APPLICA	BLE STANI	DARD	USB2.0 SPECIFICATION A	AND MICI	RO-USB (CABLE	E AND CONN	IECTORS SPECIFICATIO	N.	
	OPERATING TEMPERATU RANGE	20.00 70.05		С	STORAGE TEMPERATURE RANGE			-30 °C TO +60 °C		
RATING	VOLTAGE		30 V AC		OPER HUMI		G RANGE	-		
	CURRENT		1) 1 A / pin			APPLICABLE		-		
	1) SIGNAL OI	NLY	2) 1.8 A / pin (PIN No.1,5)		CABL	ABLE				
	2) POWER APPLY 0.5 A / pin (PIN No.2-4)									
			SPEC	IFIC	ATION	IS				
	EM		TEST METHOD				REQ	UIREMENTS	QT	АТ
CONSTR									ΙX	
	XAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.				ACCORDING TO DRAWING.				X
			CONFIRMED VISUALLY.							X
ELECTRICAL CHARAC						L 20 mO MAY				TV
CONTACT R	RESISTANCE	100 mA (DC OR 1000 Hz).				30 mΩ MAX.				X
VOLTAGE PE		500 V DC. 100 V AC FOR 1 min.				100 MΩ MIN. NO FLASHOVER OR BREAKDOWN.			X	X
		MEASURE ADJACENT TWO CONTACTS AT						N BREARDOWN.	X	
CAPACITANCE		1000±10 Hz AC VOLTAGE.				2 pi	2 pF MAX.			
	IICAL CHA									
14/1TUDD 414/41 EGDGEG			A MAXIMUM RATE OF 12.5 mm/min. MEASURED BY APPLICABLE CONNECTOR.			INSERTION FORCE 35 N MAX. WITHDRAWAL FARCE 8 N MIN.			Х	-
	L OPERATION		MES INSERTIONS AND EXTRA			1) C(1) CONTACT RESISTANCE:			
		MATING SPEED - MECHANICALLY OPERATED: 500 CYCLES / h MANUALLY OPERATED : 200 CYCLES / h				NO INCREASE OF MORE THAN 10 m Ω 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 2 h, FOR 3 AXIAL DIRECTIONS.				1) NO ELECTRICAL DISCONTINUITY OF 1 µs. 2) NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			Х	_
			REQUENCY 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.							Х	_
ENVIRO	NMENTAL	CHAR	ACTERISTICS							
THERMAL SI	HOCK	TEMP $-55 \rightarrow 15 \text{ TO } 35 \rightarrow 85 \rightarrow 15 \text{ TO } 35 ^{\circ}\text{C}$ TIME $30 \rightarrow 2 \text{ TO } 3 \rightarrow 30 \rightarrow 2 \text{ TO } 3 \text{ min.}$ UNDER 10 CYCLES. (MATING APPLICABLE CONNECTOR)			 CONTACT RESISTANCE: 70 mΩ MAX. INSULATION RESISTANCE: 10 MΩ MIN. NO DAMAGE, CRACK AND LOOSENESS OF PARTS. 			Х	_	
HUMIDITY LIFE		TEMPERATURE -10 TO 65 °C, HUMIDITY 90 TO 98 % UNDER 7 CYCLES. (168 h) (MATING APPLICABLE CONNECTOR)			NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			x	_	
DRY HEAT			XPOSED AT 85±2 °C, 96 h. MATING APPLICABLE CONNECTOR)			NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			Х	_
COLD		EXPOSED AT -40±2 °C, 96 h.				NO DAMAGE, CRACK AND LOOSENESS OF			Х	
CORROSION SALT MIST		EXPOSE	(MATING APPLICABLE CONNECTOR) EXPOSED IN 5 % SALT WATER, 35 °C FOR 48 h.			PARTS. NO HEAVY CORROSION.			X	_
SOLDERABILITY		SOLDER	UNDER UNMATED CONDITION) RING POINT IMMERSED IN SOLDER BATH OF C, 5 sec.(USING TYPE R FLUX)			SOLDER SHALL COVER MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.			X	
			DFILE IS SHOWN IN FIG1, UNDER 2 CYCLES.			NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			X	<u> </u>
COUN		SCRIPTION	ON OF REVISIONS		DESIGN			CHECKED	-	TE
<u> </u>	. 50	JOINI III	5 51 NEVIOIO140		220101			5.1.E51(ED	107	
REMARK				<u> </u>			APPROVED	NM. NISHIMATSU	15 1	0. 27
HIROSE will not guarantee the performance on these specifications in							KN. I CHI KAWA		0. 27	
case this p	oroduct will b	oe mate	ed with the others which is not HIROS			Ξ's.	DESIGNED	TS. ITO		0. 27
<u> </u>			efer to USB2.0, EIA364 or IEC 60512			AN. ANTTAMA			15. 10. 27	
	lote QT:Qualification Test AT:Assurance Test X:Applicable Test DR					RAWING NO. ELC-126522-31-00				
HS.		SPECIFICATION SHEET			PART N			· · ·	Δ	1/0
FORM HDOO11-		OSE EI	LECTRIC CO., LTD.	J CO., LTD.		NO. CL242-0		043-1-31		1/2

SPECIFICATIONS

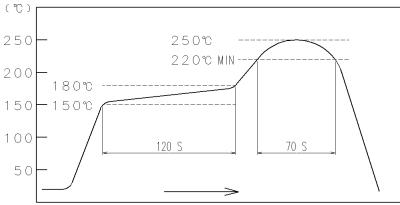


FIG – 1 <u>RESISTANCE TO SOLDERING HEAT</u> (TEMPERATURE AT TOP SURFACE OF CONNECTOR)

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

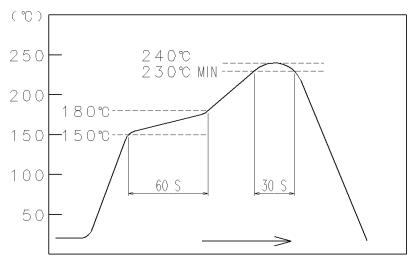


FIG – 2 RECOMMENDED REFLOW PROFILE TEMPERATURE

Note QT:	Qualification Test AT:Assurance Test X:Applicable Test	DRAWING NO.		ELC-126522-31-00		
שנו	SPECIFICATION SHEET	PART NO.	ZX60-B-5S (31)			
KS	HIROSE ELECTRIC CO., LTD.	CODE NO	CL242-00	43-1-31	\triangle	2/2