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

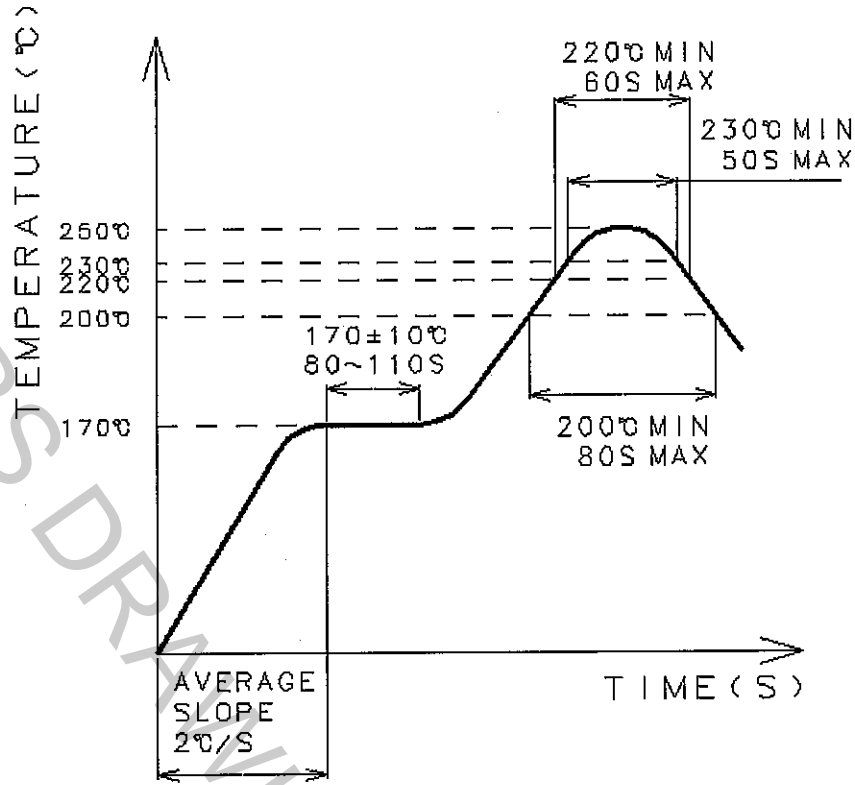
COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	
△					△					
△					△					
<b>APPLICABLE STANDARD</b>										
OPERATING TEMPERATURE RANGE		-30°C TO 75°C			STORAGE TEMPERATURE RANGE		-40°C TO 85°C			
RATING	VOLTAGE	5V AC			CURRENT	1A				
<b>SPECIFICATIONS</b>										
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).								X	X
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD.	20 mV MAX, 100 mA(DC OR 1000 Hz).				50 mΩ MAX.				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 AXIAL 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 AXIAL DIRECTIONS.								X	-
SHOCK	490 m/s <sup>2</sup> 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	-
REMARKS					DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED	
Unless otherwise specified, refer to USB2.0 EIA364.					J.Minna 07.08.07	J.Minna 07.08.07	N. Miyazaki 07.08.08	<i>[Signature]</i> 07.08.08		
Note QT:Qualification Test AT:Assurance Test X:Applicable Test										
<b>HS</b> HIROSE ELECTRIC CO., LTD.					SPECIFICATION SHEET			PART NO. UX60SC-MB-5ST (80)		
CODE NO.(OLD)			DRAWING NO. ELC4-125646-02			CODE NO. CL240-0016-6-80			1/2	

FORM No.231-1

Q2

# SPECIFICATIONS

## RECOMENDED REFLOW TEMPERATURE PROFILE



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Unless otherwise specified, refer to USB2.0 EIA364.	<i>J. Miura</i>	<i>J. Miura</i>	<i>H. Miyazaki</i>	<i>[Signature]</i>	
	'07.08.07	'07.08.07	'07.08.08	'07.08.08	

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TO

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