

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							
<b>SPECIFICATIONS</b>									
ITEM		TEST METHOD			REQUIREMENTS			QT	AT
<b>CONSTRUCTION</b>									
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.			○	○
MARKING		CONFIRMED VISUALLY.						○	○
<b>ELECTRIC CHARACTERISTICS</b>									
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.			○	○
<b>MECHANICAL CHARACTERISTICS</b>									
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 <sup>2</sup> 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 <sup>2</sup> STANDARD HOLDING TIME 11 ms, SEMI-SINE WAVE AT 3TIMES FOR 3 DIRECTION.						○	-
<b>ENVIRONMENTAL CHARACTERISTICS</b>									
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				M. Ezeki	M. Ezeki	M. Sakita	J. Yoshimura	HRS 2.7.02 USA	
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									
<b>HRS</b> 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	





FORM No.231-1

PC

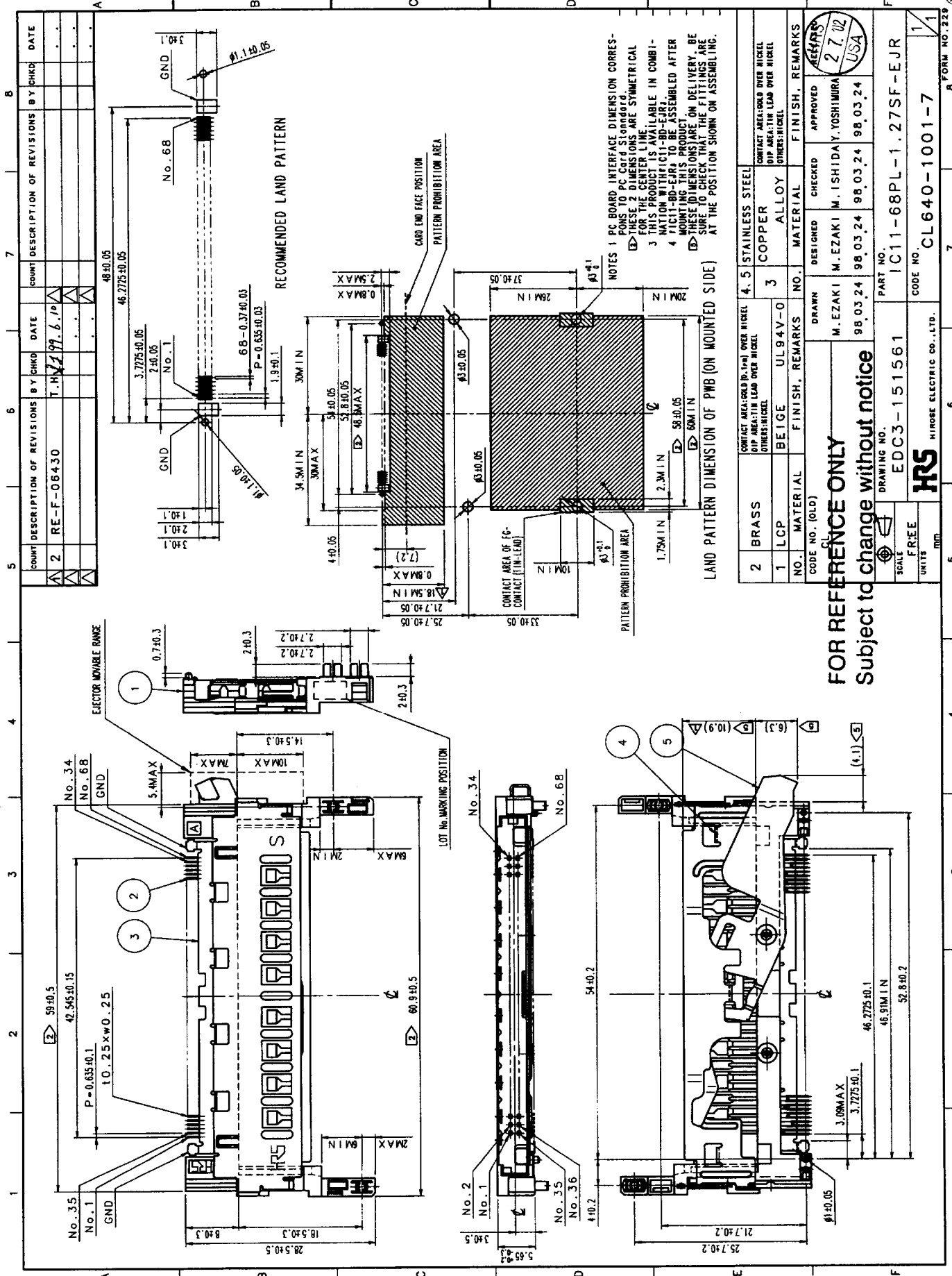
## SPECIFICATIONS

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.	○	—
<p><b>FOR REFERENCE ONLY</b> 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. Ezaki</i> 98.03.24	<i>M. Ezaki</i> 98.03.24	<i>M. Sakida</i> 98.03.24	<i>T. Yoshimura</i> 98.03.24	
			<p style="text-align: center;"><b>SPECIFICATION SHEET</b></p>		
<p><b>HRS</b> HIROSE ELECTRIC CO., LTD.</p>	<p>CODE NO.(OLD) CL</p>	<p>DRAWING NO. ELC4-151561</p>	<p>PART NO. CL640-1001-7</p>	<p>2</p>	

FORM No.231-2





5	6	7	8	
COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
2	RE-F-064.30	T.H.N.	199.6.10	

**FOR REFERENCE ONLY**  
 Subject to change without notice

NO.	MATERIAL	FINISH, REMARKS	NO.	MATERIAL	FINISH, REMARKS
2	BRASS	CONTACT AREA (R.D.R. 1-1/4) OVER NICKEL DIP AREA-TIN LEAD OVER NICKEL OTHERS-NICKEL	4, 5	STAINLESS STEEL	CONTACT AREA-TIN LEAD OVER NICKEL OTHERS-NICKEL
1	LCP	BEIGE	3	COPPER	ALLOY

CODE NO. (OLD)	FINISH, REMARKS	NO.	MATERIAL	FINISH, REMARKS
	UL94V-0	3	ALLOY	

DRAWING NO.	PART NO.
EDC3-151561	IC11-68PL-1.27SF-EJR

SCALE	UNITS
FREE	MM

COMPANY	ADDRESS
HRS	HIROSE ELECTRIC CO., LTD.