



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us


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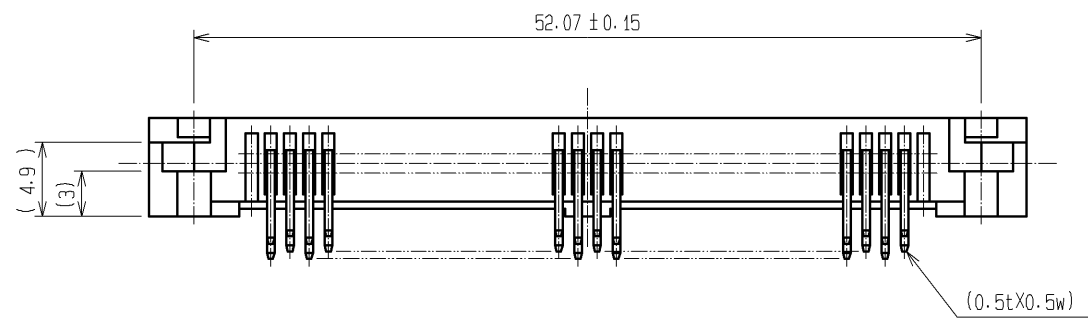
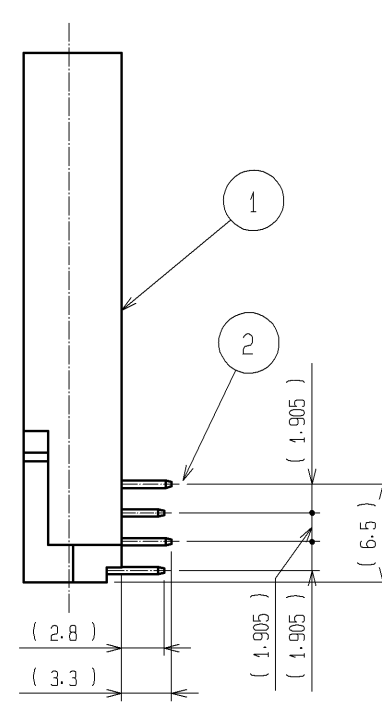
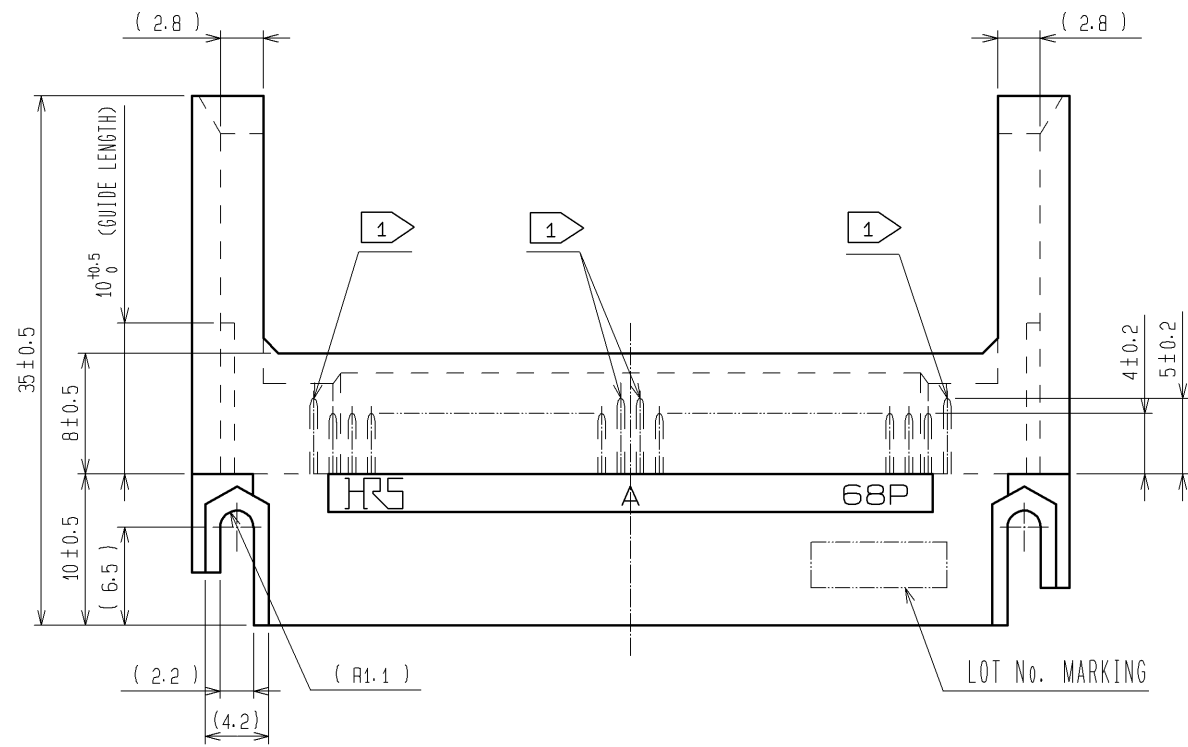
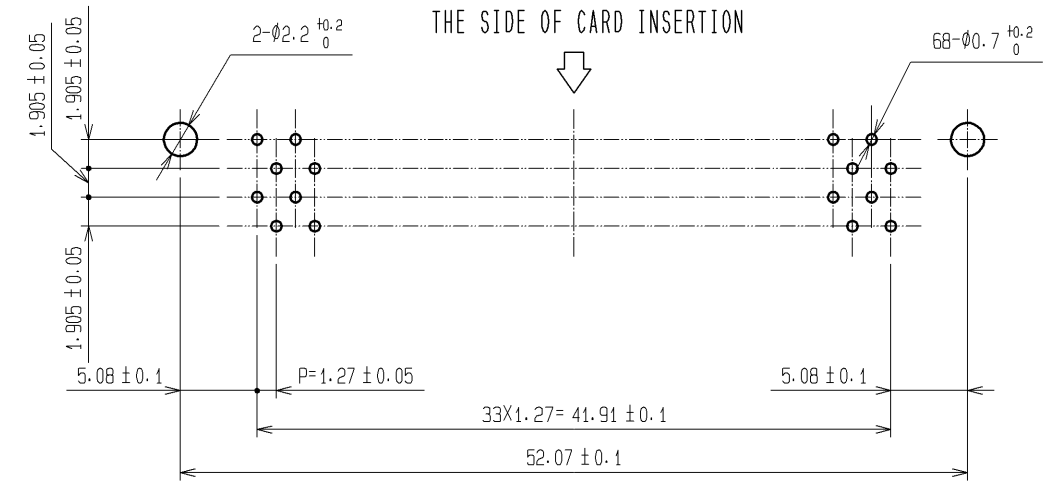
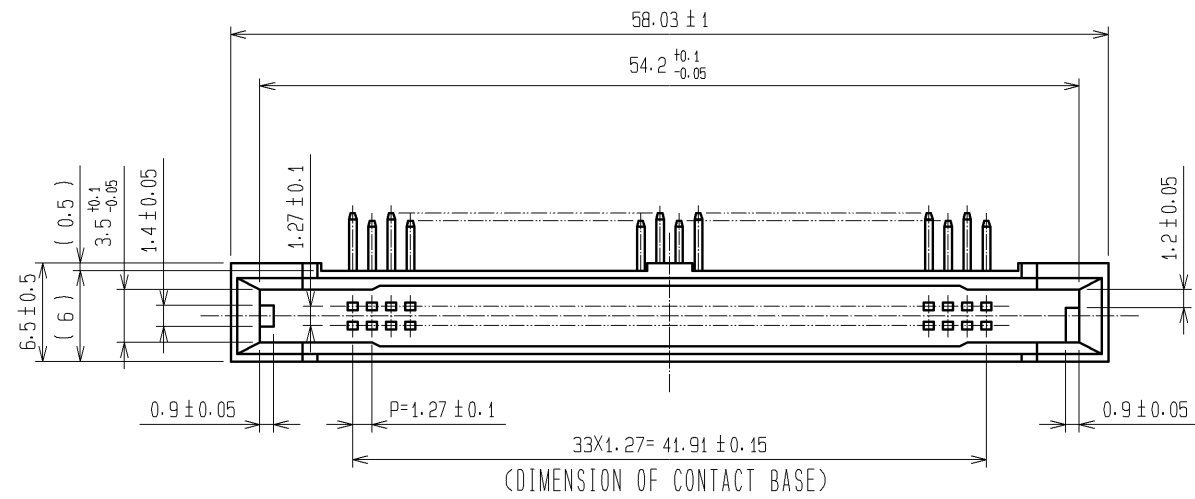
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APPLICABLE STANDARD		PC Card Standard				
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO +85 °C		STORAGE TEMPERATURE RANGE	-40 °C TO +70 °C	
	VOLTAGE	1~68: AC 125V		OPERATING HUMIDITY RANGE	95%MAXIMUM (NON-CONDENSING)	
	CURRENT	1~68: 0.5A				
SPECIFICATIONS						
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.		ELG4-020579-01	
HRS	SPECIFICATION SHEET		PART NO.	IC1-68PD-1. 27DS (72)		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL640-0002-4-72	△	1/2

SPECIFICATIONS					
ITEM	TEST METHOD	REQUIREMENTS	QT	AT	
DURABILITY (HIGH TEMPERATURE) METHOD 108A	EXPOSED AT 85 °C, 250 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 NO PHYSICAL DAMAGE SHALL OCCUR DURING TESTING.	X	—	
COLD RESISTANCE [JIS C 0020]	EXPOSED AT -55 °C, 96 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 NO PHYSICAL DAMAGE SHALL OCCUR DURING TESTING.	X	—	
HUMIDITY (NORMAL CONDITION) METHOD 103B	EXPOSED AT 40±2 °C, 90 TO 95 % RH 96 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 PHYSICAL DAMAGE SHALL OCCUR DURING TESTING.	X	—	
HYDROGEN SULPHIDE [JEIDA-38]	EXPOSED IN 3 PPM HYDROGEN SULFIDE, 40±2°C, APPROX.80% RH, 96 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 NO HEAVY CORROSION	X	—	
CORROSION SALT MIST METHOD 101D	EXPOSED IN 5±1 % SALT WATER SPRAY , 35±2°C, 48 HOURS, WITH CONNECTORS ENGAGED. AFTER THE TEST, THE TEST SAMPLE SHALL BE RINSED WITH WATER AND DRIED AT THE AMBIENT TEMP. FOR 24 HOURS.	NO HEAVY CORROSION.	X	—	
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	 2/2



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

2	BRASS	CONTACT AREA: Ni2.5 μ m+Au0.2 μ m DIP AREA: Ni2.5 μ m+Sn2 μ m
1	PBT	BLACK UL94V-0
NO.	MATERIAL	FINISH . REMARKS

UNITS mm		SCALE 2 : 1	COUNT \triangle	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
APPROVED : KI. AKIYAMA 08.10.28				DRAWING NO. EDC3-020579-01			
CHECKED : SI. TOMIOKA 08.10.28				PART NO. IC1-68PD-1.27DS(72)			
DESIGNED : NH. SUGITA 08.10.28				CODE NO. CL640-0002-4-72			
DRAWN : NH. TAMAI 08.10.27				\triangle 1/1			