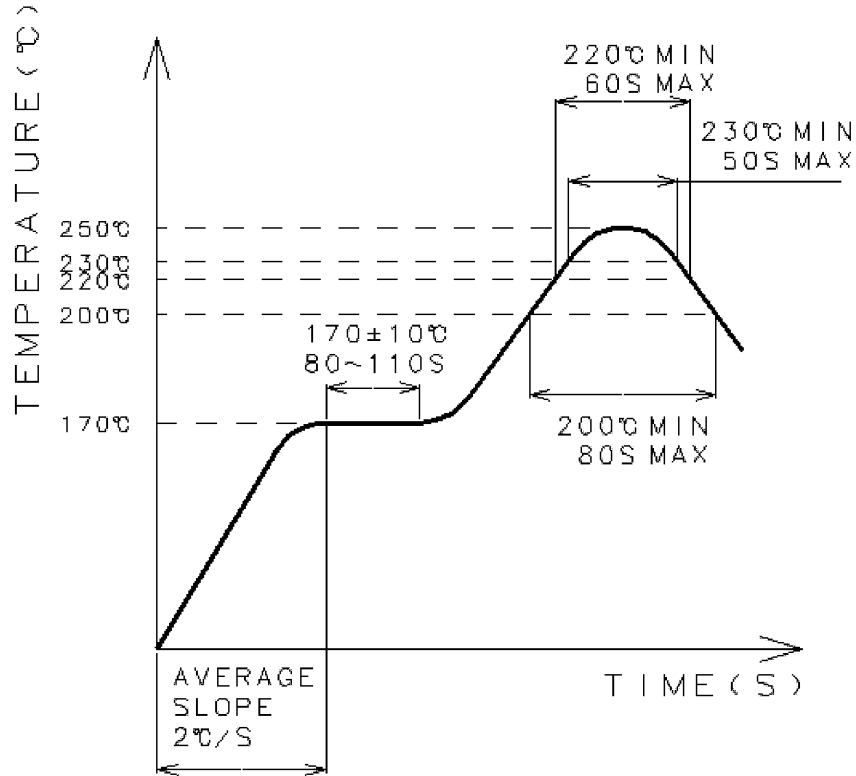


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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

APPLICABLE STANDARD		USB 2.0 SPECIFICATION				
RATING	OPERATING TEMPERATURE RANGE	-30°C TO +75°C		STORAGE TEMPERATURE RANGE	-40°C TO +85°C	
	VOLTAGE	5V 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		20mV ,100 mA (DC OR 1000 Hz).			X	—
INSULATION RESISTANCE		100 V DC.		100 MΩ MIN.	X	X
VOLTAGE PROOF		100 V AC FOR 1 min.		NO FLASHOVER OR BREAKDOWN.	X	X
CAPASITANCE		1000±10Hz AC VOTAGE AT ADJACENT TWO CONTACTS.		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 hours FOR 3 DIRECTIONS.		1) NO ELECTRICAL DISCONTINUITY OF 1μs. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
RANDOM VIBRATION		FREQUENCY 5 TO 2000 Hz AT 15 min. FOR 3 DIRECTIONS.			X	—
SHOCK		ACCELERATION 490 m/s , DIRECTIONS OF PULSE 11 ms AT 3 hours FOR 3 DIRECTIONS.			X	—
<b>ENVIRONMENTAL CHARACTERISTICS</b>						
THERMAL SHOCK		TEMPERATURE -55 → 2TO35 → +85 → 2TO35 °C TIME 30 → 2TO3 → 30 → 2TO3 min. UNDER 10 CYCLES.		1) CONTACT RESISTANCE 70 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
HUMIDITY LIFE		TEMPERATURE -10TO65 °C, HUMIDITY 90TO98 %RH UNDER 7 CYCLES(168 hours).		1) INSULATION RESISTANCE 10 MΩ MIN. (AFTER DRYING.) 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
CORROSION SOLT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 hours. (JIS E 5402)		1) CONTACT RESISTANCE 70 mΩ MAX. 2) NO HEAVY CORROSION.	X	—
SOLDERBILITY		SOLERRED AT TEMP 245°C IMAAERSION PERIOD 2 TO 3 sec.		SOLDER SHALL COVER A MINIMUM OF 95% OF THE SURFACE BEING IMMERSERD.	X	—
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
△						
REMARK				APPROVED	NF. MIYAZAKI	08.04.28
				CHECKED	NF. MIYAZAKI	08.04.28
				DESIGNED	HS. KIKUCHI	08.04.28
Unless otherwise specified, refer to USB2.0 AND EIA364.				DRAWN	HS. KIKUCHI	08.04.28
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.	ELC4-125646-04		
<b>HRS</b>	SPECIFICATION SHEET		PART NO.	UX60SC-MB-5ST (01)		
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL240-0016-6-01	△	1/2

# SPECIFICATIONS

## RECOMENDED REFLOW TEMPERATURE PROFILE



Note QT:Qualification Test AT:Assurance Test X:Applicable Test

DRAWING NO.

ELC4-125646-04



SPECIFICATION SHEET

PART NO.

UX60SC-MB-5ST (01)

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