

APPLICABLE STANDARD		USB2.0 SPECIFICATION			
Rating	Operating Temperature Range	-30°C to +75°C		Storage Temperature Range	-40°C to +85°C
	Voltage	1 30 V AC		Current	1 A
SPECIFICATIONS					
ITEM		TEST METHOD		REQUIREMENTS	
QT		AT			
CONSTRUCTION					
General Examination		Examined visually and with a measuring instrument.		Accodging to drawing.	
Marking		Confirmed visually.			
				X	X
ELECTRICAL 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.	
Capacitance		Measured adjacent two contacts, At 1000±10Hz AC voltage.		2 pF max.	
MECHANICAL CHARACTERISTICS					
Insertion And Withdrawal Forces		Measured by applicable connector.		1) Insertion force 35 N max. 2) Extracion 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, cracks or 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 1μs. 2) No damage, cracks or looseness of parts.	
Random Vibration		Frequency 50 to 2000 Hz, At 15 min, for 3 directions.			
Shock		490 m/s² duration of pulse 11 ms At 3times in 3 both axial directions.			
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.	
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.	
Corrosion Salt Mist		Exposed in 5% salt water spray for 48 h. (JIS C 5402)		1) Contact resistance : 70 mΩ max. 2) No heavy corrsion.	