



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



TO

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△									
△									
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APPLICABLE STANDARD									
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SPECIFICATIONS

RATING	VOLTAGE	5V AC	STORAGE TEMPERATURE RANGE	-40°C TO 85°C
CURRENT	1A	OPERATING HUMIDITY RANGE	-% TO -%	
		APPLICABLE CABLE	USB CABLE	

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
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GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	○	○
MARKING	CONFIRMED VISUALLY.		○	○

ELECTRIC CHARACTERISTICS

CONTACT RESISTANCE	100 mA (DC OR 1000 HZ).		○	○
CONTACT RESISTANCE	20 mV MAX, 100 mA(DC OR 1000 HZ).	50 mΩ MAX.	○	○
MILLIVOLT LEVEL METHOD.			○	○
INSULATION RESISTANCE	100 V DC	100 MΩ MIN.	○	○
VOLTAGE PROOF	100 V AC FOR 1min.	NO FLASHOVER OR BREAKDOWN	○	○
CAPASITANCE	MEASURE ADJACENT TWO CONTACTS AT 1000±10HZ AC VOLTAGE.	2 pF MAX	○	○

MECHANICAL CHARACTERISTICS

INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE 35 N MAX. EXTRACTION FORCE 7 N MIN.	○	○
MECHANICAL OPERATION	5000 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 70 mΩ MAX. ② EXTRACTION FORCE 3 N MIN. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	○	○
VIBRATION	FREQUENCY 10 TO 55 HZ, SINGLE AMPLITUDE 0.75 mm AT 2 h, FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	○	○
RANDOM VIBRATION	FREQUENCY 50 TO 2000 HZ, AT 15 min, FOR 3 DIRECTIONS.	② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	○	○
SHOCK	490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3TIMES FOR 6 DIRECTION, HALF SINE WAVE.		○	○

ENVIRONMENTAL CHARACTERISTICS

THERMAL SHOCK	TEMPERATURE -55 → 20~35 → 85 → 20~35 °C TIME 30 → 2~3 → 30 → 2~3 min UNDER 10 CYCLES,	① CONTACT RESISTANCE: 70 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	○	○
HUMIDITY LIFE	TEMPERATURE -10~65 °C, HUMIDITY 90 TO 98 %, UNDER 7 CYCLES (168 h)	① INSULATION RESISTANCE: 10 MΩ MIN (AT DRY) ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	○	○
CORROSION SALT MIST	EXPOSED IN 5% SALT WATER SPRAY FOR 48 h. (JIS C 5402)	① CONTACT RESISTANCE: 70 mΩ MAX. NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	○	○

REMARKS

UNLESS OTHERWISE SPECIFIED, REFER TO USB2.0 EIA364.	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
	<i>M. Kenya</i>	<i>M. Kenya</i>	<i>Shigeo</i>	<i>Shigeo</i>	
	01.10.10	01.10.10	01.10.10	01.10.10	

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

HRS HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO.	UX40-MB-5P
CODE NO.(OLD)	DRAWING NO.	CODE NO.	
	ELC4-123212	CL240-0004-7	
			1/1

