APPLICA	BLE STAN	DARD	USB2.0 SPECIFICAT			JSB CA	ABLES AND	CON	INECTORS SPECIF	CATIO	N.
	OPERATING TEMPERATURE RANGE		-30°C TO +85°C STORAGE			NGE	-30°C TO +60°C				
RATING	VOLTAGE			CURRENT			SIGNAL ONLY 1.0 A/pin				
			AC 30V			POWER AP		1 8 A/nin (PIN No 1			
			SPEC	CIFIC	OITA	NS					
17	TEM		TEST METHOD	J	11101	•••	REOL	IIRE	MENTS	QT	Α
	RUCTION		TEST WETHOD				NEQ	JIKL	INILINIS	Qi	^
	EXAMINATION	VISUALL	Y AND BY MEASURING INST	RUMENT.	1	ACCO	RDING TO DRA	AWIN	IG.	Х	T >
MARKING		CONFIRMED VISUALLY.						X	+		
FLECTR	ICAL CHA										
	RESISTANCE		DC OR 1000 Hz).			30 ms	2 MAX.			Х	
INSULATION RESISTANCE		500 V DC.				1000 MΩ MIN.				X	
VOLTAGE PROOF		100 V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN.				X		
CAPACITAN	ICE	MEASURE ADJACENT TWO CONTACTS AT			2 pF MAX.			X			
			Hz AC VOLTAGE.								
	NICAL CHA										
INSERTION WITHDRAW	AND AL FORCES		JM RATE OF 12.5 mm/min	CTOR			TION FORCE RAWAL FARC		35 N MAX.	X	-
WITIDIAW	ALT ONCES	MEASURED BY APPLICABLE CONNECTOR				VVIIIIL	KAWAL FARC	,_	O IN IVIIIN.		
MECHANICA	AL OPERATION	10000 T	MES INSERTIONS AND EXT	RACTIONS	S.	1) CONTACT RESISTANCE:					
		MATING :							RE THAN 10 m $_{\Omega}$	X	-
			NICALLY OPERATED : 500 C LLY OPERATED : 200 C	CYCLES / h CYCLES / h		FROM INITIAL VALUE. 2) INSERTION FORCE 35 N MAX.					
		10070	. 200 0	10220711		,	HDRAWAL FO				
						3) NO DAMAGE, CRACK AND LOOSENESS					
VIBRATION		FREQUENCY 10 TO 55 Hz			OF PARTS. 1) NO ELECTRICAL DISCONTINUITY OF				-		
		SINGLE AMPLITUDE 0.75 mm, AT 2h			΄1μs.			X	-		
		(6 HOURS IN TOTAL) FOR 3 AXIAL DIRECTIONS.			,		ACK	AND LOOSENESS		-	
RANDOM VIBRATION		FREQUENCY 50 TO 2000 Hz AT 15 min (45 MINUTES IN TOTAL) FOR 3 AXIAL DIRECTIONS.			OF	PARTS.			X	١.	
SHOCK		ACCELERATION 490 m/s ² , DURATION OF PULSE 11 ms							Х		
			ES FOR 6 DIRECTIONS.(18 T	TIMES IN T	OTAL)						
THERMAL S		_	ACTERISTICS 55 →+15 TO +35→+85→+15	5 TO 1 25 °C	, 1	1) 00	NTACT DEGIC	TANK	2E: 70 mg MAY		
THERWALO	or 1001C	TIME 30 → 2 TO 3 → 30→ 2 TO 3 min UNDER 10 CYCLES. (MATING APPLICABLE CONNECTOR)				 CONTACT RESISTANCE: 70 mΩ MAX. INSULATION RESISTANCE: 10 MΩ MIN. 			Х	-	
					3) NO DAMAGE, CRACK AND LOOSENESS						
HUMIDITY L	ICC				OF PARTS. NO DAMAGE, CRACK AND LOOSENESS OF					-	
HUMIDITY L	IIFE	TEMPERATURE -10 ~ 65 °C, HUMIDITY 90 TO 98 % UNDER 7 CYCLES (168 h) (MATING APPLICABLE CONNECTOR)			PARTS.			X	-		
DRY HEAT		EXPOSED AT 85±2 °C, 96 h.			NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				X		
COLD		(MATING APPLICABLE CONNECTOR) EXPOSED AT -40±2 °C, 96 h.			NO DAMAGE, CRACK AND LOOSENESS OF			^	+		
OOLD		(MATING APPLICABLE CONNECTOR)				PARTS.			X	-	
CORROSION SALT MIST		EXPOSED AT 5 % SALT WATER, 35 °C, FOR 48h.			NO HEAVY CORROSION OF CONTACTS.				Х		
OOL DED A DILLETY		(LEFT UNDER UNMATED CONDITION)			COLDED CHALL COVED MINIMUM OF CEC. OF				^		
SOLDERABILITY		SOLDERING POINT IMMERSED IN SOLDER BATH OF 255±5°C,5 sec. (USING TYPE R FLAX)			I H OF	SOLDER SHALL COVER MINIMUM OF 95% OF THE SURFACE BEING IMMERSED.			Х		
COUN	NT DE	SCRIPTIO	ON OF REVISIONS		DESIG	NED			CHECKED	DA	ATE
Δ											
REMARK							APPROVED)	NM. NISHIMATSU	15.	10.
	_		e performance on th				CITEOTER		KN. ICHIKAWA	15.	
	•	vill be i	mated with the o	thers v	vhich is	s not	DESIGNED		TS. ITO	15.	10.
HIROSE's	5 .						DDV//VI		VK VKIAWV	15	10
Jnless oth	herwise spe	cified, re	fer to USB2.0, EIA36	4 or IEC	60512.	- <u> </u>	DRAWN		AK. AKIYAMA	15.	ıυ.
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DR	DRAWING NO. ELC-126514-3			31-0	0			
HS.	SI	PECIFICATION SHEET			PART	NO.	ZX62MD1-B-5P (31))	
ΛV			205 51 507010 00 1 70		CODE	E NO. CL242-		2–0	0041-6-31	\triangle	1/
FORM HD0011_2_1			52 22201110 00., 21D. COD		JODE	_ NO. ULZ4/			2 00TI 0 0I		L''

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	_					

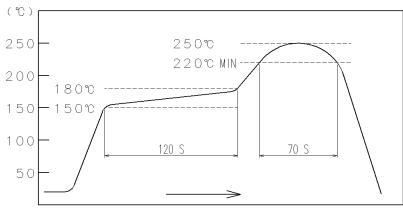


FIG – 1 <u>RESISTANCE TO SOLDERING HEAT</u> (TEMPERATURE AT TOP SURFACE OF CONNECTOR)

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

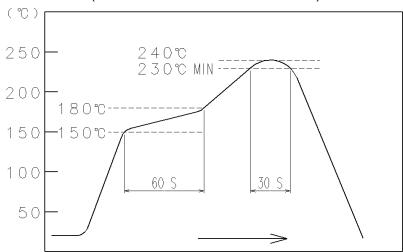


FIG - 2 RECOMMENDED REFLOW PROFILE TEMPERATURE

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