APPLICAB			USB2.0 SPECIFICATION							
Operating T Range		erature	-30°C to +75°C		Storage Tem Range	erature		-40°C to +85°C		
Rating	Voltage		1 30 V AC		Cu	rrent	ent		1 A	
			SPECI	IFICAT	TIONS		!			
ITEM		TEST METHOD				REQUIREMENTS			QT	AT
CONSTRU	JCTION				I					
General Examination		Examined visually and with a measuring instrument.				Accoding to drawing.				Х
Marking		Confirmed visually.							Х	Х
ELECTRICAL CHAI		RACTERISTICS								
Contact Resistance		100 mA (DC or 1000 Hz).			50 mΩ	50 m $Ω$ max.				Х
Contact Resistance Millivolt Level Method		20 mV max, 100 mA(DC or 1000 Hz).				-				_
Insulation Resistance		100 V DC				100 MΩ min.				Х
Voltage Proof		100 V AC for 1min.				No flashover or breakdown.				Х
Capacitance		Measured adjacent two contacts,			2 pF m	2 pF max.				
MECHANI			10Hz AC voltage.							
Insertion And Wit			by applicable connector.		1) Inse	rtion force	35	N max.	X	T
Forces					2) Extra	2) Extracion force 7 N min.				-
Mechanical Operation		5000 times insertions and extractions.			2) Extra	1) Contact resistance: 70 mΩ max. 2) Extraction force 3 N min.				-
Vibration		Frequency 10 to 55 Hz,				3) No damage, cracks or looseness of parts.  1) No electrical discontinuity of 1µs.				-
		Single amplitude 0.75 mm, At 2 h, for 3 directions.				2) No damage, cracks or looseness of parts.				_
Random Vibration		Frequency 50 to 2000 Hz, At 15 min, for 3 directions.							Х	_
Shock		490 m/s <sup>2</sup> duration of pulse 11 ms At 3times in 3 both axial directions.								_
FNVIRONI	MENTAL		ACTERISTICS							
Thermal Shock Humidity Life		Temperature –55→ 20 to 35→ 85→ 20 to 35 °C				tact resistan	ce : 7	'0 mΩ max.	Х	T
		Time $30 \rightarrow 2 \text{ to } 3 \rightarrow 30 \rightarrow 2 \text{ to } 3 \text{ min}$ Under 10 cycles.			2) No c	2) No damage, cracks or looseness of parts.				_
		Temperature -10 to 65 °C, Humidity 90 to 98 %,				<ol> <li>Insulation resistance: 10 MΩ min (at dry).</li> <li>No damage, cracks or looseness of parts.</li> </ol>				_
		Under 7 cycles (168 h)								-
Corrosion Salt Mist		Exposed in 5% salt water spray for 48 h. (JIS C 5402)				<ol> <li>Contact resistance: 70 mΩ max.</li> <li>No heavy corrsion.</li> </ol>				_
COUNT	DE	SCRIPTI	SCRIPTION OF REVISIONS		DESIGNED	CHECKED		CHECKED	DA	ATE
1		DIS-	E-00017496		H. KUZUMAKI	AKI		KG. OKITA	202411	
REMARK						APPROVED		AO. SUZUKI	2005	50105
						CHECK	ED	MR. NAKAMURA	2005	50105
						DESIGN	ED	HK. TANAKA	2005010	
Unless othe	rwise spec	ified, refer to USB2.0 EIA364.				DRAWN		HK. TANAKA	NAKA 200501	
Note QT:Qua	alification Tes	t AT:Assurance Test X:Applicable Test		est	DRAWII	IG NO.		ELC4-123440-00		
HS.	SPECIFICATION SHEET			F	PART NO.	).		UX40A-MB-5P		
	HIROSE ELECTRIC CO., LTD.			c	ODE NO.	CLC	CL0240-0005-0-00			