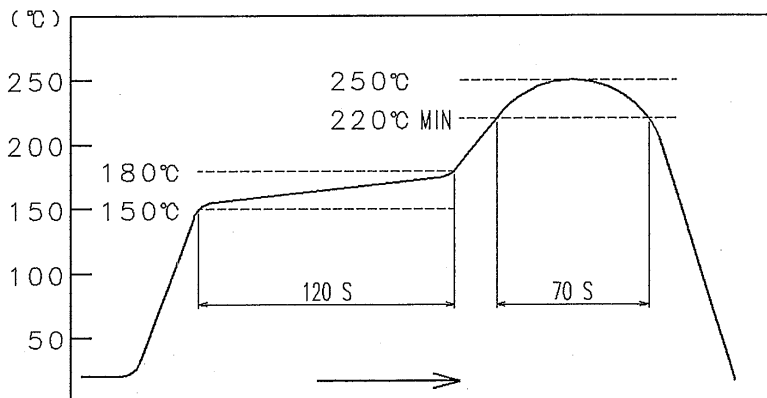


COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△					△				
△					△				
APPLICABLE STANDARD		USB2.0 SPECIFICATION AND MICRO-USB CABLES AND CONNECTORS SPECIFICATION							
RATING	OPERATING TEMPERATURE RANGE	-30 °C TO +85 °C			STORAGE TEMPERATURE RANGE	-30 °C TO +85 °C			
	VOLTAGE	AC 30V			OPERATING HUMIDITY RANGE	— % TO — %			
	CURRENT	① 1 A/pin ① SIGNAL ONLY ② 1.8 A/pin (PIN No.1,5) ② POWER APPLY 0.5 A/pin (PIN No.2-4)			APPLICABLE CABLE	—			
SPECIFICATIONS									
ITEM		TEST METHOD			REQUIREMENTS			QT	AT
CONSTRUCTION									
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.			×	×
MARKING		CONFIRMED VISUALLY.						×	×
ELECTRICAL CHARACTERISTICS									
CONTACT RESISTANCE		100 mA (DC OR 1000 Hz).			30 mΩ MAX.			×	×
INSULATION RESISTANCE		500 V DC.			100 MΩ MIN.			×	×
VOLTAGE PROOF		100 V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN.			×	×
CAPASITANCE		MEASURE ADJACENT TWO CONTACTS AT 1000±10Hz AC VOLTAGE.			2 pF MAX			×	—
MECHANICAL CHARACTERISTICS									
INSERTION AND WITHDRAWAL FORCES		A MAXIMUM RATE OF 12.5mm/min. MEASURED BY APPLICABLE CONNECTOR.			INSERTION FORCE 35 N MAX. WITHDRAWAL FORCE 8 N MIN.			×	—
MECHANICAL OPERATION		10000 TIMES INSERTIONS AND EXTRACTIONS. MATING SPEED - MECHANICALLY OPERATED : 500 CYCLES / h - MANUALLY OPERATED : 200 CYCLES / h			① CONTACT RESISTANCE :NO INCREASE OF MORE THAN 10 mΩ FROM INITIAL VALUE. ② INSERTION FORCE 35 N MAX. WITHDRAWAL FORCE 8 N MIN. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			×	—
VIBRATION		FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2 h, FOR 3 AXIAL DIRECTIONS, TOTAL 6 h.			① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			×	—
RANDOM VIBRATION		FREQUENCY 50 TO 2000 Hz, AT 15 min, FOR 3 AXIAL DIRECTIONS.						×	—
SHOCK		490m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 6 DIRECTIONS, TOTAL 18 TIMES.						×	—
ENVIRONMENTAL CHARACTERISTICS									
THERMAL SHOCK		TEMP -55 → 15 TO 35 → 85 → 15 TO 35 °C TIME 30 → 2 TO 3 → 30 → 2 TO 3 min UNDER 10 CYCLES. (MATING APPLICABLE CONNECTOR)			① CONTACT RESISTANCE : 70 mΩ MAX. ② INSULATION RESISTANCE :10 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			×	—
HUMIDITY LIFE		TEMPERATURE -10~65 °C, HUMIDITY 90 TO 98 %, UNDER 7 CYCLES (168 h) (MATING APPLICABLE CONNECTOR)			NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			×	—
REMARKS					DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
HIROSE will not guarantee the performance on these specifications in case this product will be mated with the others which is not HIROSE's.					<i>Y. Takeuchi</i>	<i>Y. Takeuchi</i>	<i>M. Kobayashi</i>	<i>Shinjiro</i>	ENG 07.3.12 DEPT
Unless otherwise specified, refer to USB2.0 or EIA364					07.03.13	07.03.13	07.03.13	07.03.13	
Note QT:Qualification Test AT:Assurance Test ×:Applicable Test									
HRS HIROSE ELECTRIC CO., LTD.				SPECIFICATION SHEET			PART NO. ZX62D-AB-5P8		
CODE NO.(OLD)		DRAWING NO.			CODE NO.			1/2	
CL		ELC4-126264			CL242-0027-5				



SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
DRY HEAT	EXPOSED AT $+85 \pm 2$ °C, 96 h. (MATING APPLICABLE CONNECTOR)	NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	×	—
COLD	EXPOSED AT -40 ± 2 °C, 96 h. (MATING APPLICABLE CONNECTOR)	NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	×	—
CORROSION SALT MIST	EXPOSED IN 5% SALT WATER, 35 °C FOR 48 h.	NO HEAVY CORROSION.	×	—
RESISTANCE TO SOLDERING HEAT	A PROFILE IS SHOWN IN FIG-1, UNDER 2 CYCLES	NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	×	—



**FIG - 1 RESISTANCE TO SOLDERING HEAT
(TEMPERATURE AT TOP SURFACE OF CONECTOR)**

■ RECOMMENDED PROFILE REFERS TO FIG - 2.
(TEMPERATURE AT SMT LEADS)

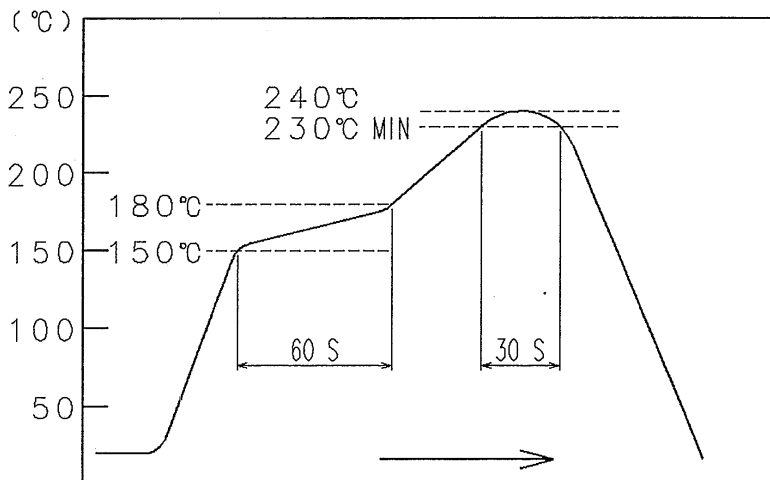


FIG - 2 RECOMMENDED REFLOW PROFILE TEMPERATURE

REMARKS HIROSE will not guarantee the performance on these specifications in case this product will be mated with the others which is not HIROSE's.	DRAWN <i>Y. Jakenchi</i> 07.03.13	DESIGNED <i>Y. Jakenchi</i> 07.03.13	CHECKED <i>M. Kobayashi</i> 07.03.13	APPROVED <i>[Signature]</i> 07.03.13	RELEASED ENG 07.3.12 DEPT
Unless otherwise specified, refer to USB2.0 or EIA364					

Note QT:Qualification Test AT:Assurance Test ×:Applicable Test					
HRS HIROSE ELECTRIC CO., LTD.		SPECIFICATION SHEET		PART NO. ZX62D-AB-5P8	
CODE NO.(OLD) CL	DRAWING NO. ELC4-126264	CODE NO. CL242-0027-5	2		

TO



