APPLICA			DARD	USB2.0 SPECIFICATION			-		CONN	IECTORS S	PECIF	ICATI	ON.	
		RATING IPERATURI	E RANGE	−30°C TO +85°C	-	ORAGE TI NGE	EMPERA	TURE		−30°C	то -	+85°C		
		VOLTAGE		AC 30 V		PERATING HUN		IIDITY		— %	то	_	%	
RATING	CURRENT		JL	1 1 A/pin		PLICABLE	CABLE			— / <sub>0</sub>	10	_	/0	
	1	SIGNAL	ONLY	2 1.8 A/pin (PIN No.1,5)							_			
	2	POWER	APPLY	0.5 A/pin (PIN No.2 ~ 4	4)									
	1			SPEC	IFIC	ATIO	NS							
IT	EM			TEST METHOD				F	REQU	IREMENTS			QT	AT
CONSTR		TION					1							1
GENERAL EX	AMIN	IATION	VISUALLY	AND BY MEASURING INSTRU	UMENT.		ACCOR	DING TO	DRAV	/ING.			X	X
MARKING				IED VISUALLY.									Х	Х
ELECTR	IC (													
CONTACT R		STANCE		(DC OR 1000 Hz).			$30~\text{m}\Omega$						X	X
INSULATION RESISTANC			500 V DC	C.			100 MΩ	2 MIN.					Х	Χ
VOLTAGE P		)F	100 V AC	C FOR 1 min.			NO FL	ASHOVE	ER OF	R BREAKDO	WN.		X	Х
CAPASITAN	ICE			RE ADJACENT TWO CONT.	ACTS A	Т	2 pF M	ΔΥ					Х	† <u>_</u>
				OHz AC VOLTAGE.			Z PI IVI						^	
MECHAN INSERTION				RISTICS IUM RATE OF 12.5mm/min.			INISED.	TION FO	)PCE	35 N M	ΙΔΥ			1
WITHDRAW				RED BY APPLICABLE CON		₹.		RAWAL					X	_
					<b>(TD.4.0</b> T)		_			STANCE :NO			=	
			10000 11	MES INSERTIONS AND EX	KIRACI	IONS.		MORE UE.	IHAN	10 mΩ FRC	INI INI	IIAL		
MECHANICA			MATING	SPEED			② INS	ERTION			N MAX		Х	_
OPERATION		- MECHANICALLY OPERATED : 500 CYCLES / h - MANUALLY OPERATED : 200 CYCLES / h					WITHDRAWAL FORCE 8 N MIN.  NO DAMAGE, CRACK AND							
			- IVIANO	IALLY OPERATED : 200 CY	CLES /	n	_			PARTS.				
				NCY 10 TO 55 Hz,									-	
VIBRATION				AMPLITUDE 0.75 mm, A		٦,	@ NO	EL EOTI	21041	DIOCONTI	<b>.</b> <del></del>	0.5	X	_
				AXIAL DIRECTIONS, TOT ENCY 50 TO 2000 Hz, AT 15			-	ELECTI μS.	RICAL	. DISCONTII	NUITY	OF	\	
RANDOM VI	IBRA	TION	FOR 3 A	XIAL DIRECTIONS.			② NO	DAMAG		RACK AND			Х	_
SHOCK				DIRECTIONS OF PULSE			LO	OSENE:	SS, O	F PARTS.			Х	
SHOCK				TIMES FOR 6 DIRECTIC 8 TIMES.	JNS,								^	_
ENVIRO	NMI	ENTAL	CHARA	ACTERISTICS										I
			TEMP	-55 → 15 TO 35 → 85 →						STANCE : 70				
THERMAL S	SHOO	CK	TIME	$30 \rightarrow 2 \text{ TO } 3 \rightarrow 30 \rightarrow 10 \text{ CYCLES}.$	2 TO 3	min				SISTANCE : RACK AND	:10 MΩ	2 MIN.	Х	_
				APPLICABLE CONNECTO	OR)					PARTS.				
HUMIDITY LIFE		TEMPERATURE -10~65 °C, HUMIDITY 90 TO				NO DAMAGE, CRACK AND LOOSENESS,					Х	_		
				NDER 7 CYCLES (168 h) S APPLICABLE CONNECTO	ופו		OF PA	RTS.						
			(IVIATING	ALL EIGABLE CONNECTO	JI()									
COUN	Т	DE	SCRIPTION	ON OF REVISIONS		DESIG	SNED			CHECK	ED		DA	ATE
◬														
REMARK								APPRO		NM. NIS	HIMATS	SU	15. 1	0. 27
		•		ne performance on the mated with the otl		ecification vhich i		CHEC		KN. IC	HIKAWA	١	_	10. 27
HIROSE's	•	oduci w	iii be	mated with the off	neis v	VIIICII I	5 1101	DESIG	NED	TS.	ITO		15. 1	10. 27
			::::::::::::::::::::::::::::::::::::::	.ft- 110D0 0 E14004	1 156	2 00540	_	DRA	٧N	AK. AI	KIYAMA		15. 1	10. 27
•				refer to USB2.0, EIA364 or IEC 6051									20.00	<u> </u>
	uallil							RAWING NO.			ELC-126723-30-00			
HS				CATION SHEET		PART	NO.		ZX80-B-5P (30)			30)		I
HIR			OSE ELECTRIC CO., LTD.			CODE NO.		CL242-0051-0-30				⚠	1/2	

SPECIFICATIONS									
ITEM	TEST METHOD	REQUIREMENTS	QT	АТ					
DRY HEAT	EXPOSED AT +85±2 °C , 96 h. (MATING APPLICABLE CONNECTOR)	NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	Χ	_					
COLD	EXPOSED AT -40±2 °C , 96 h. (MATING APPLICABLE CONNECTOR)	NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	Χ	_					
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER, 35 °C FOR 48h. (LEFT UNDER UNMATED CONDITION.)	NO HEAVY CORROSION.	Χ	_					
SOLDERABILITY	SOLDERING POINT IMMERSED IN SOLDER BATH OF 255±5 °C, 5sec.(USING TYPE R FLUX)	SOLDER SHALL COVER MINIMUM OF 95% OF THE SURFACE BEING IMMERSED.	Χ	_					
RESISTANCE TO SOLDERING HEAT	A PROFILE IS SHOWN IN FIG-1, UNDER 2 CYCLES	NO DEFORMATION OR SIGNIFICANT LOOSENESS OF CONTACTS.	Χ	_					

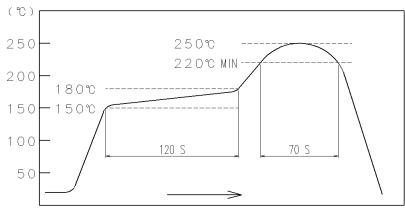


FIG – 1 <u>RESISTANCE TO SOLDERING HEAT</u> (TEMPERATURE AT TOP SURFACE OF CONNECTOR)

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

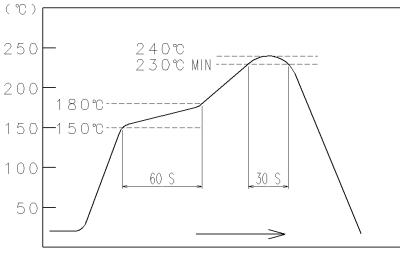


FIG – 2 RECOMMENDED REFLOW PROFILE TEMPERATURE

Note QT:Q	ualification Test AT:Assurance Test X:Applicable Test	DRAWIN	IG NO.	ELC-126723-30-00			
<b>HS</b>	SPECIFICATION SHEET	PART NO.	ZX80-B-5P (30)				
1.0	HIROSE ELECTRIC CO., LTD.	CODE NO	CL242	2-0051-0-30	$\triangle$	2/2	