



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



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
	<p align="center">FOR REFERENCE ONLY Subject to change without notice</p> <p>Unless otherwise specified, refer to MIL-STD-202F.</p> <p>Note QT:Qualification Test AT:Assurance Test ○:Applicable Test</p>				
	<i>M. Egawa</i>	<i>M. Egawa</i>	<i>M. Sakida</i>	<i>T. Yoshimura</i>	
	198.03.24	198.03.24	98.03.24	98.03.24	


TO
PCM

CISA

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

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. Eguchi</i>	<i>M. Eguchi</i>	<i>M. Sakai</i>	<i>J. 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
--------------------------------------	---------------------	-------------------------

CODE NO.(OLD) CL	DRAWING NO. ELC4-151606	PART NO. CL640-1053-0	2
---------------------	----------------------------	--------------------------	---



COUNT DESCRIPTION OF REVISIONS		BY	CHKD	DATE	COUNT DESCRIPTION OF REVISIONS		BY	CHKD	DATE

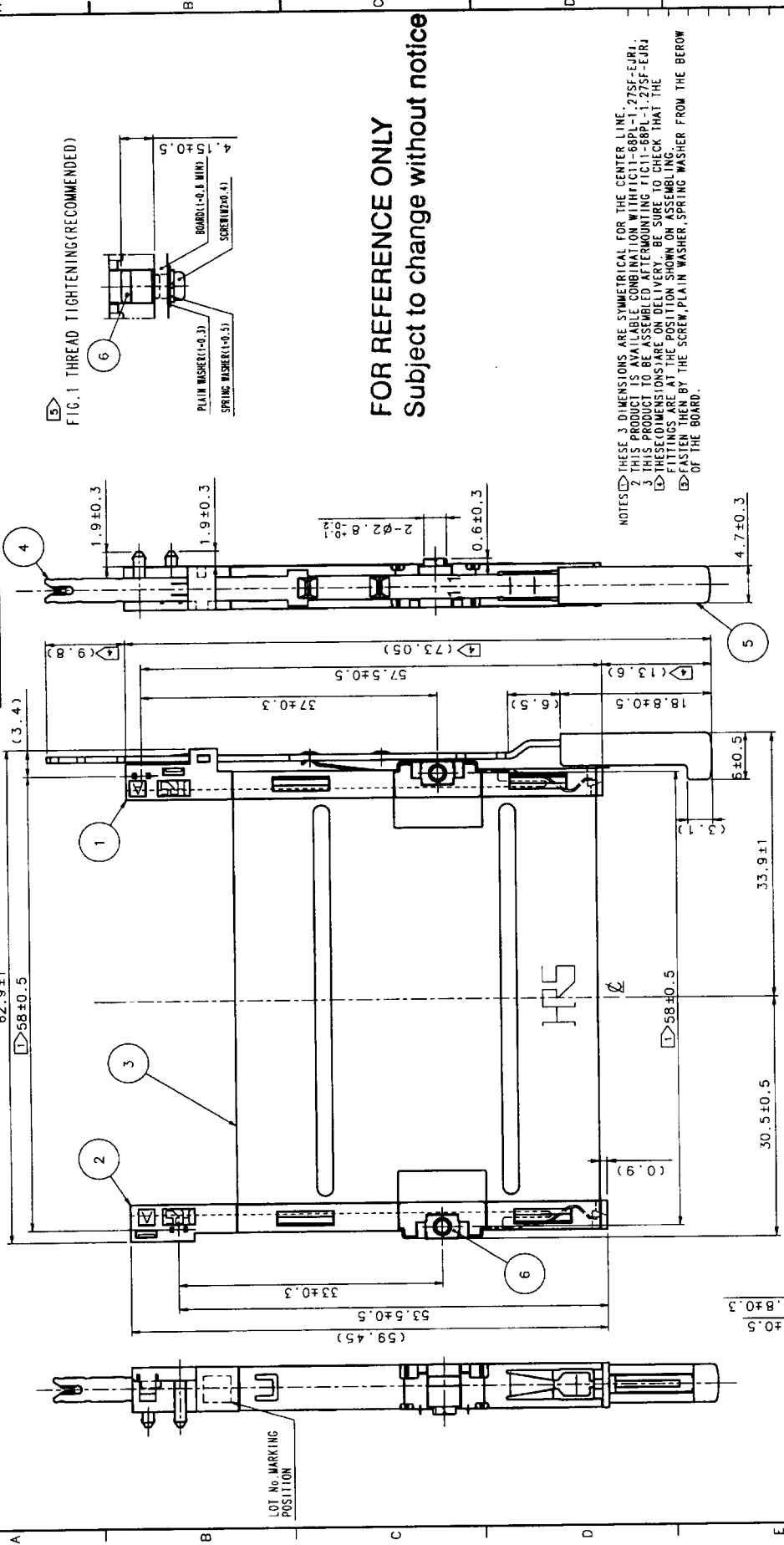


FIG. 1 THREAD TIGHTENING (RECOMMENDED)

FOR REFERENCE ONLY
Subject to change without notice

NOTES: THESE 3 DIMENSIONS ARE SYMMETRICAL FOR THE CENTER LINE.
 2 THIS PRODUCT IS AVAILABLE COMBINATION WITH IC11-68PL-1, 27SF-EJR1.
 3 THIS PRODUCT TO BE ASSEMBLED AFTER MOUNTING IC11-68PL-1, 27SF-EJR1.
 4 THESE DIMENSIONS ARE ON DELIVERY. BE SURE TO CHECK THAT THE FITTINGS ARE AT THE POSITION SHOWN ON ASSEMBLING.
 5 FASTEN THEN BY THE SCREW, PLAIN WASHER, SPRING WASHER FROM THE BELOW OF THE BOARD.

NO.	MATERIAL	FINISH, REMARKS	NO.	MATERIAL	CHECKED	DESIGNED	APPROVED	REMARKS
3. 4	STAINLESS STEEL	BLACK	6	STEEL	M2 x 0.4			
1. 2	PBT	BLACK	5	PBT	BLACK			UL94V-0

SCALE: FREE UNITS: mm

DRAWING NO.: EDC3-151606

PART NO.: IC11-BD-EJR

CODE NO.: CL640-1053-0

FORM NO. 229

TO

*

USA

HRS HIROSE ELECTRIC CO., LTD.

5902 USA