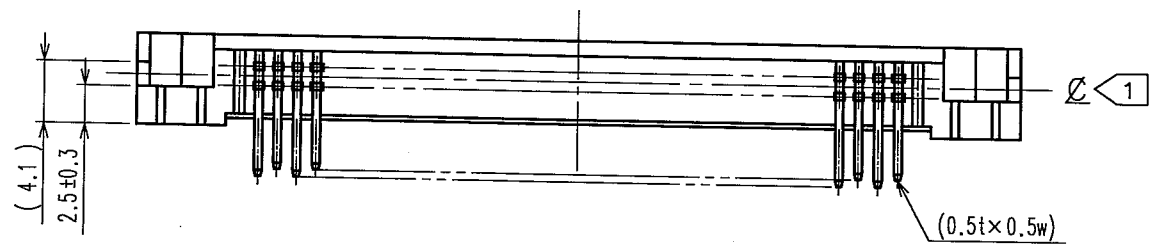
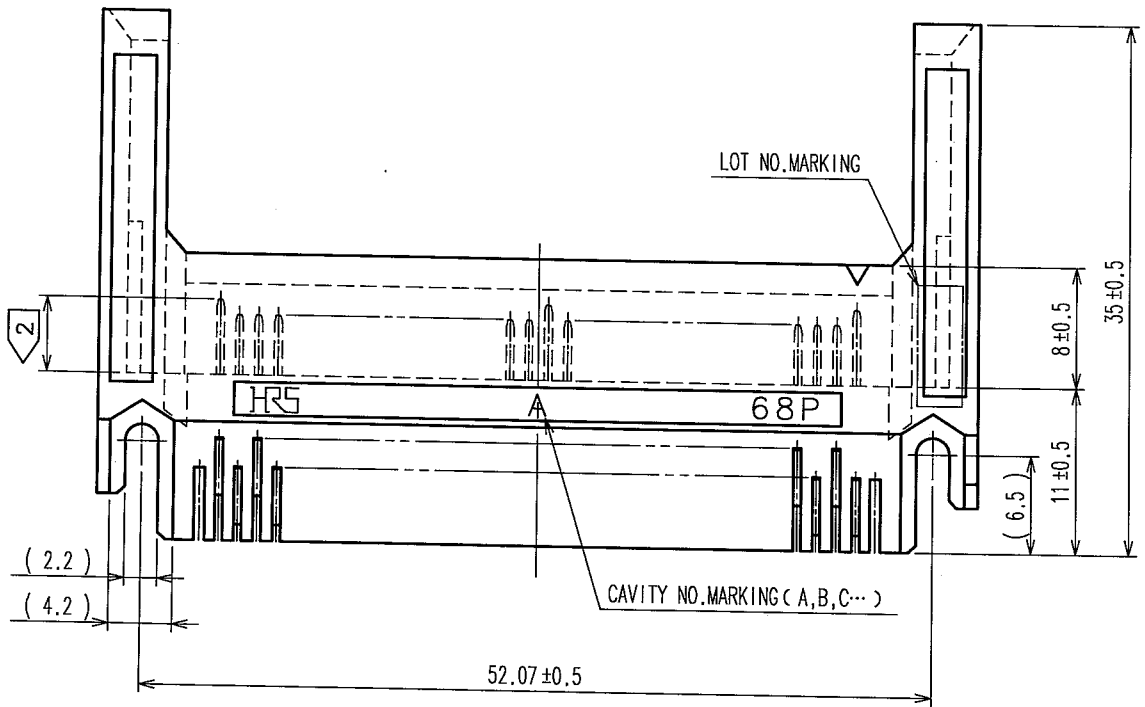
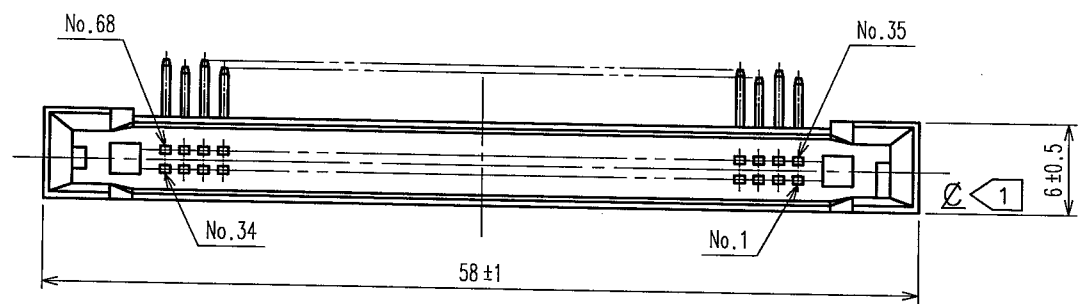


<b>APPLICABLE STANDARD</b>		PC Card Standard			
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO +85 °C		STORAGE TEMPERATURE RANGE	-40 °C TO +70 °C
	VOLTAGE	1 TO 68: AC 125V		OPERATING HUMIDITY RANGE	95%MAX (NON-CONDENSING)
	CURRENT	1 TO 68: 0.5A			
<b>SPECIFICATIONS</b>					
ITEM		TEST METHOD		REQUIREMENTS	QT AT
<b>CONSTRUCTION</b>					
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	X X
MARKING		CONFIRMED VISUALLY.			X X
<b>ELECTRIC CHARACTERISTICS</b>					
CONTACT RESISTANCE (LOW LEVEL) [MIL-STD-1344A] METHOD 3002.1		OPEN VOLTAGE 20 mV AC MAX, TEST CURRENT 1mA.		INITIALLY 40mΩ MAX.	X -
WITHSTANDING VOLTAGE <b>METHOD 301</b>		500 Vrms AC IS APPLIED FOR 1 MINUTE.		NO SHORTING OR OTHER DAMAGES.	X -
INSULATION RESISTANCE <b>METHOD 302</b>		MEASURE WITHIN 1 MINUTE AFTER APPLYING 500 V DC.		INITIALLY 1000 MΩ MIN.	X -
<b>MECHANICAL CHARACTERISTICS</b>					
TOTAL INSERTION FORCE		MEASURED BY APPLICABLE CONNECTOR.		39.2 N MAX.	X -
TOTAL PULLING FORCE				6.67 N MIN.	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 MAX CHANGE. ② NO MECHANICAL DAMAGE SHALL OCCUR ON THE PARTS.	X -
VIBRATION AND HIGH FREQUENCY <b>METHOD 204D</b>		FREQUENCY 10 TO 2000 Hz, AMPLITUDE 1.52 mm, 147 m/s <sup>2</sup> 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 <b>METHOD 213B</b>		ACCELERATION 490 m/s <sup>2</sup> STANDARD HOLDING TIME 11 ms, SEMI-SINE WAVE FOR 3TIMES IN 3 DIRECTION.			X -
<b>ENVIRONMENTAL CHARACTERISTICS</b>					
MOISTURE RESISTANCE <b>METHOD 106E</b>		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 MAX CHANGE. ② INSULATION RESISTANCE :AFTER TEST 100 MΩ MIN. ③ NO HEAVY CORROSION.	X -
THERMAL SHOCK <b>METHOD 107G</b>		TEMPERATURE -55→+5 TO 35→+85→+5 TO 35 °C TIME 30 → 5 MAX.→30 → 5MAX.min. 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 MAX CHANGE. ② INSULATION RESISTANCE :AFTER TEST 100 MΩ MIN. ③ NO PHYSICAL DAMAGE SHALL OCCUR DURING TESTING.	X -
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△					
REMARK				APPROVED	KI.AKIYAMA 05.08.12
				CHECKED	KI.AKIYAMA 05.08.12
				DESIGNED	HT.SUGIMURA 05.08.10
				DRAWN	HM.SAITO 05.08.10
Unless otherwise specified, refer to MIL-STD-202F.					
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-082341-01
<b>HRS</b>	SPECIFICATION SHEET		PART NO.	IC1FA-68PD-1.27DS(72)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL640-0016-9-72	△ 1/2

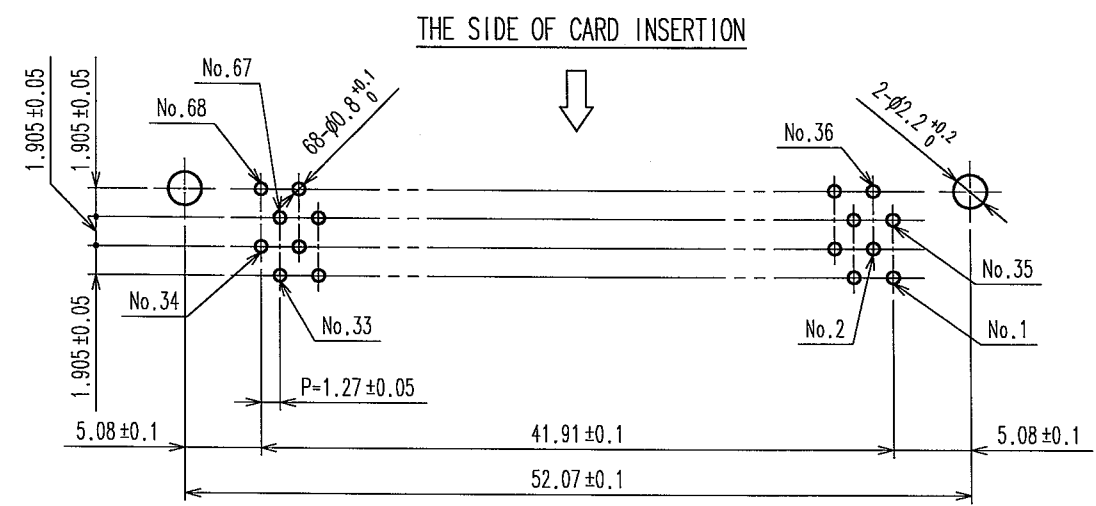
SPECIFICATIONS					
ITEM	TEST METHOD	REQUIREMENTS	QT	AT	
DURABILITY (HIGH TEMPERATURE)  METHOD 108A	EXPOSED AT 85 °C,250 HOURS WITH CONNECTORS ENGAGED. AFTER THE TEST,THE TEST SAMPLE SHALL BE LEFT AT THE AMBIENT TEMP. FOR 1 TO 2 HOURS.	① CONTACT RESISTANCE :AFTER TEST 20 mΩ MAX CHANGE. ② NO PHYSICAL 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 MAX 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 MAX CHANGE. ② INSULATION RESISTANCE :AFTER TEST 100 MΩ MIN. 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 MAX 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.	ELC4-082341-01		
HRS	SPECIFICATION SHEET	PART NO.	1C1FA-68PD-1.27DS(72)		
	HIROSE ELECTRIC CO., LTD.	CODE NO	CL640-0016-9-72	△	2/2

2019/02/27 06:19:09(JST) Hayley North  
RoHS2(10 substances conformity)  
DRAWING FOR REFERENCE: This is subject to change without notice  
In cases where the application will demand a high level of reliability, such as automotive, please contact a company representative for further information.

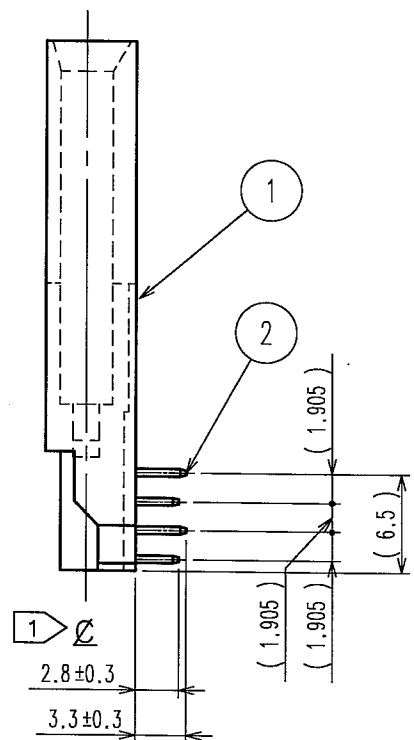
TO



COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE



RECOMMENDED PCB HOLE (BACK BOARD) LAYOUT  
(MOUNTING SIDE)



NOTE 1. INDICATES THE ENGAGEMENT CENTER LINE.  
2. PC CARD INTERFACE DIMENSION CORRESPONDS TO PC Card Standard.

2	BRASS	CONTACT AREA: Ni2.5μm+Au0.2μm
1	PBT	BLACK UL94V-0
NO.	MATERIAL	FINISH, REMARKS

CODE NO. (OLD) CL?	DRAWN H.Saitou 05.08.10	DESIGNED H.Saitou 05.08.10	CHECKED <i>K. Hayama</i> 05.08.12	APPROVED <i>K. Hayama</i> 05.08.12	RELEASED ..
DRAWING NO. EDC3-082341-01		PART NO. IC1FA-68PD-1.27DS(72)			
SCALE 2 : 1		CODE NO. CL640-0016-9-72			
UNITS mm		1/1			

# Mouser Electronics

Authorized Distributor

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