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

<b>APPLICABLE STANDARD</b>		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	1A

**SPECIFICATIONS**

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
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<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 3 N MIN. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	X	—
VIBRATION	FREQUENCY 10 TO 55 Hz, AMPLITUDE 0.75 mm AT 2 h, FOR 3 DIRECTIONS. SINGLE	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/s2 DIRECTIONS OF PULSE 11 ms AT 3TIMES FOR 6 DIRECTION. 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
0				

REMARK	APPROVED	NF. MIYAZAKI	09.02.25
	CHECKED	NF. MIYAZAKI	09.02.25
	DESIGNED	HS. KIKUCHI	09.02.25
	DRAWN	HS. KIKUCHI	09.02.25

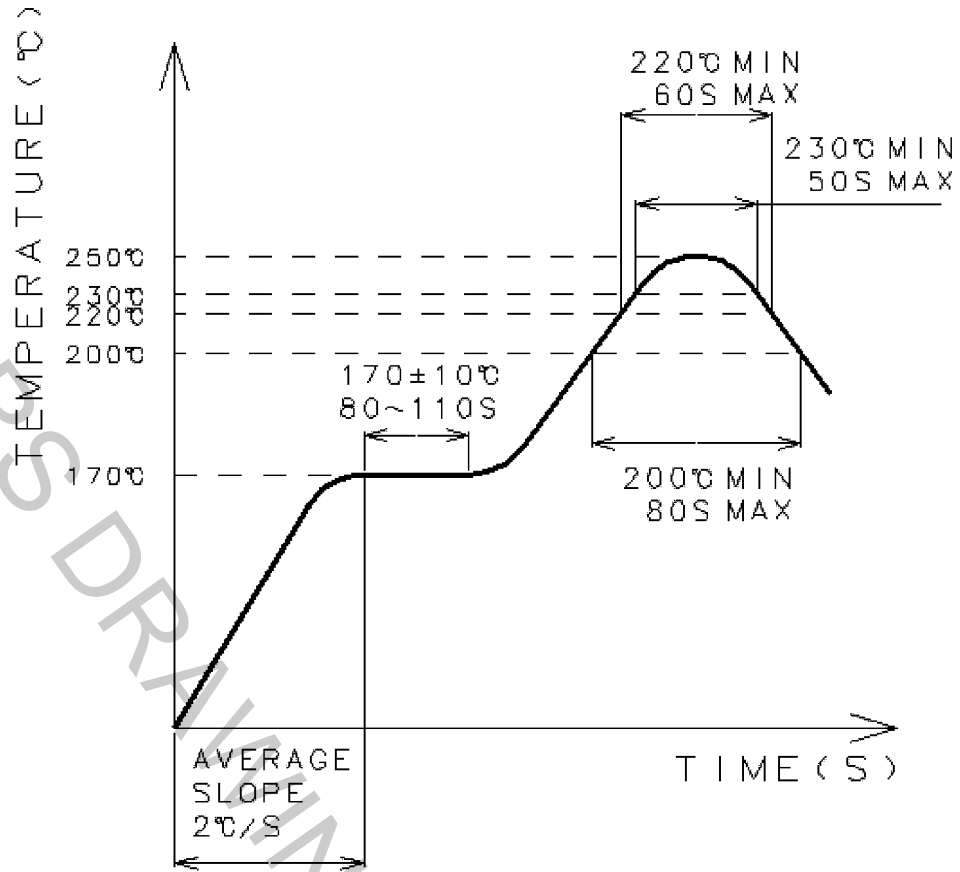
Unless otherwise specified, refer to USB2.0 EIA364.

Note QT:Qualification Test AT:Assurance Test X:Applicable Test	DRAWING NO.	ELC4-126060-01
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<b>HRS</b>	SPECIFICATION SHEET	PART NO.	UX60SC-MB-5S8 (80)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL240-0020-3-80	△ 1/2

SPECIFICATIONS

RECOMENDED REFLOW TEMPERATURE PROFILE



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	HIROSE ELECTRIC CO., LTD.	CODE NO	CL240-0020-3-80
			△ 2/2