



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.							-	-
WITHSTANDING VOLTAGE METHOD 301	500 Vrms AC IS APPLIED FOR 1 MINUTE.							-	-
INSULATION RESISTANCE METHOD 302	MEASURE WITHIN 1 MINUTE AFTER APPLYING 500 V DC.							-	-
MECHANICAL CHARACTERISTICS									
SINGLE PIN PULLING FORCE	PULL THE STEEL GAUGE PIN. GAUGE SIZE: φ 0.420±0.005mm							-	-
TOTAL INSERTION FORCE	MEASURED BY APPLICABLE CONNECTOR.							-	-
TOTAL PULLING FORCE								-	-
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.			○	-
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. Egebu	M. Egebu	M. Sahidi	J. Yoshimura	
					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) CL			DRAWING NO. ELC4-151606		PART NO. CL640-1053-0			1	2

FORM No.231-1



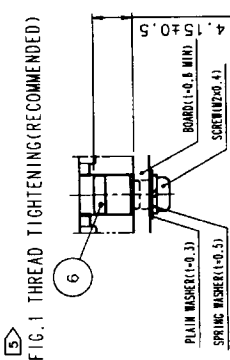
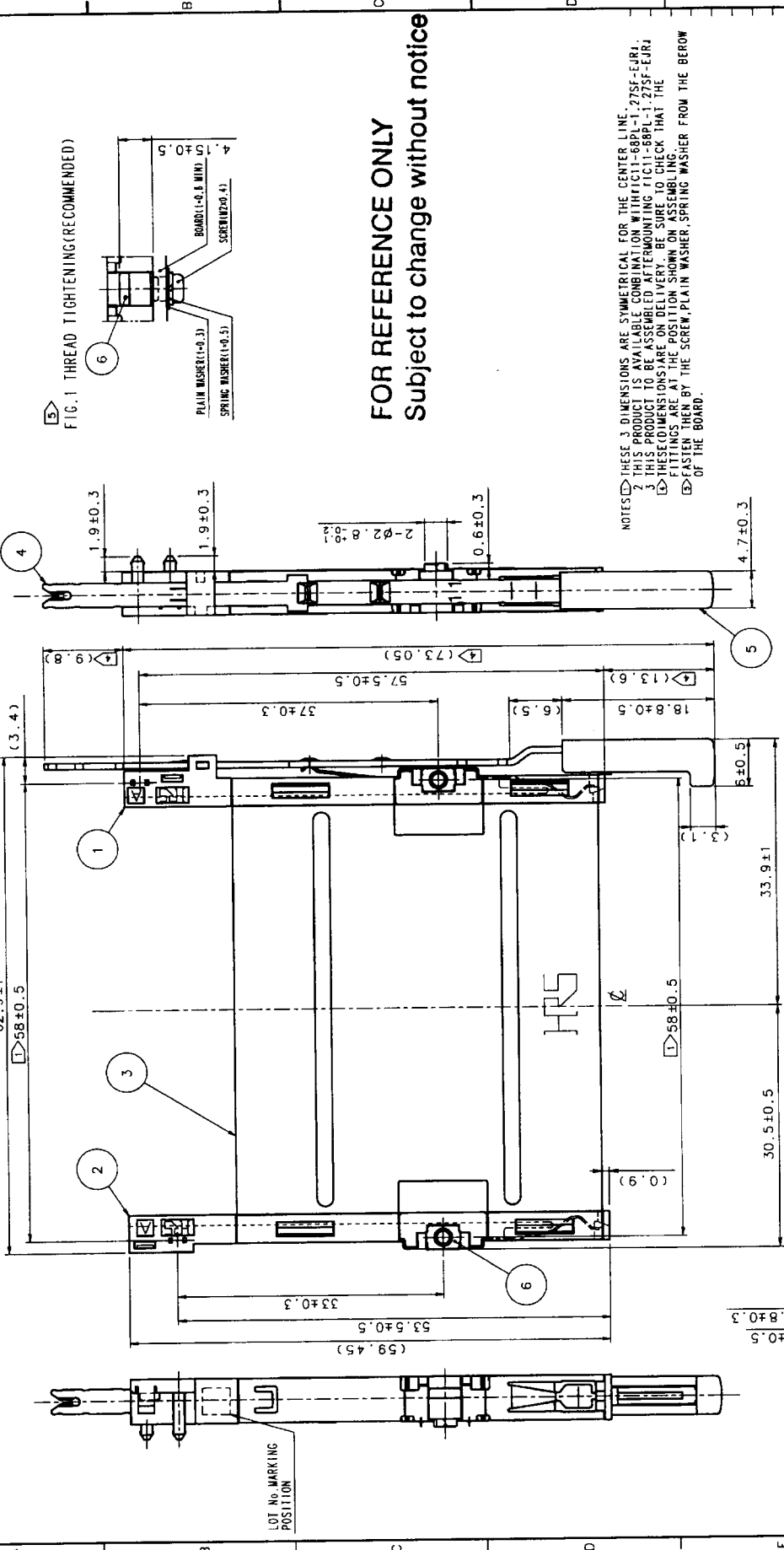
SPECIFICATIONS						
ITEM	TEST METHOD	REQUIREMENTS	QT	AT		
DURABILITY (HIGH TEMPERATURE) METHOD 108A	EXPOSED AT 85 °C, 250 HOURS WITH CONNECTORS ENGAGED. AFTER THE TEST, THE TEST SAMPLE SHALL BE LEFT AT THE AMBIENT TEMP. FOR 1 TO 2 HOURS.	① CONTACT RESISTANCE :AFTER TEST 20 mΩ MAXIMUM CHANGE. ② NO PHYSICAL 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.		M. Egabai 198.03.24	M. Egabai 198.03.24	M. Sakic 98.03.24	J. Yoshimura 98.03.24	HRS 5 9 02 USA
Note QT:Qualification Test AT:Assurance Test ○:Applicable Test						
 HIROSE ELECTRIC CO., LTD.			SPECIFICATION SHEET		PART NO. IC11-BD-EJR	
CODE NO.(OLD)		DRAWING NO.		PART NO.		
CL		ELC4-151606		CL640-1053-0		2



FORM No.231-2



NO.	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	NO.	DESCRIPTION OF REVISIONS	BY	CHKD	DATE



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NOTES: THESE 3 DIMENSIONS ARE SYMMETRICAL FOR THE CENTER LINE.
 1 THIS PRODUCT IS AVAILABLE COMBINATION WITH IC11-68PL-1, 275F-EJRI.
 2 THIS PRODUCT TO BE ASSEMBLED AFTER MOUNTING IC11-68PL-1, 275F-EJRI.
 3 THESE DIMENSIONS ARE ON DELIVERY. BE SURE TO CHECK THAT THE FITTINGS ARE AT THE POSITION SHOWN IN THE DRAWING.
 4 FASTER TO BE BY THE SCREW, PLAIN WASHER, SPRING WASHER FROM THE BELOW OF THE BOARD.

NO.	MATERIAL	FINISH	REMARKS	NO.	MATERIAL	FINISH	REMARKS
3.4	STAINLESS STEEL	BLACK	UL94V-0	6	STEEL	M2x0.4	BLACK UL94V-0
1.2	PBT	BLACK	UL94V-0	5	PBT	BLACK	UL94V-0

CL	CODE NO. (OLD)	DESIGNED	CHECKED	APPROVED	REMARKS
		M. Gopal	M. Balaji	G. Prabhakar	HRS 5902 USA
		98.03.27	98.03.28	98.03.28	

SCALE	FR:EE	UNITS	MM
DRAWING NO.	EDC3-151606		
PART NO.	IC11-BD-EJR		
CODE NO.	CL640-1053-0		