

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
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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									
Unless otherwise specified, refer to USB2.0 EIA364.				DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED	
				M. Kenjo '01.10.10	M. Kenjo '01.10.10	<i>[Signature]</i> '01.10.10	<i>[Signature]</i> '01.10.10		
Note QT:Qualification Test AT:Assurance Test ○:Applicable Test									
HS HIROSE ELECTRIC CO., LTD.				SPECIFICATION SHEET			PART NO. UX40-MB-5P		
CODE NO.(OLD)		DRAWING NO.		CODE NO.		1/1			
		ELC4-123212		CL240-0004-7					