APPLICA	BLE STANI	DARD	USB2.0 SPECIFICAT			USB CA	ABLES AND	CON	NECTORS SPECIF	ICATIO	N.
OPERATING TEMPERATUE		E RANGE -30°C TO +85°C STORAGE TEMPERATURE R			NGE		-3	30°C TO +60°C			
RATING	TEMPERATURE RANGE			TEIVII ETB	TTOTIL TO		SIGNAL ONL	Υ	1.0 A/pin		
TO THING	VOLTA	GE	AC 30V	CU	IRRENT		POWER APF	ol V	1.8 A/pin (PIN No.1	,No.5)	
	VOLTA	GE	AC 30V				POWER APP	-LY	0.5 A/pin (PIN No.2	-No.4)	
			SPEC		ATIOI	VIC.					
171	-14				\ 1101	NO	DEOL		MENTO	0.7	
CONSTR	EM		TEST METHOD				REQI	UIKEI	MENTS	QT	A
GENERAL EX		MELIALLY	AND BY MEASI IDING INST	DIIMENT	1	۸۵۵۵۱		A \A/	2	Tv	X
MARKING		VISUALLY AND BY MEASURING INSTRUMENT. CONFIRMED VISUALLY.			ACCORDING TO DRAWING.				X	\ \ \ \ \ \	
	CAL CHAF									^	
CONTACT RE					1	30 m() MAY			Тх	>
INSULATION RESISTANCE		100 mA (DC OR 1000 Hz).			30 mΩ MAX. 1000 MΩ MIN.				X	\ \ \ \ \ \	
VOLTAGE PROOF		100 V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN.				X	\ \ \ \ \ \	
CAPACITANCE		MEASURE ADJACENT TWO CONTACTS AT			2 pF MAX.				$\frac{\lambda}{X}$	+-	
			Hz AC VOLTAGE.			- p				^	
MECHAN	ICAL CHAP	RACTE	RISTICS								
INSERTION A			JM RATE OF 12.5 mm/min	OTOD			TION FORCE	_	5 N MAX.	Х	-
WITHDRAWA	L FURUES	MEASUR	ED BY APPLICABLE CONNE	CTOR		WIIHD	DRAWAL FARC	J⊑ {	5 IN MIIN.		
MECHANICAL	OPERATION	10000 T	IMES INSERTIONS AND EXT	RACTIONS	S.	1) COI	NTACT RESIS	TANC	E:	+	+
		MATING	SPEED			NO INCREASE OF MORE THAN 10 m $_{\Omega}$ FROM INITIAL VALUE.			X	_	
			NICALLY OPERATED : 500 C						^`		
		- MANUA	LLY OPERATED : 200 C	YCLES / h		,	HDRAWAL FO		35 N MAX. 8 N MIN.		
						3) NO DAMAGE, CRACK AND LOOSENESS					
VIDDATION		EDEOUE	NOV 40 TO 55 H				PARTS.	DIOO	21 17 11 11 17 1 0 5		
VIBRATION		FREQUENCY 10 TO 55 Hz SINGLE AMPLITUDE 0.75 mm, AT 2h			1) NO ELECTRICAL DISCONTINUITY OF 1 us.			X	_		
		(6 HOURS IN TOTAL) FOR 3 AXIAL DIRECTIONS. FREQUENCY 50 TO 2000 Hz AT 15 min (45 MINUTES IN TOTAL) FOR 3 AXIAL DIRECTIONS. ACCELERATION 490 m/s², DURATION OF PULSE 11 ms			•		ACK A	AND LOOSENESS			
RANDOM VIBRATION					OF PARTS.			X			
SHOCK					1				X	╀	
		AT 3 TIMES FOR 6 DIRECTIONS.(18 TIMES IN TOTAL)							^	-	
ENVIRON	IMENTAL	CHARA	ACTERISTICS								
THERMAL SH	IOCK		55 →+15 TO +35→+85→+15		;	,			E: 70 mΩ MAX.	V	
		TIME 30 → 2 TO 3 → 30→ 2 TO 3 min UNDER 10 CYCLES. (MATING APPLICABLE CONNECTOR)			2) INSULATION RESISTANCE: 10 MΩ MIN. 3) NO DAMAGE, CRACK AND LOOSENESS				X	-	
					OF PARTS.						
HUMIDITY LIF	E	TEMPERATURE -10 ~ 65 °C, HUMIDITY 90 TO 98 % UNDER 7 CYCLES (168 h) (MATING APPLICABLE CONNECTOR) EXPOSED AT 85±2 °C, 96 h. (MATING APPLICABLE CONNECTOR) EXPOSED AT -40±2 °C, 96 h.			NO DAMAGE, CRACK AND LOOSENESS OF			Х			
					PARTS.				^	-	
DRY HEAT					NO DAMAGE, CRACK AND LOOSENESS OF				+	-	
					PARTS.				Х		
COLD					NO DAMAGE, CRACK AND LOOSENESS OF				Х		
CORROSION SALT MIST		(MATING APPLICABLE CONNECTOR)			oh.	PARTS. NO HEAVY CORROSION OF CONTACTS.				^	\perp
CORROSION SALT MIST		EXPOSED AT 5 % SALT WATER, 35 °C, FOR 48h. (LEFT UNDER UNMATED CONDITION)			NO REAVY CONNOSION OF CONTACTS.				Х	-	
SOLDERABILITY		SOLDERING POINT IMMERSED IN SOLDER BATH OF			SOLDER SHALL COVER MINIMUM OF 95% OF				Х	t	
		255±5°C,5 sec. (USING TYPE R FLAX)				THE SURFACE BEING IMMERSED.					
COUNT	Γ DE	SCRIPTIO	ON OF REVISIONS		DESIG	NED			CHECKED	DA	ATE
<u> </u>											
HIDOOF III and a constant the conference of the					NM. NISHIMATSU	15.					
HIROSE will not guarantee the performance on these specificati case this product will be mated with the others which				ic not			KN. ICHIKAWA	15. 10.			
HIROSE's.			vinoii k	. 11Ul	DESIGNED		TS. ITO	15.	10. :		
			(4 - 1-0	00510		DRAWN		AK. AKIYAMA	15.	10. 2
Unless oth	erwise spec	citied, re	fer to USB2.0, EIA36	4 or IEC	60512	•					
lote QT:Qเ	alification Tes	t AT:Ass	surance Test X:Applicable	Test	DF	RAWIN	IG NO.		ELC-126514-	31-0	0
וחר	C.F	PECIFICATION SHEET			PART	NO	o. ZX62MD1-B-5P (31))	
		LON 10/11/OIT OITELT			ı AIII	140.			· · ·		
HIF		OSE ELECTRIC CO., LTD. CODE		E NO. CL242-0041-6-31			\triangle	1/			

SPECIFICATIONS								
ITEM	TEST METHOD	REQUIREMENTS	QT	АТ				
RESISTANCE TO	A PROFILE IS SHOWN IN FIG-1, UNDER 2 CYCLES.	NO DAMAGE, CRACK AND LOOSENESS OF						
SOLDERING HEAT		PARTS.	X	_				

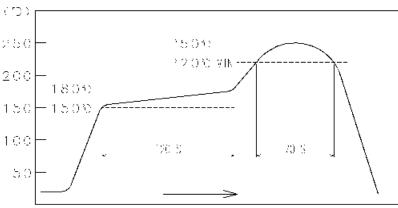


FIG – 1 <u>RESISTANCE TO SOLDERING HEAT</u> (TEMPERATURE AT TOP SURFACE OF CONNECTOR)

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

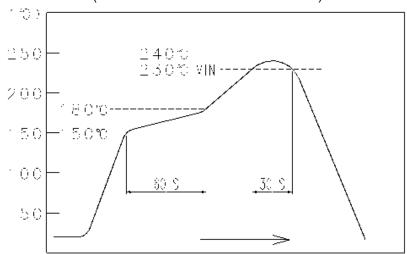


FIG - 2 RECOMMENDED REFLOW PROFILE TEMPERATURE

Note QT:	Qualification Test AT:Assurance Test X:Applicable Test	DRAWING NO.		ELC-126514-31-00		
HS	SPECIFICATION SHEET		ZX62MD1-B-5P(31)			
1.0	HIROSE ELECTRIC CO., LTD.	CODE NO	CL242	-0041-6-31	\triangle	2/2