

APPLICABLE STANDARD		USB2.0 SPECIFICATION				
Rating	Operating Temperature Range	-30°C to +75°C		Storage Temperature Range	-40°C to +85°C	
	Voltage	 30 V AC		Current	1 A	
SPECIFICATIONS						
ITEM		TEST METHOD		REQUIREMENTS		QT AT
CONSTRUCTION						
General Examination		Examined visually and with a measuring instrument.		Accoding to drawing.		X X
Marking		Confirmed visually.				X X
ELECTRICAL CHARACTERISTICS						
Contact Resistance		100 mA (DC or 1000 Hz).		50 mΩ max.		X X
Contact Resistance Millivolt Level Method		20 mV max, 100 mA(DC or 1000 Hz).				X —
Insulation Resistance		100 V DC		100 MΩ min.		X X
Voltage Proof		100 V AC for 1min.		No flashover or breakdown.		X X
Capacitance		Measured adjacent two contacts, At 1000±10Hz AC voltage.		2 pF max.		X —
MECHANICAL CHARACTERISTICS						
Insertion And Withdrawal Forces		Measured by applicable connector.		1) Insertion force 35 N max. 2) Extracion force 7 N min.		X —
Mechanical Operation		5000 times insertions and extractions.		1) Contact resistance: 70 mΩ max. 2) Extraction force 3 N min. 3) No damage, cracks or looseness of parts.		X —
Vibration		Frequency 10 to 55 Hz, Single amplitude 0.75 mm, At 2 h, for 3 directions.		1) No electrical discontinuity of 1μs. 2) No damage, cracks or looseness of parts.		X —
Random Vibration		Frequency 50 to 2000 Hz, At 15 min, for 3 directions.				X —
Shock		490 m/s ² duration of pulse 11 ms At 3times in 3 both axial directions.				X —
ENVIRONMENTAL CHARACTERISTICS						
Thermal Shock		Temperature -55→ 20 to 35→ 85→ 20 to 35 °C Time 30 → 2 to 3 → 30 → 2 to 3 min Under 10 cycles.		1) Contact resistance : 70 mΩ max. 2) No damage, cracks or looseness of parts.		X —
Humidity Life		Temperature -10 to 65 °C, Humidity 90 to 98 %, Under 7 cycles (168 h)		1) Insulation resistance : 10 MΩ min (at dry). 2) No damage, cracks or looseness of parts.		X —
Corrosion Salt Mist		Exposed in 5% salt water spray for 48 h. (JIS C 5402)		1) Contact resistance : 70 mΩ max. 2) No heavy corsion.		X —
	COUNT	DESCRIPTION OF REVISIONS		DESIGNED		CHECKED
	1	DIS-E-00017496		KH. KUZUMAKI		KG. OKITA
REMARK				APPROVED	AO. SUZUKI	20050105
				CHECKED	MR. NAKAMURA	20050105
				DESIGNED	HK. TANAKA	20050105
				DRAWN	HK. TANAKA	20050105
Unless otherwise specified, refer to USB2.0 EIA364.						
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC4-123212-00
	SPECIFICATION SHEET			PART NO.		UX40-MB-5P
	HIROSE ELECTRIC CO., LTD.			CODE NO.		CL0240-0004-7-00  1/1