



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

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DRAWING FOR REFERENCE: This is subject to change without notice

In cases where the application will demand a high level of reliability, such as automotive, please contact a company representative for further information.

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

<b>APPLICABLE STANDARD</b>		<b>SPECIFICATIONS</b>	
OPERATING TEMPERATURE RANGE	-10 °C TO +70 °C	STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C
VOLTAGE	AC 150 V, DC 200 V		
CURRENT	5 A	APPLICABLE CABLE	φ4±0.2

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
<b>CONSTRUCTION</b>				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	X	X
MARKING	CONFIGURED VISUALLY.		X	X

<b>ELECTRIC CHARACTERISTICS</b>				
CONTACT RESISTANCE	CONTACT SHALL BE MEASURED AT DC	1 A	5 mΩ MAX.	X
	CONTACT SHALL BE MEASURED AT DC	- A	mΩ MAX.	X
INSULATION RESISTANCE	500 V DC.		1000 MΩ MIN.	X
VOLTAGE PROOF	500 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.	X

<b>MECHANICAL CHARACTERISTICS</b>				
CONTACT INSERTION AND WITHDRAWAL FORCES	φ1.47 <sup>+0.003</sup> <sub>0</sub>	BY STEEL GAUGE.	INSERTION AND WITHDRAWAL FORCES : 0.2 N MIN	X
	φ1.53 <sup>0</sup> <sub>-0.003</sub>	BY STEEL GAUGE	INSERTION AND WITHDRAWAL FORCES : 4 N MAX	X

CONNECTOR INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION AND WITHDRAWAL FORCES : LOCKING DEVICE WITH UNLOCK : - N MAX LOCKING DEVICE WITH LOCK : 10 ~ 40 N.	X	—
MECHANICAL OPERATION	500 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE : 10 mΩ MAX.	X	—
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm. — m/s <sup>2</sup> AT 2 h, FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
SHOCK	490 M/S <sup>2</sup> DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTION	① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—

<b>ENVIRONMENTAL CHARACTERISTICS</b>				
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 °C, 90 TO 95 %, 96 h.	① INSULATION RESISTANCE: 10 MΩ MIN (AT HIGH HUMIDITY). ② INSULATION RESISTANCE: 100 MΩ MIN (AT DRY). ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → R/T → +65 → R/T °C TIME 30 → 10 TO 15 → 30 → 10 TO 15 min UNDER 5 CYCLES. ( R/T : ROOM TEMPERATURE )	① INSULATION RESISTANCE: 100 MΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	NO HEAVY CORROSION.	X	—
DRY HEAT	EXPOSED AT + 65 °C, 96 h.	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
COLD	EXPOSED AT - 55 °C, 96 h.	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
RESISTANCE TO SOLDERING HEAT (FLOW SOLDERING)	SOLDER TEMPERATURE, +350±10°C, FOR IMMERSION, DURATION, 5s.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	X	—
SOLDERABILITY	SOLDER TEMPERATURE, +350±10°C, FOR IMMERSION, DURATION, 3 s.	WETTING ON SOLDER SURFACE. NO SOLDER CLUSTER.	X	—

<b>REMARKS</b>				
Unless otherwise specified, refer to JIS C 5042.				
Note QT:Qualification Test AT:Assurance Test O:Applicable Test				
DRAWN		DESIGNED		
CHECKED		APPROVED		
RELEASED				

HIRS	HIRS ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO.
CL	ELC4-006786-71	CL113-0015-2-71	RPC2-12P-7S(71)

CODE NO. (OLD)	DRAWING NO.	CODE NO.
CL	ELC4-006786-71	CL113-0015-2-71

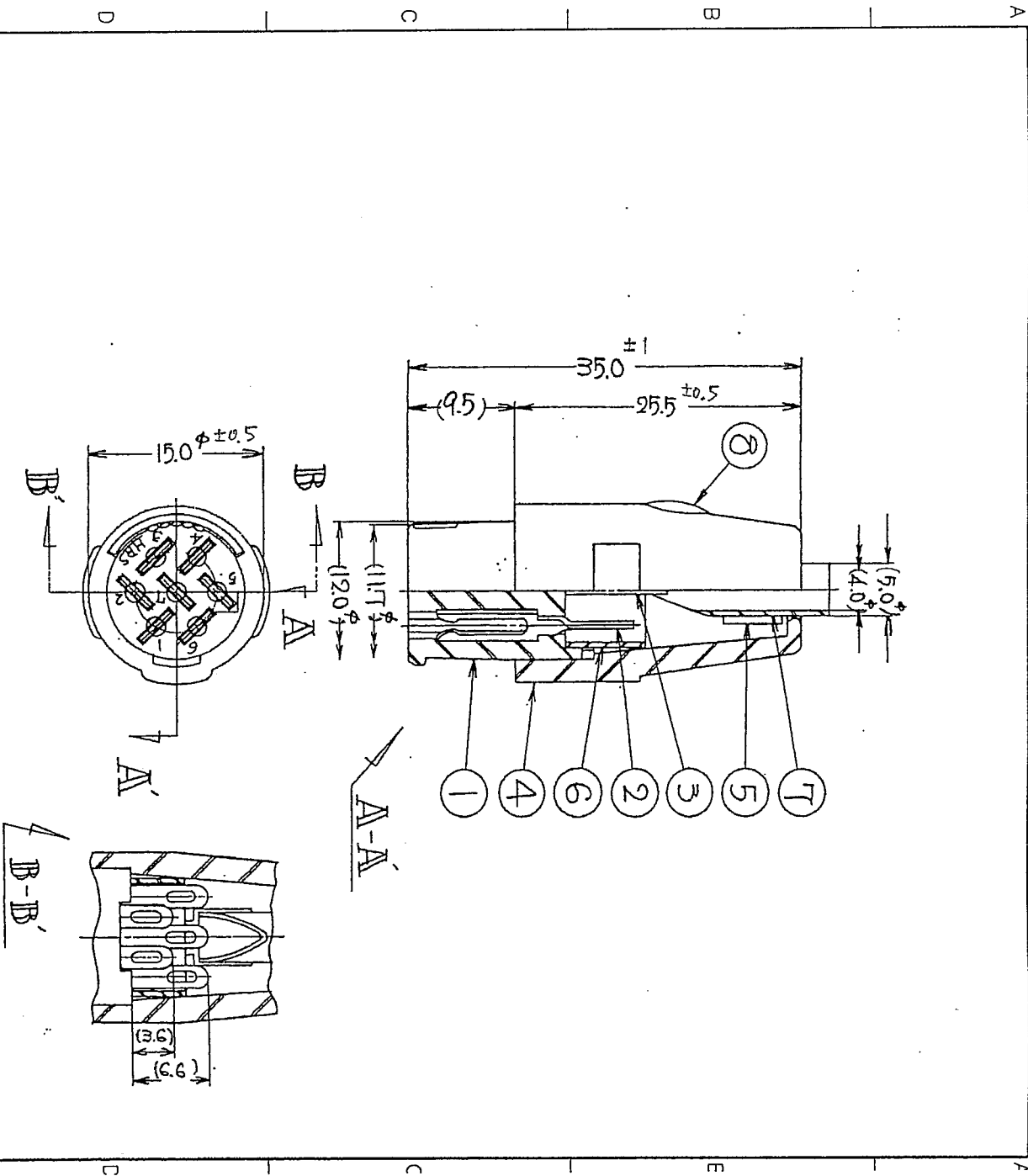
RoHS2(10 substances conformity)

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4	POLYAMIDE (BLUE)	8	BRASS	NICKEL PLATING
3	PHOSPHOR BRONZE	7	POLYVINYLCHLORIDE	TRANSPARENCY
2	PHOSPHOR BRONZE	6	POLYVINYLCHLORIDE	TRANSPARENCY
1	POLYAMIDE (BLUE)	5	BRASS	NICKEL PLATING

NO.	MATERIAL	FINISH, REMARKS	NO.	MATERIAL	FINISH, REMARKS
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DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
E. Yamino	E. Yamino	H. Zembba	M. Sato	
05.09.26	05.09.26	05.09.27	05.09.28	

	DRAWING NO. EDC4-006786-71	PART NO. RPC2-12P-7S (71)
SCALE 2 : 1	CODE NO. CL113-0015-2-71	CODE NO. CL113-0015-2-71
UNITS mm	HRS HIROSE ELECTRIC CO., LTD.	1 / 1