

Excellent Integrated System Limited

Stocking Distributor

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[Hirose Electric Co Ltd](#)
[IC11-BD-EJR](#)

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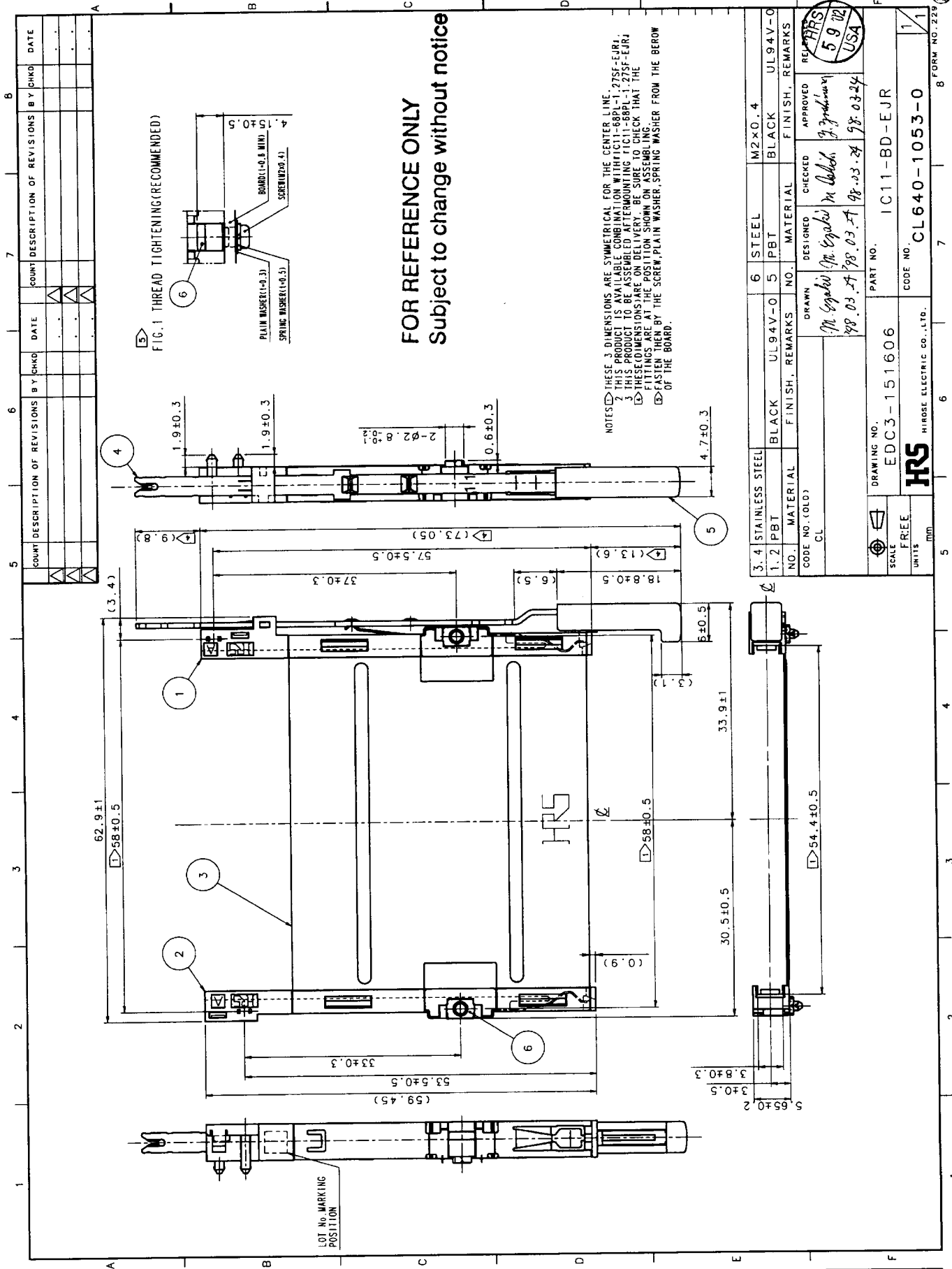
sales@integrated-circuit.com

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: $\phi 0.420 \pm 0.005$ mm						—	—
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 → 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.			○	—
REMARKS					DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
FOR REFERENCE ONLY Subject to change without notice Unless otherwise specified, refer to MIL-STD-202F.					M. Egaku 98.03.24	M. Egaku 98.03.24	M. Sakida 98.03.24	Y. Yoshimura 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.	○	—		
FOR REFERENCE ONLY Subject to change without notice						
REMARKS		DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
		M. Egaki 198.03.24	M. Egaki 198.03.24	M. Seki 98.03.24	J. Yoshimura 98.03.24	
Unless otherwise specified, refer to MIL-STD-202F. Note QT: Qualification Test AT: Assurance Test ○: Applicable Test						
HIROSE ELECTRIC CO., LTD.		SPECIFICATION SHEET		PART NO. IC11-BD-EJR		
CODE NO. (OLD) CL		DRAWING NO. ELC4-151606		PART NO. CL640-1053-0		2

FORM No.231-2



TO * (CS)

3. 4 STAINLESS STEEL		6 STEEL		M2x0.4		UL94V-0		BLACK		FINISH, REMARKS		APPROVED		DESIGNED		CHECKED		DRAWN		MATERIAL		NO.		FINISH, REMARKS		UL94V-0		BLACK		FINISH, REMARKS		APPROVED		DESIGNED		CHECKED		DRAWN		MATERIAL		NO.		FINISH, REMARKS		UL94V-0		BLACK		FINISH, REMARKS		APPROVED		DESIGNED		CHECKED		DRAWN		MATERIAL		NO.		FINISH, REMARKS		UL94V-0		BLACK		FINISH, REMARKS		APPROVED		DESIGNED		CHECKED		DRAWN		MATERIAL		NO.		FINISH, REMARKS		UL94V-0		BLACK		FINISH, REMARKS		APPROVED		DESIGNED		CHECKED		DRAWN		MATERIAL		NO.		FINISH, REMARKS		UL94V-0		BLACK		FINISH, REMARKS		APPROVED		DESIGNED		CHECKED		DRAWN		MATERIAL		NO.		FINISH, REMARKS		UL94V-0		BLACK		FINISH, REMARKS		APPROVED		DESIGNED		CHECKED		DRAWN		MATERIAL		NO.		FINISH, REMARKS		UL94V-0		BLACK		FINISH, REMARKS		APPROVED		DESIGNED		CHECKED		DRAWN		MATERIAL		NO.		FINISH, REMARKS		UL94V-0		BLACK		FINISH, REMARKS		APPROVED		DESIGNED		CHECKED		DRAWN		MATERIAL		NO.		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FINISH, REMARKS		UL94V-0		BLACK		FINISH, REMARKS		APPROVED		DESIGNED		CHECKED		DRAWN		MATERIAL		NO.		FINISH, REMARKS		UL94V-0		BLACK		FINISH, REMARKS		APPROVED		DESIGNED		CHECKED		DRAWN		MATERIAL		NO.		FINISH, REMARKS		UL94V-0		BLACK		FINISH, REMARKS		APPROVED		DESIGNED		CHECKED		DRAWN		MATERIAL		NO.		FINISH, REMARKS		UL94V-0	
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