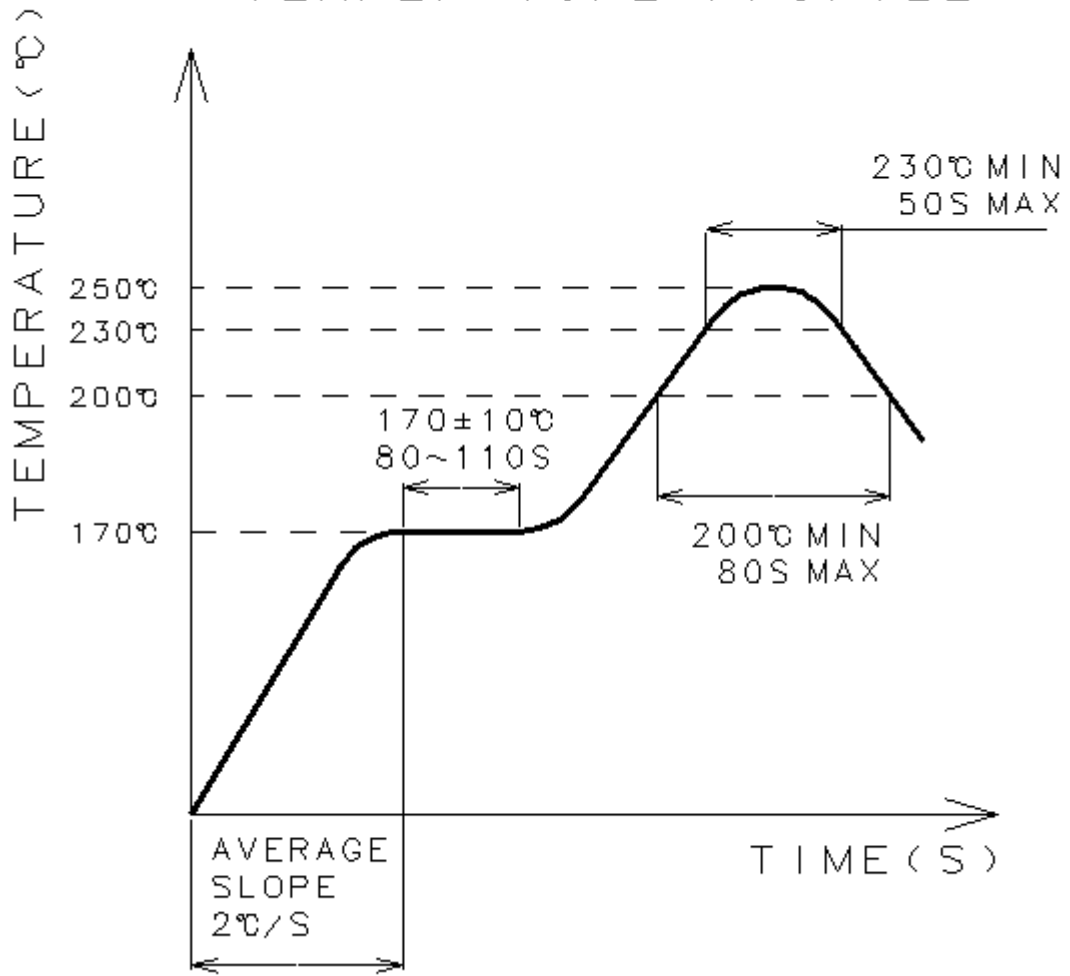


APPLICABLE STANDARD		USB2.0 SPECIFICATION			
RATING	OPERATING TEMPERATURE RANGE	-30°C TO +75°C	STORAGE TEMPERATURE RANGE	① -40°C TO +60°C	
	VOLTAGE	30 V AC	CURRENT	1A	
<b>SPECIFICATIONS</b>					
ITEM	TEST METHOD	REQUIREMENTS	QT	AT	
<b>CONSTRUCTION</b>					
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	X	X	
MARKING	CONFIRMED VISUALLY.		X	X	
<b>ELECTRICAL CHARACTERISTICS</b>					
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	
CAPASITANCE	MEASURE ADJACENT TWO CONTACTS AT 1000±10Hz AC VOLTAGE.	2 pF MAX	X	—	
<b>MECHANICAL CHARACTERISTICS</b>					
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE 35 N MAX. EXTRACTION FORCE 7 N MIN.	X	—	
MECHANICAL OPERATION	5000 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 70 mΩ MAX. ② EXTRACTION FORCE 4 N MIN. ③ NO DAMAGE, CRACK AND 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 1 μs. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	X	—	
RANDOM VIBRATION	FREQUENCY 50 TO 2000 Hz, AT 15 min, FOR 3 DIRECTIONS.		X	—	
SHOCK	490 m/s <sup>2</sup> DIRECTIONS OF PULSE 11 ms AT 3TIMES FOR 6 DIRECTIONS. HALF SINE WAVE		X	—	
<b>ENVIRONMENTAL CHARACTERISTICS</b>					
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.	X	—	
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.	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 CORROSION.	X	—	
SOLDERABILITY	SOLDERED AT TEMP.245°C FOR IN IMMERSION,DURATION,2~3 S.	SOLDER SHALL COVER A MINIMUM OF 95% OF THE SURFACE BEING IMMersed.	X	—	
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
REMARK	① STORAGE TEMPERATURE RANGE SHOWS STORAGE CONDITION FOR UNUSED PRODUCTS INCLUDING PACKING MATERIALS. FOLLOW THE OPERATING TEMPERATURE RANGE FOR STORAGE CONDITION AFTER MOUNTING. Unless otherwise specified, refer to USB2.0 EIA364.		APPROVED	NM. NISHIMATSU	15. 05. 18
			CHECKED	NM. NISHIMATSU	15. 05. 18
			DESIGNED	MO. SHIMOYAMA	15. 05. 18
			DRAWN	MO. SHIMOYAMA	15. 05. 18
Note	QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.	ELC-125646-84-00	
<b>HRS</b>	SPECIFICATION SHEET		PART NO.	UX60SC-MB-5ST (84)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL240-0016-6-84	① 1/2

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 In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

**SPECIFICATIONS**

RECOMENDED REFLOW  
 TEMPERATURE PROFILE



Note QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.	ELC-125646-84-00		
<b>HRS</b>	SPECIFICATION SHEET		PART NO.	UX60SC-MB-5ST (84)	
	HIROSE ELECTRIC CO., LTD.		CODE NO	CL240-0016-6-84	△ 2/2