

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
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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: $\phi 0.420 \pm 0.005 \text{mm}$		—	—		
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
		<i>M. Ezaki</i>	<i>M. Ezaki</i>	<i>M. Ezaki</i>	<i>M. Ezaki</i>	
Unless otherwise specified, refer to MIL-STD-202F.		98.11.04	98.11.04	98.11.04	98.11.04	
Note QT:Qualification Test AT:Assurance Test ○:Applicable Test						
HS HIROSE ELECTRIC CO., LTD.		SPECIFICATION SHEET		PART NO. IC11SA-BUR-FEJL		
CODE NO.(OLD) CL	DRAWING NO. ELC4-151877	PART NO. CL640-1062-1		1/2		

DRAWING FOR REFERENCE: This is subject to change without notice

08/11/2012

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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.	○	—		
REMARKS		DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
		<i>San. Sathirakorn</i> 98.11.04	<i>M. G. G. G. G.</i> 98.11.04	<i>M. Ishida</i> 98.11.04	<i>K. Ogata</i> 98.11.06	
Unless otherwise specified, refer to MIL-STD-202F.						
Note QT: Qualification Test AT: Assurance Test ○: Applicable Test						
HRS HIROSE ELECTRIC CO., LTD.		SPECIFICATION SHEET		PART NO. IC11SA-BUR-FEJL		
CODE NO. (OLD) CL	DRAWING NO. ELC4-151877	PART NO. CL 640-1062-1			2	