

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△					△				
△					△				
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.			○	○
MARKING		CONFIRMED VISUALLY.						○	○
ELECTRIC CHARACTERISTICS									
CONTACT RESISTANCE (LOW LEVEL) (MIL-STD-1344A) METHOD 3002.1		OPEN VOLTAGE 20 mV AC MAX, TEST CURRENT 1mA.			INITIALLY 60mΩ MAXIMUM.			○	○
WITHSTANDING VOLTAGE METHOD 301		500 Vrms AC IS APPLIED FOR 1 MINUTE.			NO SHORTING OR OTHER DAMAGES.			○	○
INSULATION RESISTANCE METHOD 302		MEASURE WITHIN 1 MINUTE AFTER APPLYING 500 V DC.			INITIALLY 1000 MΩ MINIMUM.			○	○
MECHANICAL CHARACTERISTICS									
SINGLE PIN PULLING FORCE		PULL THE STEEL GAUGE PIN. GAUGE SIZE: $\phi 0.420 \pm 0.005$ mm			0.098 N MINIMUM INITIAL VALUE.			—	—
TOTAL INSERTION FORCE		MEASURED BY APPLICABLE CONNECTOR.			39.2 N MAXIMUM			○	○
TOTAL PULLING FORCE					6.67 N MINIMUM AND 39.2 N MAXIMUM			○	○
MECHANICAL OPERATION [OFFICE ENVIRONMENT]		10000 TIMES INSERTIONS AND WITH DRAWAL SHALL BE MADE AT THE CYCLE RATE 400~600 CYCLES/h.			① CONTACT RESISTANCE AFTER TEST 20 mΩ MAXIMUM CHANGE. ② NO MECHANICAL DAMAGE SHALL OCCUR ON THE PARTS.			○	—
VIBRATION AND HIGH FREQUENCY METHOD 204D		FREQUENCY 10 TO 2000 Hz, AMPLITUDE 1.52 mm, 147 m/s ² PEAK AT 4 h, FOR 3 DIRECTIONS.			① MUST NOT CAUSE CURRENT INTERRUPTION GREATER THAN 100 ns. ② NO MECHANICAL DAMAGE SHALL OCCUR ON THE PARTS.			○	—
SHOCK METHOD 213B		ACCELERATION 490 m/s ² STANDARD HOLDING TIME 11 ms, SEMI-SINE WAVE AT 3TIMES FOR 3 DIRECTION.						○	—
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.			○	—
THERMAL SHOCK METHOD 107G		TEMPERATURE -55 → +5~35 → +85 → +5~35 °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 MAXIMUM CHANGE. ② INSULATION RESISTANCE AFTER TEST 100 MΩ MINIMUM. ③ NO PHYSICAL DAMAGE SHALL OCCUR DURING TESTING.			○	—
REMARKS					DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
FOR REFERENCE ONLY Subject to change without notice Unless otherwise specified, refer to MIL-STD-202F.					M. Ezeki 98.03.24	M. Ezeki 98.03.24	M. Sakida 98.03.24	Y. Yoshimura 98.03.24	HRS 27.02 USA
Note QT:Qualification Test AT:Assurance Test ○:Applicable Test									
HRS HIROSE ELECTRIC CO., LTD.					SPECIFICATION SHEET				
PART NO. IC11-68PL-1.27SF-EJR									
CODE NO.(OLD)		DRAWING NO.			PART NO.			1	
CL		ELC4-151561			CL640-1001-7			2	

FORM No.231-1

PC

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.	○	—		
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.	○	—		
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.	○	—		
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	○	—		
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.	○	—		
FOR REFERENCE ONLY Subject to change without notice						
REMARKS		DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
		<i>M. Ezaki</i>	<i>M. Ezaki</i>	<i>M. Iida</i>	<i>T. Yoshimura</i>	
Unless otherwise specified, refer to MIL-STD-202F.		98.03.24	98.03.24	98.03.24	98.03.24	
Note QT: Qualification Test AT: Assurance Test ○: Applicable Test						
 HIROSE ELECTRIC CO., LTD.		SPECIFICATION SHEET		PART NO. IC11-68PL-1.27SF-EJR		
CODE NO. (OLD)		DRAWING NO.		PART NO.		
CL		ELC4-151561		CL640-1001-7		2



