

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.	<input type="radio"/>	<input type="radio"/>
MARKING	CONFIRMED VISUALLY.		<input type="radio"/>	<input type="radio"/>

ELECTRIC CHARACTERISTICS				
CONTACT RESISTANCE (LOW LEVEL) (MIL-STD-1344A) METHOD 3002.1	OPEN VOLTAGE 20 mV AC MAX, TEST CURRENT 1mA.		<input type="checkbox"/>	<input type="checkbox"/>
WITHSTANDING VOLTAGE METHOD 301	500 Vrms AC IS APPLIED FOR 1 MINUTE.		<input type="checkbox"/>	<input type="checkbox"/>
INSULATION RESISTANCE METHOD 302	MEASURE WITHIN 1 MINUTE AFTER APPLYING 500 V DC.		<input type="checkbox"/>	<input type="checkbox"/>

MECHANICAL CHARACTERISTICS				
SINGLE PIN PULLING FORCE	PULL THE STEEL GAUGE PIN. GAUGE SIZE: $\phi 0.420 \pm 0.005$ mm		<input type="checkbox"/>	<input type="checkbox"/>
TOTAL INSERTION FORCE	MEASURED BY APPLICABLE CONNECTOR.		<input type="checkbox"/>	<input type="checkbox"/>
TOTAL PULLING FORCE			<input type="checkbox"/>	<input type="checkbox"/>
MECHANICAL OPERATION [OFFICE ENVIRONMENT]	10000 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE : AFTER TEST 20 mΩ MAXIMUM CHANGE. ② NO MECHANICAL DAMAGE SHALL OCCUR ON THE PARTS.	<input type="radio"/>	<input type="checkbox"/>
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.	<input type="radio"/>	<input type="checkbox"/>
SHOCK METHOD 213B	ACCELERATION 490 m/s ² STANDARD HOLDING TIME 11 ms, SEMI-SINE WAVE AT 3 TIMES FOR 3 DIRECTION.		<input type="radio"/>	<input type="checkbox"/>

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.	<input type="radio"/>	<input type="checkbox"/>
THERMAL SHOCK METHOD 107G	TEMPERATURE -55 → +5~35 → +85 → +5~35 °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 MAXIMUM CHANGE. ② INSULATION RESISTANCE : AFTER TEST 100 MΩ MINIMUM. ③ NO PHYSICAL DAMAGE SHALL OCCUR DURING TESTING.	<input type="radio"/>	<input type="checkbox"/>

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>				
		<i>M. Egaku</i>	<i>M. Egaku</i>	<i>M. Sakichi</i>	<i>J. Yoshimura</i>
		198.03.24	198.03.24	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-BD-EJR
	CODE NO. (OLD)	DRAWING NO.	PART NO.	
CL	ELC4-151606	CL640-1053-0	1	2


FORM No.231-1

TO
PCM
CISA

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

REMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
Unless otherwise specified, refer to MIL-STD-202F.	<i>M. Egahai</i>	<i>M. Egahai</i>	<i>M. Sakaki</i>	<i>T. Yoshimura</i>	
		198.03.24	198.03.24	98.03.24	

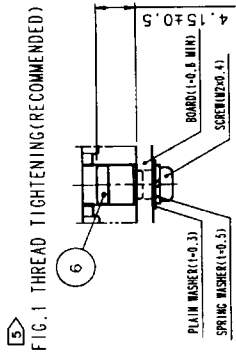
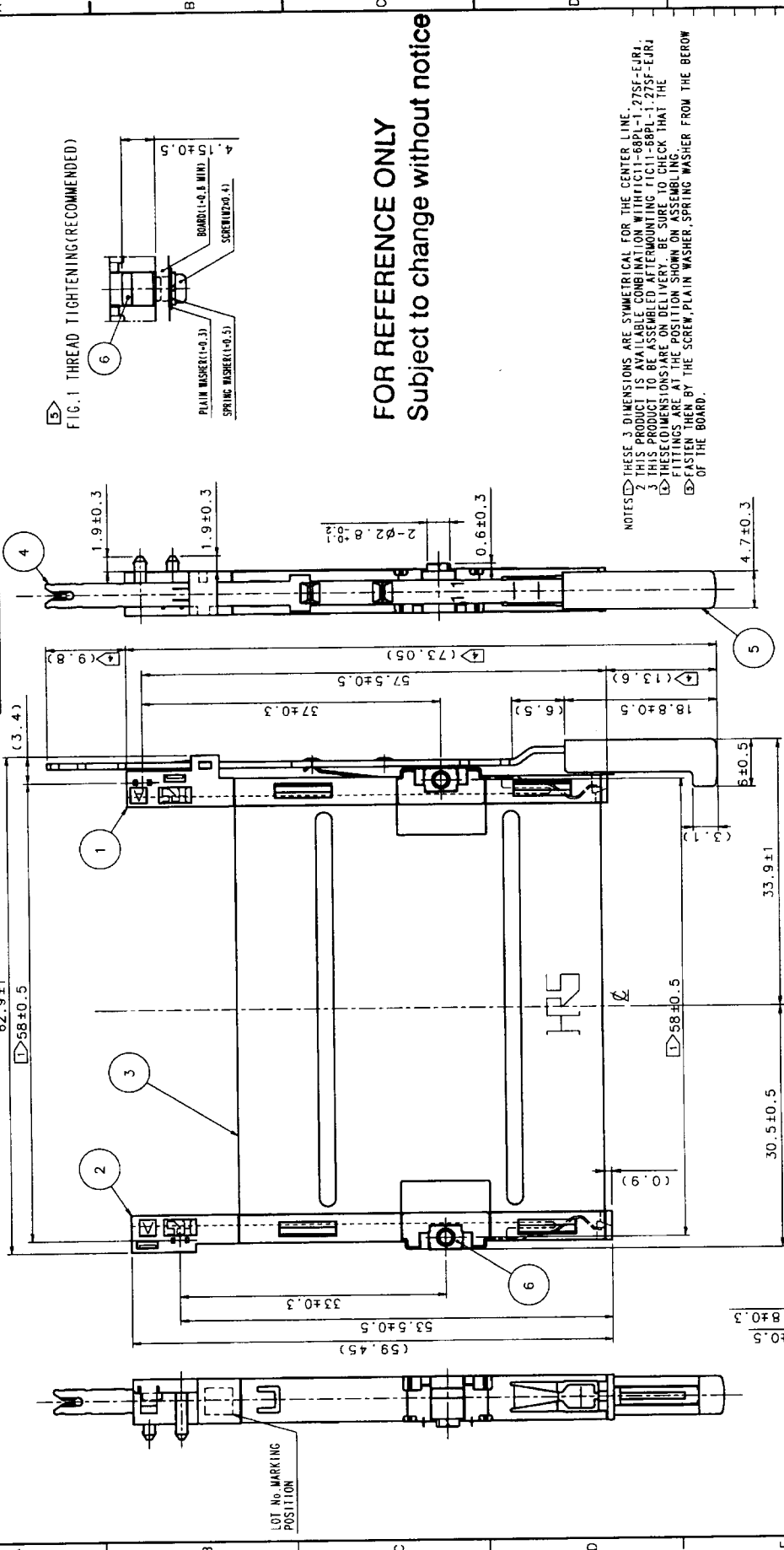
Note QT: Qualification Test AT: Assurance Test ○: Applicable Test

HRS HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO. IC11-BD-EJR
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CODE NO.(OLD) CL	DRAWING NO. ELC4-151606	PART NO. CL640-1053-0	2
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5	6	7	8
COUNT DESCRIPTION OF REVISIONS	BY CHKD	DATE	DESCRIPTION OF REVISIONS



3. 4	6	6	6
STAINLESS STEEL	STEEL	STEEL	STEEL
BLACK	BLACK	BLACK	BLACK
UL94V-0	UL94V-0	UL94V-0	UL94V-0
MATERIAL	MATERIAL	MATERIAL	MATERIAL
NO.	NO.	NO.	NO.
FINISH, REMARKS	FINISH, REMARKS	FINISH, REMARKS	FINISH, REMARKS
CODE NO. (OLD)	CODE NO. (OLD)	CODE NO. (OLD)	CODE NO. (OLD)
CL	CL	CL	CL

DESIGNED: *M. Egashira*
 CHECKED: *M. Akita*
 DRAWN: *M. Egashira*
 APPROVED: *J. Yoshimura*
 DATE: 98.03.27

DRAWING NO. EDC3-151606
 PART NO. IC11-BD-EJR
 CODE NO. CL640-1053-0

SCALE: FREE
 UNITS: MM

HRS HIROSE ELECTRIC CO., LTD.

TO * (CS)