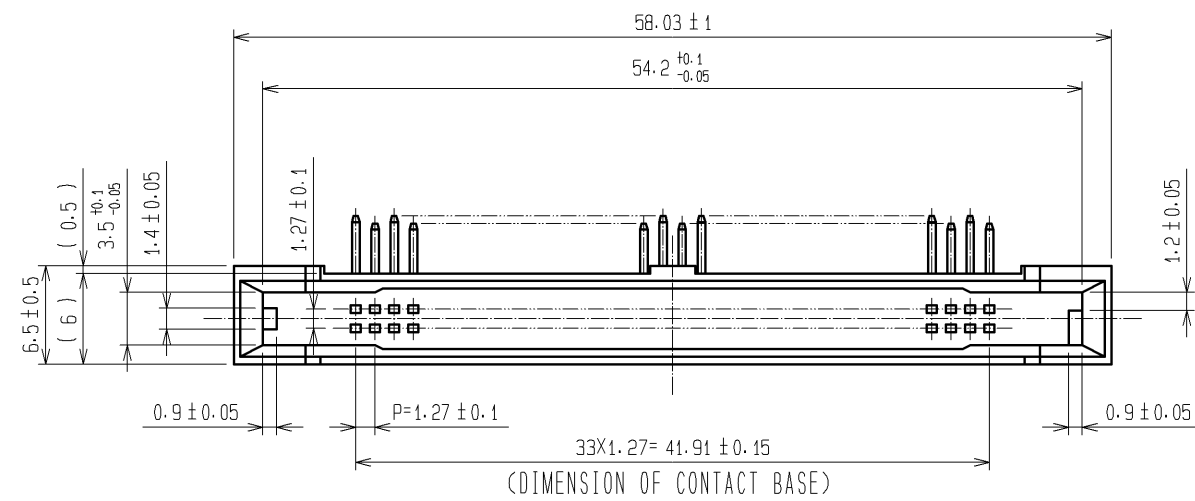
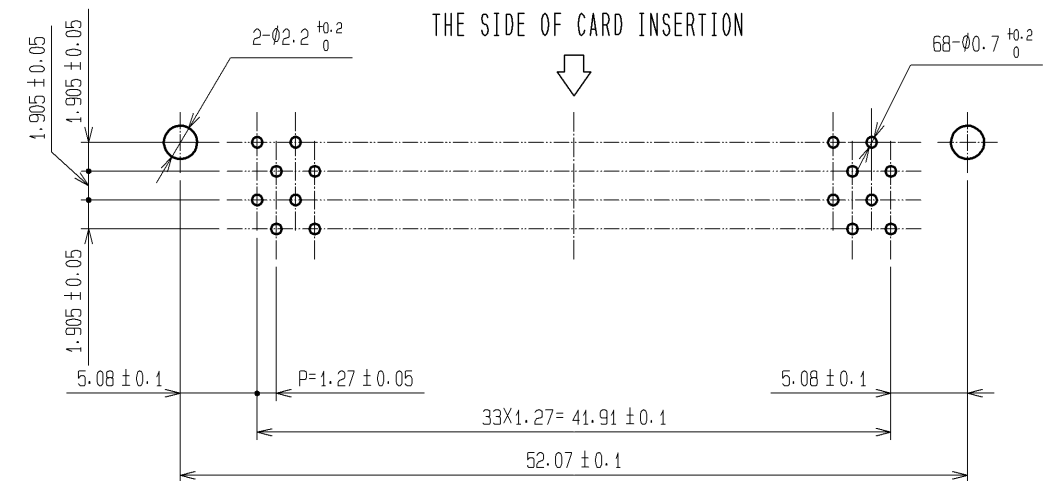


APPLICABLE STANDARD		PC Card Standard			
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO +85 °C		STORAGE TEMPERATURE RANGE	-40 °C TO +70 °C
	VOLTAGE	1~68: AC 125V		OPERATING HUMIDITY RANGE	95%MAXIMUM (NON-CONDENSING)
	CURRENT	1~68: 0.5A			
SPECIFICATIONS					
ITEM		TEST METHOD		REQUIREMENTS	QT AT
CONSTRUCTION					
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	X X
MARKING		CONFIRMED VISUALLY.			X X
ELECTRIC CHARACTERISTICS					
CONTACT RESISTANCE (LOW LEVEL) [MIL-STD-1344A] METHOD 3002.1		OPEN VOLTAGE 20 mV AC MAX, TEST CURRENT 1mA.		INITIALLY 40mΩ MAXIMUM.	X —
WITHSTANDING VOLTAGE METHOD 301		500 Vrms AC IS APPLIED FOR 1 MINUTE.		NO SHORTING OR OTHER DAMAGES.	X —
INSULATION RESISTANCE METHOD 302		MEASURE WITHIN 1 MINUTE AFTER APPLYING 500 V DC.		INITIALLY 1000 MΩ MINIMUM.	X —
MECHANICAL CHARACTERISTICS					
TOTAL INSERTION FORCE		MEASURED BY APPLICABLE CONNECTOR.		39.2 N MAXIMUM	X —
TOTAL PULLING FORCE				6.67 N MINIMUM AND 39.2 N MAXIMUM.	X —
MECHANICAL OPERATION [OFFICE ENVIRONMENT]		10000 TIMES INSERTIONS AND WITH DRAWAL SHALL BE MADE AT THE CYCLE RATE 400 TO 600 CYCLES/h.		① CONTACT RESISTANCE :AFTER TEST 20 mΩ MAXIMUM CHANGE. ② NO MECHANICAL DAMAGE SHALL OCCUR ON THE PARTS.	X —
VIBRATION AND HIGH FREQUENCY METHOD 204D		FREQUENCY 10 TO 2000 Hz, AMPLITUDE 1.52 mm, 147 m/s ² PEAK FOR 4 h, IN 3 DIRECTIONS.		① MUST NOT CAUSE CURRENT INTERRUPTION GREATER THAN 100 ns. ② NO MECHANICAL DAMAGE SHALL OCCUR ON THE PARTS.	X —
SHOCK METHOD 213B		ACCELERATION 490 m/s ² STANDARD HOLDING TIME 11 ms, SEMI-SINE WAVE FOR 3TIMES IN 3 DIRECTION.		① MUST NOT CAUSE CURRENT INTERRUPTION GREATER THAN 100 ns. ② NO MECHANICAL DAMAGE SHALL OCCUR ON THE PARTS.	X —
ENVIRONMENTAL CHARACTERISTICS					
MOISTURE RESISTANCE METHOD 106E		10 CYCLES (1 CYCLE=24 HOURS)WITH CONNECTORS ENGAGED. AFTER THE TEST,THE TEST SAMPLE SHALL BE LEFT AT THE AMBIENT TEMP. FOR 1 TO 2 HOURS.		① CONTACT RESISTANCE :AFTER TEST 20 mΩ MAXIMUM CHANGE. ② INSULATION RESISTANCE :AFTER TEST 100 MΩ MINIMUM. ③ NO HEAVY CORROSION.	X —
THERMAL SHOCK METHOD 107G		TEMPERATURE -55→+5 TO 35→+85→+5 TO 35 °C TIME 30 → 5 MAX → 30 → 5MAXmin. UNDER 5 CYCLES WITH CONNECTORS ENGAGED. AFTER THE TEST,THE TEST SAMPLE SHALL BE LEFT AT THE AMBIENT TEMP. FOR 1 TO 2 HOURS.		① CONTACT RESISTANCE :AFTER TEST 20 mΩ MAXIMUM CHANGE. ② INSULATION RESISTANCE :AFTER TEST 100 MΩ MINIMUM. ③ NO PHYSICAL DAMAGE SHALL OCCUR DURING TESTING.	X —
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△					
REMARK				APPROVED	KI. AKIYAMA 08.10.28
				CHECKED	SI. TOMIOKA 08.10.28
				DESIGNED	NH. SUGITA 08.10.28
Unless otherwise specified, refer to MIL-STD-202F.				DRAWN	NH. TAMAI 08.10.27
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-020579-01
HRS	SPECIFICATION SHEET		PART NO.	IC1-68PD-1. 27DS (72)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL640-0002-4-72	△ 1/2

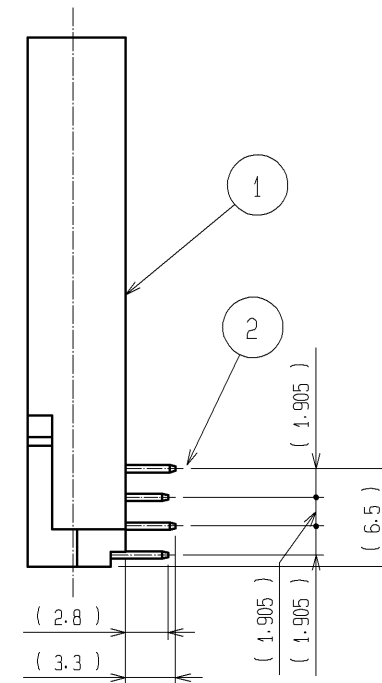
FORM HD0011-2-2



NOTE 1 THERE ARE TOTAL NUMBER OF 8 SEQUENCE CONTACTS.
PLACED AT THE BOTH ENDS AND THE CENTER.



RECOMMENDED PC BOARD PATTERN($t=1.6 \pm 0.1$)



2	BRASS	CONTACT AREA: $Ni2.5\mu m + Au0.2\mu m$
1	PBT	DIP AREA: $Ni2.5\mu m + Sn2\mu m$
NO.	MATERIAL	FINISH . REMARKS

UNITS	SCALE	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
mm	2 : 1	△				
APPROVED	HIROSE ELECTRIC CO., LTD.	HIROSE ELECTRIC CO., LTD.	HIROSE ELECTRIC CO., LTD.	HIROSE ELECTRIC CO., LTD.	HIROSE ELECTRIC CO., LTD.	HIROSE ELECTRIC CO., LTD.
CHECKED	SI. TOMIOKA	SI. TOMIOKA	SI. TOMIOKA	SI. TOMIOKA	SI. TOMIOKA	SI. TOMIOKA
DESIGNED	NH. SUGITA	NH. SUGITA	NH. SUGITA	NH. SUGITA	NH. SUGITA	NH. SUGITA
DRAWN	NH. TAMAI	NH. TAMAI	NH. TAMAI	NH. TAMAI	NH. TAMAI	NH. TAMAI
DRAWING NO.	EDC3-020579-01	EDC3-020579-01	EDC3-020579-01	EDC3-020579-01	EDC3-020579-01	EDC3-020579-01
PART NO.	IC1-68PD-1.27DS(72)	IC1-68PD-1.27DS(72)	IC1-68PD-1.27DS(72)	IC1-68PD-1.27DS(72)	IC1-68PD-1.27DS(72)	IC1-68PD-1.27DS(72)
CODE NO.	CL640-0002-4-72	CL640-0002-4-72	CL640-0002-4-72	CL640-0002-4-72	CL640-0002-4-72	CL640-0002-4-72