

APPLICABLE STANDARD		USB2.0 SPECIFICATION AND MICRO-USB CABLES AND CONNECTORS SPECIFICATION.			
OPERATING TEMPERATURE RANGE	-30°C TO +85°C	STORAGE TEMPERATURE RANGE	-30°C TO +60°C		
RATING	VOLTAGE	AC 30V	CURRENT	SIGNAL ONLY	1.0 A/pin
				POWER APPLY	1.8 A/pin (PIN No.1, No.5) 0.5 A/pin (PIN No.2-No.4)
SPECIFICATIONS					
ITEM	TEST METHOD	REQUIREMENTS	QT	AT	
CONSTRUCTION					
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	X	X	
MARKING	CONFIRMED VISUALLY.		X	X	
ELECTRICAL CHARACTERISTICS					
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).	30 mΩ MAX.	X	X	
INSULATION RESISTANCE	500 V DC.	1000 MΩ MIN.	X	X	
VOLTAGE PROOF	100 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	X	
CAPACITANCE	MEASURE ADJACENT TWO CONTACTS AT 1000±10Hz AC VOLTAGE.	2 pF MAX.	X	—	
MECHANICAL CHARACTERISTICS					
INSERTION AND WITHDRAWAL FORCES	A MAXIMUM RATE OF 12.5 mm/min MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE 35 N MAX. WITHDRAWAL FORCE 8 N MIN.	X	—	
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.	X	—	
VIBRATION	FREQUENCY 10 TO 55 Hz SINGLE AMPLITUDE 0.75 mm, AT 2h FOR 3 AXIAL DIRECTIONS, TOTAL 6 h.	1) NO ELECTRICAL DISCONTINUITY OF 1μs. 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 ² DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 6 DIRECTIONS, TOTAL 18 TIMES.		X	—	
ENVIRONMENTAL CHARACTERISTICS					
TEMPERATURE SHOCK	TEMP -5 →+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.	X	—	
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.	X	—	
DRY HEAT	EXPOSED AT +85±2 °C, 96 h. (MATING APPLICABLE CONNECTOR)	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—	
COLD	EXPOSED AT -40±2 °C, 96 h. (MATING APPLICABLE CONNECTOR)	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—	
CORROSION SALT MIST	EXPOSED AT 5 % SALT WATER, 35 °C, FOR 48h. (LEFT UNDER UNMATED CONDITION)	NO HEAVY CORROSION.	X	—	
SOLDERABILITY	SOLDERING POINT IMMERSED IN SOLDER BATH OF 255±5°C, 5 sec. (USING TYPE R FLAX)	SOLDER SHALL COVER MINIMUM OF 95% OF THE SURFACE BEING IMMERSED.	X	—	
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
Δ					
REMARK					
HIROSE will not guarantee the performance on these specifications in case this product will be mated with the others which is not HIROSE's.					
Unless otherwise specified, refer to USB2.0 or EIA 364 .					
Note	QT:Qualification Test AT:Assurance Test X:Applicable Test	DRAWING NO.	ELC4-127464-02		
HRS		SPECIFICATION SHEET	PART NO.	ZX62D-B-5PA5	
		HIROSE ELECTRIC CO., LTD.	CODE NO.	CL242-0066-7-00	Δ
					1/2
APPROVED		R.I. TAKAYASU	12.08.24		
CHECKED		NM. NISHIMATSU	12.08.24		
DESIGNED		WR. YAMADA	12.08.24		
DRAWN		WR. YAMADA	12.08.24		

SPECIFICATIONS				
ITEM	TEST METHOD	REQUIREMENTS	QT	AT
RESISTANCE TO SOLDERING HEAT	A PROFILE IS SHOWN IN FIG-1, UNDRE 2 CYCLES.	NO DEFORMATION OR SIGNIFICANT LOOSENESS OF CONTACTS.	X	-

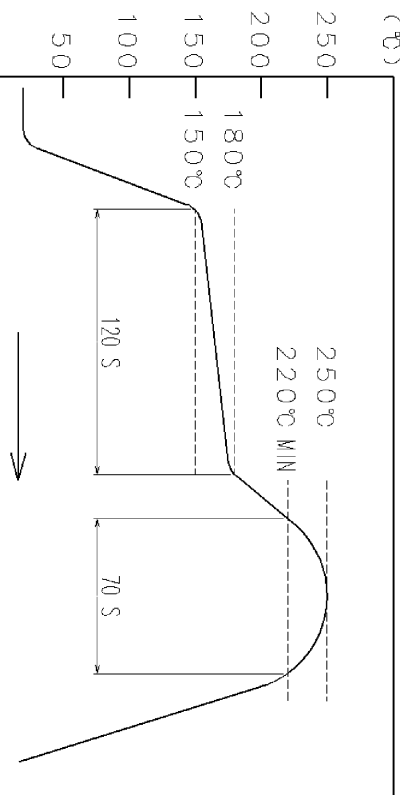



FIG - 1 RESISTANCE TO SOLDERING HEAT
(TEMPERATURE AT TOP SURFACE OF CONNECTOR)

Note	QT:Qualification Test	AT:Assurance Test	X:Applicable Test	DRAWING NO.	ELC4-127464-02
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	HIROSE ELECTRIC CO., LTD.		CODE NO	CL242-0066-7-00	 2/2