



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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TO

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

APPLICABLE STANDARD		STORAGE TEMPERATURE RANGE	-40°C TO 85°C
OPERATING TEMPERATURE RANGE	-30°C TO 75°C	OPERATING HUMIDITY RANGE	-% TO -%
RATING VOLTAGE	5V AC	APPLICABLE CABLE	USB CABLE
CURRENT	1A		

ITEM	TEST METHOD	REQUIREMENTS	Q/T	A/T
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CONSTRUCTION				
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 MILLIVOLT LEVEL METHOD.	20 mV MAX, 100 mA(DC OR 1000 Hz).	50 mΩ MAX.		
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.			
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		DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
		<i>M. Kenigs</i>	<i>M. Kenigs</i>	<i>[Signature]</i>	<i>[Signature]</i>	
		01.12.18	01.12.18	01.12.18	01.12.25	

Unless otherwise specified, refer to USB2.0 EIA364.

Note Q1:Qualification Test AT:Assurance Test ○:Applicable Test

HRS HIROSE ELECTRIC CO., LTD.	SPECIFICATION SHEET	PART NO.	UX40A-MB-5P
CODE NO.(OLD)	DRAWING NO.	CODE NO.	
	ELC4-123440	CL240-0005-0	