

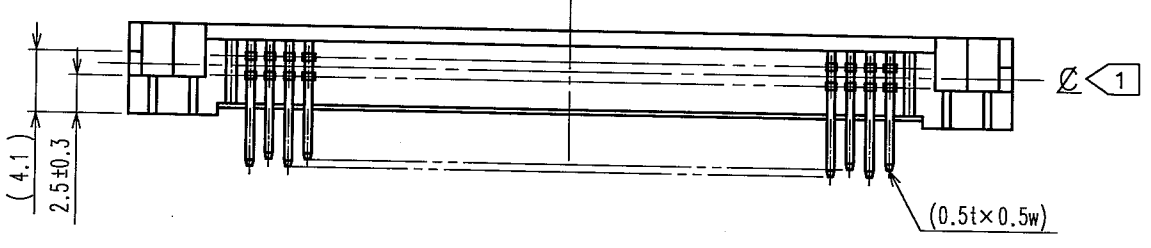
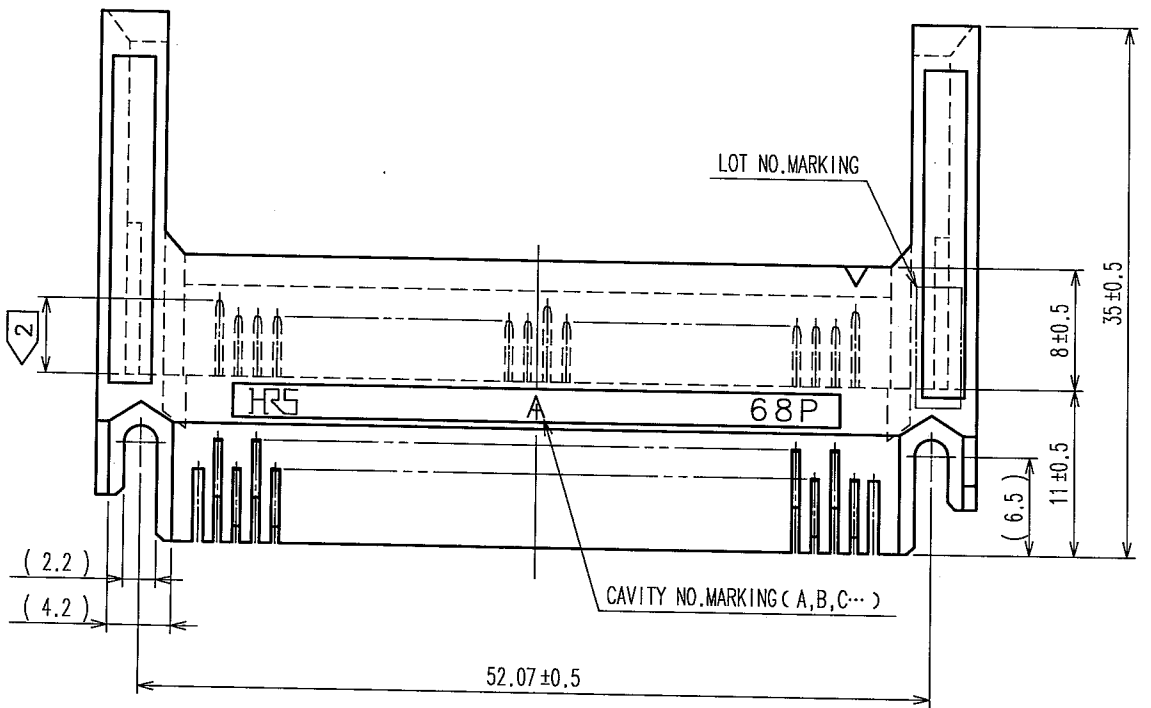
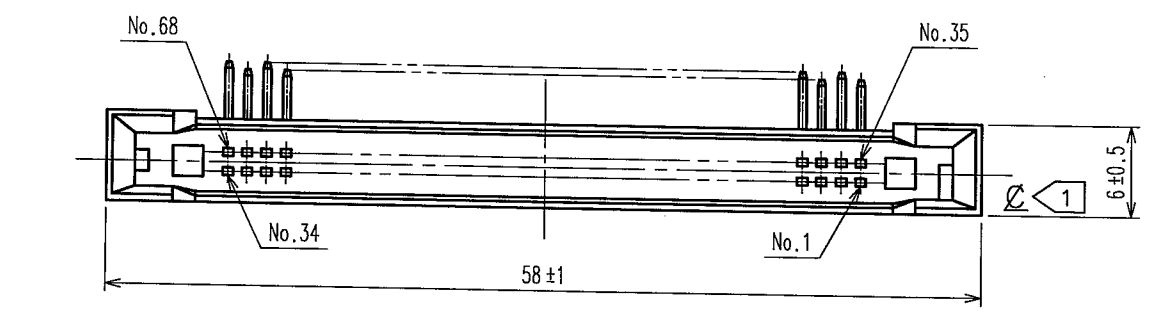
APPLICABLE STANDARD		PC Card Standard				
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO +85 °C		STORAGE TEMPERATURE RANGE	-40 °C TO +70 °C	
	VOLTAGE	1 TO 68: AC 125V		OPERATING HUMIDITY RANGE	95%MAX (NON-CONDENSING)	
	CURRENT	1 TO 68: 0.5A				
SPECIFICATIONS						
ITEM	TEST METHOD			REQUIREMENTS	QT	AT
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 MAX.	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 MIN.	X	-
MECHANICAL CHARACTERISTICS						
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 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.				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 MAX CHANGE. ② INSULATION RESISTANCE :AFTER TEST 100 MΩ MIN. ③ NO HEAVY CORROSION.	X	-
THERMAL SHOCK METHOD 107G	TEMPERATURE -55 → +5 TO 35 → +85 → +5 TO 35 °C TIME 30 → 5 MAX. → 30 → 5 MAX. 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	K.I. AKIYAMA	05.08.12
				CHECKED	K.I. 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	
	SPECIFICATION SHEET			PART NO.	1C1FA-68PD-1.27DS(72)	
	HIROSE ELECTRIC CO., LTD.			CODE NO.	CL640-0016-9-72	

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

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