

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
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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

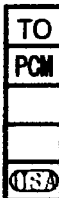
MOISTURE RESISTANCE METHOD 106E	10 CYCLES (1 CYCLE=24 HOURS)WITH CONNECTORS ENGAGED. AFTER THE TEST,THE TEST SAMPLE SHALL BE LEFT AT THE AMBIENT TEMP. FOR 1 TO 2 HOURS.	① CONTACT RESISTANCE AFTER TEST 20 mΩ MAXIMUM CHANGE. ② INSULATION RESISTANCE AFTER TEST 100 MΩ MINIMUM. ③ NO HEAVY CORROSION.	○	-
THERMAL 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
	<p style="text-align: center;">FOR REFERENCE ONLY Subject to change without notice</p> <p>Unless otherwise specified, refer to MIL-STD-202F.</p> <p>Note QT:Qualification Test AT:Assurance Test ○:Applicable Test</p>				
	<i>M. Ezeki</i>	<i>M. Ezeki</i>	<i>M. Sakida</i>	<i>Z. Yoshimura</i>	
	98.03.24	98.03.24	98.03.24	98.03.24	

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.	
CL	ELC4-151561	CL640-1001-7	1 2



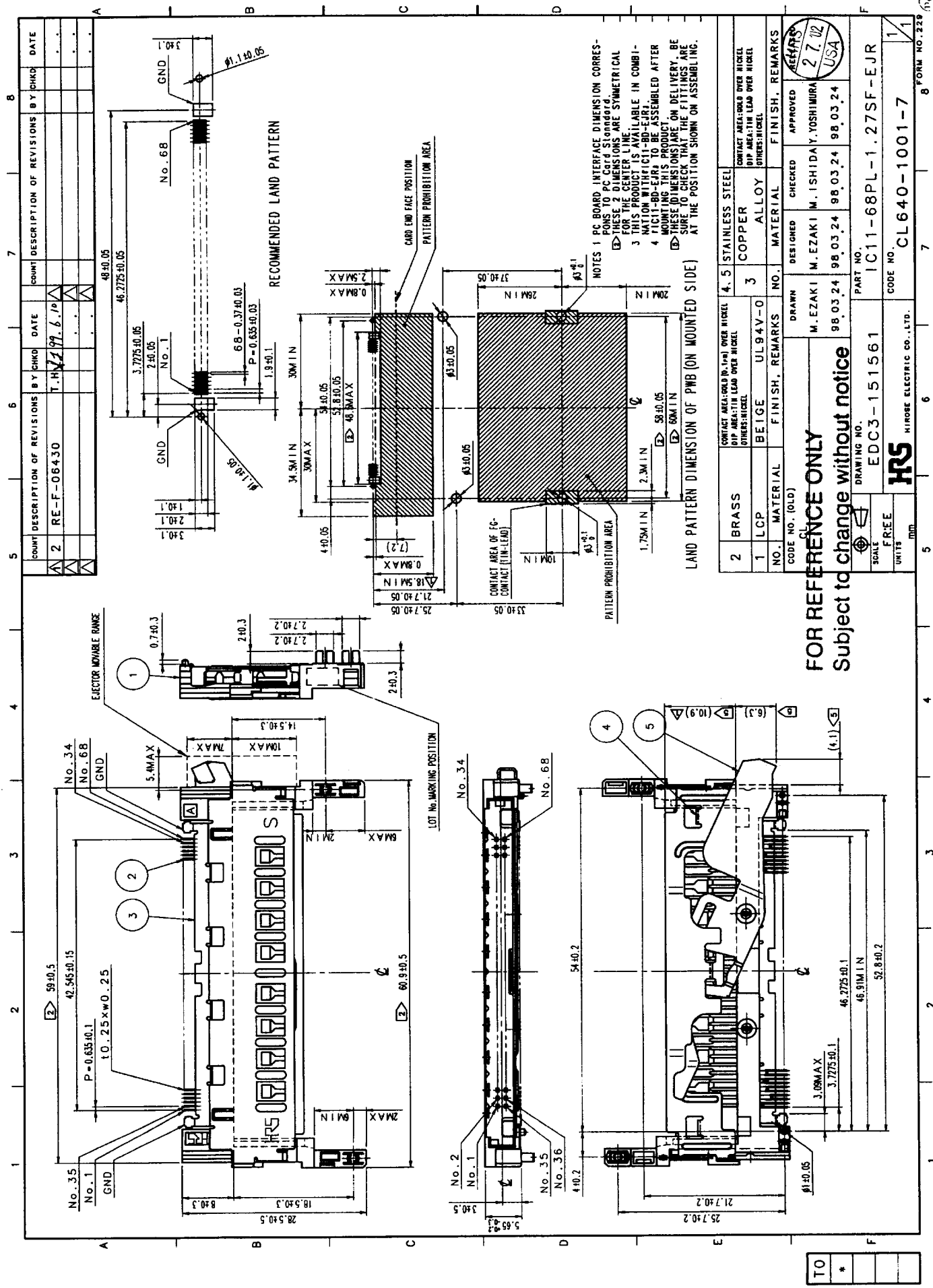
SPECIFICATIONS

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.	○	—
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.	○	—
<p>FOR REFERENCE ONLY Subject to change without notice</p>				

REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
Unless otherwise specified, refer to MIL-STD-202F. Note QT:Qualification Test AT:Assurance Test ○:Applicable Test	<i>M. Eguchi</i>	<i>M. Eguchi</i>	<i>M. Sakida</i>	<i>J. Yoshimura</i>	
	98.03.24	98.03.24	98.03.24	98.03.24	

TO
PCM

HRS HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO. IC11-68PL-1.27SF-EJR
CODE NO.(OLD) CL	DRAWING NO. ELC4-151561	PART NO. CL640-1001-7
		2



NO.	DESCRIPTION OF REVISIONS	BY	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	DATE
2	RE-F-06430	T.H.N	99.6.10				

NO.	DESCRIPTION OF REVISIONS	BY	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	DATE
1							

NO.	MATERIAL	FINISH	REMARKS	NO.	MATERIAL	FINISH	REMARKS
2	BRASS		CONTACT AREA (R.10μ) OVER NICKEL DIP AREA: TIN LEAD OVER NICKEL OTHERS: NICKEL	4, 5	STAINLESS STEEL		CONTACT AREA: GOLD OVER NICKEL DIP AREA: TIN LEAD OVER NICKEL OTHERS: NICKEL
1	LCP	BEIGE	UL94V-0	3	COPPER	ALLOY	

CODE NO. (OLD)

DRAWN: M. EZAKI
DESIGNED: M. EZAKI
CHECKED: M. EZAKI
APPROVED: M. EZAKI

DRAWING NO.: 98.03.24
PART NO.: IC11-68PL-1.27SF-EJR

SCALE: FREE
UNITS: mm

CODE NO.: CL640-1001-7

FORM NO.: 229 (8)

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Subject to change without notice

HRS
HIROSE ELECTRIC CO., LTD.