		BLE STANDARD		IEC 61076-3-124 -40°C TO +85°C(95%RH max)		Storage Tempera		perature	-30	°C TO +60°C(95%RH r	nax)	
Rating	R	ange		(note1)		Range			-30°C TO +60°C(95%RH max) (note1)			
		Volta	ae	50 V AC / 60 V D			Current		1.5 A/pin (all pin)			
		Vollage		50 V AC / 60 V DC						3 A/pin (pin No.1,2,6	5,7)	
			1	SPEC	IFICA		٧S				1	
	ITEI			TEST METHOD				R	EQU	IREMENTS	QT	A
CONST	RU	CTION	1									1
General Examination			Examined visually and with a measuring instrument.				According to drawing.				Х	Х
Marking		Confirmed visually.				According to drawing.				Х	Х	
ELECT	RIC	CHARA	CTERIS	STICS								
Contact Resistance			Measured at 100 mA max (DC or 1000 Hz).				contact : 30 m Ω max. shield : 100 m Ω max.				Х	-
Insulation Resistance			Measured at 500 V DC.				500 M	Ω min.			Х	-
Voltage Proof			500 V DC applied for 1 min. Current leakage 2mA max.				No flashover or breakdown.				Х	_
Insertion loss			Measured in the range of 1 to 500 MHz.				0.02 $\sqrt{(f)}$ dB max. (Whenever the formula results in a value less than 0.1 dB, the requirement shall revert to 0.1 dB.)				x	_
Return loss			Measured in the range of 1 to 500 MHz.				68 – 20log(f) dB min. (Whenever the formula results in a value greater than 30 dB, the requirement shall revert to 30 dB.)				x	_
Near end crosstalk			Measured in the range of 1 to 500 MHz.				94 – 20log(f) dB min. (1MHz to 250MHz) 46.04 – 30log(f/250) dB min. (250MHz to 500MHz) (Whenever the formula results in a value greater than 75 dB, the requirement shall revert to 75 dB.)			x	_	
Far end crosstalk			Measured in the range of 1 to 500 MHz.				83.1 – 20log(f) dB min. (Whenever the formula results in a value greater than 75 dB, the requirement shall revert to 75 dB.)				x	_
Transverse conversion loss			Measured in the range of 1 to 500 MHz.				68 – 20log(f) dB min.(Whenever the formula results in a value greater than 50 dB, the requirement shall revert to 50 dB.)				х	
Transverse conversion transfer loss		Measured in the range of 1 to 500 MHz.				68 – 20log(f) dB min. (Whenever the formula results in a value greater than 50 dB, the requirement shall revert to 50 dB.)				x	_	
MECHA	NIC	AL CHAR	ACTERI	ISTICS								
Insertion And Withdrawal			A maximum rate of 50 mm/min.				Insertion force 25 N max. Withdrawal force 25 N max.				Х	-
	Forces Mechanical Operation		measured with an applicable connector. 5000 times insertions and extractions.				Withdrawai force 25 N max. 1) Resistance: contact : 80 mΩ max.				in X in X X X	
			• •	ing speed : 10 mm/s max. : 5s, min.(unmated)			shield : 100 mΩ max.2) No damage, cracks or looseness of parts.					X
Vibration		0.35 mm, 5	Frequency 10 to 500 Hz 0.35 mm, 50 m/s ² 2hrs in each of 3 mutually perpendicular axis.			 No electrical discontinuity of 1µs. No damage, cracks or looseness of parts. 				x	-	
COL	INT	DES		N OF REVISIONS	1	DESIG	NFC)		CHECKED		
1				E-00001800		JY.IG				KI.NAGANUMA	DATE 2018100	
Note					01.10A		APPROVED		KI.NAGANUMA	201810		
Note1. Non-condensing							CHEC			KI.NAGANUMA	20180628	
-			ied, refer to IEC 60512.				DESIGN		IED	YS.SAKODA	2018062	
		-						DRAW	'N	YS.SAKODA	2018	8062
Note QT:Qualification Test AT:Assurance Test X:Applicable Test					DRAWING NO. ELC-129413			ELC-129413-0)1-0	0		
HRS		SPEC		CATION SHEET PART		PART	T NO.		IX80G-B-10P(01)			
					1			1				1/

		SPECIFICA		••		07		
ITE		TEST METHOD			REQUIREMENTS	QT	AT	
Fretting Corrosion		490 m/s ² , 30 times/min at 1000 times.			1) No electrical discontinuity of 1µs.			
Shock		Subject mated specimens to 300 m/s ² half-sine shock pulses			 No damage, cracks or looseness of parts. No electrical discontinuity of 1µs. 			
SHOCK		of 11 milliseconds duration, 3 shocks in both directions of 3 mutually perpendicular directions (totally 18 shocks)			 No detectrical discontinuity of rps. No damage, cracks or looseness of parts. 			
Lock Strength		Applying 80 N force for the mating axis direction in state in fitted with applicable connector.		No unlocking, damage, cracks or looseness of parts.		x	_	
Wrenching Strength		Applying 25times of 30 N 1s for 2 axis direction on tip case in state in fitted with applicable connector.	No damage, cracks or looseness of parts.			_		
ENVIRON	MENTAL	CHARACTERISTICS					-	
Rapid change of temperature		Subject mated specimens to 10 cycles between -55°C and 85°C with 30 minutes dwell at temp. extremes and 1 minute transition between temperatures.			 1) Voltage proof : 500 V DC applied for 1 min. Current leakage 2mA max. No flashover or breakdown. 2) Resistance: contact : 80 mΩ max. shield : 100 mΩ max. 3)Insulation resistance: 500 MΩ min. (at dry) 			
				4) No da	mage, cracks or looseness of parts.		<u> </u>	
Humidity / temp	erature cycling	low temperature 25 °C; high temperature 65 °C; cold sub-cycle – 10 °C; relative humidity 93 % duration 10 / each 24 h (IEC 60068-2-38,test Z / AD)		shield 2)Insulat	tance: ct : 80 m Ω max. d : 100 m Ω max. ion resistance: 500 M Ω min. (at dry) mage, cracks or looseness of parts.	X		
Damp heat, stea	ady state	Subject mated specimens to a relative humidity of 93 % at a			1) Resistance:			
		temperature of 40°C during 21 days.			 contact : 80 mΩ max. shield : 100 mΩ max. 2)Insulation resistance: 500 MΩ min. (at dry) 3) No damage, cracks or looseness of parts. 			
Dry Heat		Subject to +85 \pm 2 °C, 21 days. (mating applicable connector)			 Resistance: contact : 80 mΩ max. shield : 100 mΩ max. Insulation resistance: 500 MΩ min. (at dry) No damage, cracks or looseness of parts. 			
								Cold
		(mating applicable connector)			contact : 80 m Ω max. shield : 100 m Ω max.			
					2)Insulation resistance: 500 M Ω min. (at dry)			
Osmasian Osli I	A:-+				mage, cracks or looseness of parts.	x x x x x x x x		
Corrosion Salt N	MISL	Subject to 5 % salt water, 35 \pm 2 °C, 48h. (leave under unmated condition.)		No nea	vy corrosion of contacts.	^	-	
Mixed flowing gas corrosion		Test temperature : $+25\pm1$ °C, Relative humidity : 75 ± 3 % H ₂ S : 10 ± 5 ppb, NO ₂ : 200 ± 50 ppb Cl ₂ : 10 ± 5 ppb, SO ₂ : 200 ± 20 ppb Leave the samples for 4 days with mated. The same is performed with unmated samples. (IEC 60512, method 4)			 Resistance: contact : 80 mΩ max. shield : 100 mΩ max. No damage, cracks or looseness of parts. 			
Note QT:Qu	alification Tes	st AT:Assurance Test X:Applicable Test	DR	AWING NO. ELC-129413-01-00				
	SPECIFICATION SHEET			NO.	IX80G-B-10P(01)			
RS			17411	110.			2/:	

