



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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COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△					△				
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APPLICABLE STANDARD		Note 1: -30 °C TO 105 °C		STORAGE TEMPERATURE RANGE		-40 °C TO 105 °C	
RATING	OPERATING TEMPERATURE RANGE	1 A		Voltage	250 V AC		

### SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
<b>CONSTRUCTION</b>				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	○	○
MARKING	CONFIRMED VISUALLY.		○	○
<b>ELECTRIC CHARACTERISTICS</b>				
CONTACT RESISTANCE	1 A DC.	30 mΩ MAX.	○	-
CONTACT RESISTANCE	20 mV AC MAX, 0.1 mA(DC OR 1000 Hz).	30 mΩ MAX.	○	-
MILLIVOLT LEVEL METHOD				
INSULATION RESISTANCE	500 V DC.	100 MΩ MIN.	○	-
VOLTAGE PROOF	650 V AC, 1 min.	NO FLASHOVER OR BREAKDOWN.	○	-
<b>MECHANICAL CHARACTERISTICS</b>				
CONTACT INSERTION AND EXTRACTION FORCES	BY STEEL GAUGE, 4.6.	INSERTION FORCE 14.7 N MAX. EXTRACTION FORCE 4.9 N MIN.	○	-
MECHANICAL OPERATION	30 TIMES INSERTION AND EXTRACTIONS.	① CONTACT RESISTANCE: 60 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	○	-
VIBRATION	FREQUENCY 20 TO 200 Hz, ACCELERATION 43.1 m/s <sup>2</sup> FOR 3 h AT 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 10 μs OR MORE, ② CONTACT RESISTANCE: 60 mΩ MAX. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	○	-
SHOCK	FREQUENCY 20 TO 50 Hz, 66.6 m/s <sup>2</sup> FOR 1 h.	① FULL INSERTED DURING APPLYING FORCE. ② NO DEFECT AT CONNECTION PORTION AFTER APPLYING FORCE.	○	-
LOCK STRENGTH	PULL FORCE OF 98 N MAX WAS APPLIED AXIALLY.		○	-
<b>ENVIRONMENTAL CHARACTERISTICS</b>				
DAMP HEAT (STEADY STATE)	EXPOSED AT 60 °C, 90 TO 95 %, 500 h.	① CONTACT RESISTANCE: 60 mΩ MAX. ② INSULATION RESISTANCE: 100 MΩ MIN. ③ NO BREAKAGE, CRACK OR LOOSENESS OF PART.	○	-
RAPID CHANGE OF TEMPERATURE	TEMP -40°C → AMBIENT TEMP → 85 °C → TIME 30 → 5 → 30 min TEMP AMBIENT TIME 5 min UNDER 1000 CYCLES.	① CONTACT RESISTANCE: 60 mΩ MAX. ② INSULATION RESISTANCE: 100 MΩ MIN ③ NO BREAKAGE, CRACK OR LOOSENESS OF PART.	○	-
DRY HEAT	EXPOSED AT 105 °C, 300 h.	① CONTACT RESISTANCE: 60 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	○	-
COLD	EXPOSED AT -55 °C, 120 h.	① CONTACT RESISTANCE: 60 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	○	-
SALT MIST	IMMERSED IN 5 % SALT WATER, 96 h.	① CONTACT RESISTANCE: 60 mΩ MAX. ② NO EXCESSIVE CORROSION.	○	-
HYDROGEN SULPHIDE	EXPOSED IN 500 ppm, 8 h.	① CONTACT RESISTANCE: 60 mΩ MAX. ② NO EXCESSIVE CORROSION.	○	-
SOLDERING HEAT	SOLDER TEMPERATURE 260 °C FOR 10 sec.	① NO VISUAL DEFORMATION OR LOOSENESS OF CONTACT.	-	-

REMARKS  
Notes 1: Included temperature rise by current carrying.  
2: Applicable board: 1.6 ±0.2.

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Note QT:Qualification Test AT:Assurance Test ○:Applicable Test

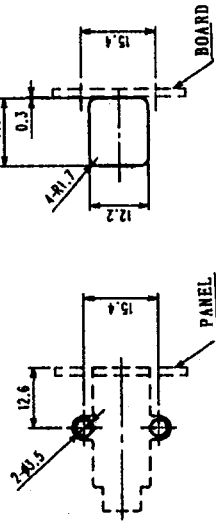
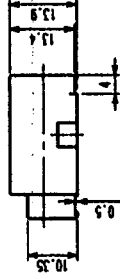
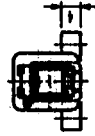
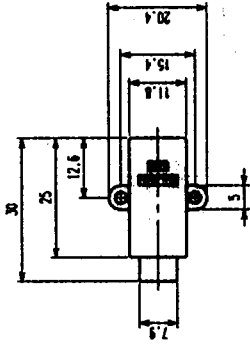
**HRS** HIROSE ELECTRIC CO., LTD. **SPECIFICATION SHEET** PART NO. GT5-1PB-HU

CODE NO.(OLD) CL559-0112-9 DRAWING NO. SLC4-165635 PART NO. CL755-0089-0 1/1

FOR REFERENCE ONLY  
Subject to change without notice

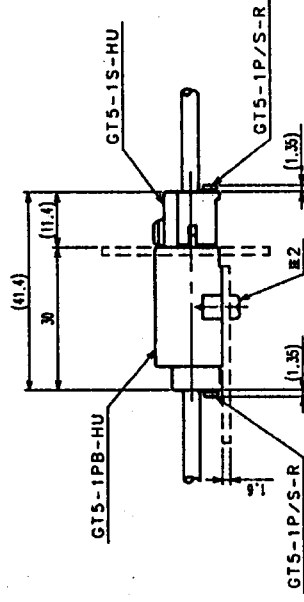
TO





RECOMMENDED PC BOARD HOLE PATTERN

RECOMMENDED PANEL CUTOUT



MATED CONNECTORS

**FOR REFERENCE ONLY**  
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NOTE 1) THIS PRODUCT SHOULD BE USED IN COMBINATION WITH THE RETAINER (GT5-1P/S-R, CL755-0006-2) WHICH IS SOLD SEPARATELY.

2) USE CLASS 1 OR 4 OF JIS1115 OR 1122 MOUNTING SCREWS, DIAMETER 3.

訂正記号 COUNT	訂正記号 DESCRIPTION	年月日 DATE	訂正記号 COUNT	訂正記号 DESCRIPTION	年月日 DATE

TO	
PCK	

NO.	MATERIAL	FINISH	REMARKS	NO.	MATERIAL	FINISH	REMARKS
1	PBT			1	PBT		UL94HB, LIGHT GRAY

14/7/01							
日製コード CODE NO. (OLD)				日製コード CODE NO.			