

	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE		COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△						△					
△						△					
APPLICABLE STANDARD											
RATING	OPERATING TEMPERATURE RANGE		-30°C TO 75°C			STORAGE TEMPERATURE RANGE		-40°C TO 85°C			
	VOLTAGE		5V AC			OPERATING HUMIDITY RANGE		- % TO - %			
	CURRENT		1A			APPLICABLE CABLE		USB CABLE			
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		100 mA (DC OR 1000 Hz).				50 mΩ MAX.				○	○
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD.		20 mV MAX, 100 mA(DC OR 1000 Hz).								○	-
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	
Unless otherwise specified, refer to USB2.0 EIA364.						M. Kenjo '01.10.10	M. Kenjo '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. ELC4-123212			CODE NO. CL240-0004-7			1/1		