	PLICABLE STAN		iperature	IEC 61076-3-124			Temperature					
_		Range				Range			-30°C TO +60°C(95%RH max) (note1)			
Ra	ating			50 V AC / 60 V DC		С	urrent		1.5 A/pin (all pin) 3 A/pin (pin No.1,2,6,7)			
				SPEC	IFICA		S		5 A/piii (piii 140.1,2,0	,,,,		
	<u></u> .гт			TEST METHOD					IREMENTS	QT	۸-	
0		EM UCTION					Г			QI	A	
General Examination			Examined visually and with a measuring instrument.				According to drawing.			Х	X	
Marking			Confirmed visually.			Ad	According to drawing.			Х	X	
ELE		C CHARA		STICS							1	
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.				00 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 46	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			x	_	
Far end Crosstalk			Measured	Measured in the range of 1 to 500 MHz.				 75 dB, the requirement shall revert to 75 dB.) 83.1 – 20log(f) dB min. (Whenever the formula results in a value greater than 			_	
Transverse Conversion Loss			Measured in the range of 1 to 500 MHz.			68	 75 dB, the requirement shall revert to 75 dB.) 68 – 20log(f) dB min. (Whenever the formula results in a value greater than 			x x	_	
Transverse Conversion Transfer Loss			Measured in the range of 1 to 500 MHz.			68 (V)	 50 dB, the requirement shall revert to 50 dB.) 68 – 20log(f) dB min. (Whenever the formula results in a value greater than 50 dB, the requirement shall revert to 50 dB.) 				_	
MEC	CHANI	CAL CHA	RACTER	ISTICS		ວເ) ав, trie requ	irement	shall reven to 50 dB.)			
	on And V	Vithdrawal	A maximum rate of 50 mm/min. Measured by applicable connector.				Insertion force 25 N max. Withdrawal force 25 N max.			Х	-	
Mechanical Operation			5000 times insertions and extractions. Mating speed : 10 mm/s max. Rest : 5s, min.(unmated)			c s	1) Resistance: Contact : 80 mΩ max. Shield : 100 mΩ max. 2) No damage, cracks or looseness of parts.			x	-	
Vibration		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	-		
(COUN	T DES		N OF REVISIONS	1	DESIGN	IED		CHECKED	DA	TE	
$\overset{3}{\wedge}$	1		DIS-E	-00001800		JY.IG/	٩		KI.NAGANUMA		01810 5	
Note										20170324 20170324		
		erwise spe	ecified, refer to IEC 60512.				DESIG	NED	KI.NAGANUMA HT.SATO	2017	'032	
					est	יסח	DRAWN HT.SATO RAWING NO. ELC-129419-0		2017 ೧_೧(
											,	
	RS	SPECIFIC	CATION S	SHEET		PART N	IO.	IX:	30G-A-10S-CV(/())		

ITEM	1	ONS	1	1
	TEST METHOD	REQUIREMENTS	QT	A
retting Corrosion	490 m/s ² , 30 times/min at 1000 times.	 No electrical discontinuity of 1μs. No damage, cracks or looseness of parts. 	x	-
Shock	Subject mated specimens to 300 m/s ² half-sine shock pul- of 11 milliseconds duration, 3 shocks in both directions of mutually perpendicular directions (totally 18 shocks)	es 1) No electrical discontinuity of 1µs.	х	-
ock 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	-
Vrenching Strength	Applying 25times of 30 N 1s for 2 axis direction on tip of p case in state in fitted with applicable connector.	ug No damage, cracks or looseness of parts.	x	-
ENVIRONMENTAL	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 minutransition between temperatures.	 te 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) 	x	-
		4) No damage, cracks or looseness of parts.		┢
łumidity / Temperature 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)	 Resistance: Contact : 80 mΩ max. Shield : 100 mΩ max. Insulation resistance: 500 MΩ min. (at dry) No damage, cracks or looseness of parts. 	X	_
Damp Heat, Steady State	Subject mated specimens to a relative humidity of 93 % a temperature of 40°C during 21 days.	 a 1) Resistance: Contact : 80 mΩ max. Shield : 100 mΩ max. 2) Insulation resistance: 500 MΩ min. (at dry) 3) No damage, cracks or looseness of parts. 	X	-
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. 	Х	-
Cold	Subject to -55 \pm 3 °C, 10 days. (mating applicable connector)	 No damage, cracks or houseness of parts. Resistance: Contact : 80 mΩ max. Shield : 100 mΩ max. Insulation resistance: 500 MΩ min. (at dry) No damage, cracks or looseness of parts. 	X	-
Corrosion Salt Mist	Subject to 5 % salt water, 35 \pm 2 °C, 48h.	No heavy corrosion of contacts.	X	-
Aixed Flowing Gas Corrosion	(leave under unmated condition.) Test temperature : $+25\pm1$ °C, Relative humidity : 75 ± 3 $H_2S : 10\pm5$ ppb, NO ₂ : 200 ±50 ppb $Cl_2 : 10\pm5$ 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)	 % 1) Resistance: Contact : 80 mΩ max. Shield : 100 mΩ max. 2) No damage, cracks or looseness of parts. 	x	-