

## RELIABILITY TEST REPORT

TEST ITEM: 1.ELECTRICAL

2.MECHANICAL

3.ENVIRONMENTAL

SERIES NO.: CH11\*\*2SA01-NH

TEST EQUIPMENT: 1.INSERTION & REMOVAL APPARATUS

2.ELECTRONIC MEASURING APPARATUS

3.ENVIRONMENTAL APPARATUS

DATE OF TESTING: 2/23-2010

TEST DEPART: RD

TESTER: Wandy

**CONTAINT: ATTACHED** 

Ja-Mo /23-10' APPROVED: Jeno / VERIFIED: Wandy



## 1. ELECTRICAL PERFORMANCE:

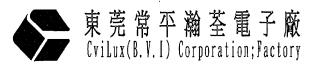
	ITEM	TEST CONDITION	REQUIREMENT	TES	ST RESULT
1-1	Contact Resistance	Dry circuit of DC 20mV	Less than 20mΩ	Sample	20mΩ Max.
		max.,100mA max.		1	6.22 mΩ
				2	6.18 mΩ
				3	7.15 mΩ
				4	6.47 mΩ
				5	7.01 mΩ
1-2	Dielectric strength	When applied AC1000V 1	No Change	Sample	1000V 1 minute
		minute between adjacent terminal		1	
		lemma		2	PASS
				3	PASS
				4	PASS
				5	PASS
1-3	Insulation resistance	When applied DC 500 V	More than 1000 M $\Omega$	Sample	$1000~\mathrm{M}\Omega$ min.
,		between adjacent terminal or ground		1	∞
		or ground		2	∞
				3	$\infty$
				4	∞
				5	∞

## 2.MECHANICAL PERFORMANCE:

	ITEM	TEST CONDITION	REQUIREMENT	TEST RESULT	
2-1	2-1 Pin retention force Push pin from insulator base at speed 25±3mm per minute	More than 0.8Kgf	Sample	0.8Kgf min.	
		at speed 25±3mm per minute		1	1.117
;				2	1.254
				3	1.009
			5	4	1.146
				5	1.038

## 3.ENVIRONMENTAL PERFORMANCE:

	ITEM	TEST CONDITION	REQUIREMENT	TEST RESULT	
3-1	Solderability Soldering time:3±0.5 sec. Minimum:	Minimum:	Sample	90% of immersed area.	
		Soldering pot: 245±5℃ 90% of immersed		1	PASS
			area	2	PASS
				3	PASS
			5	4	PASS
				5	PASS



I	Resistance to soldering heat	max.	Appearance: No damage	Sample	No damage
				1	PASS
		Soldering pot: 260°C		2	PASS
				3	PASS
				4	PASS
				5	PASS
3-3	Heat aging	105±2℃ , 96 hous	Appearance: No damage	Sample	No damage
				1	PASS
				2	PASS
	•		-	3 .	PASS
				4	PASS
				5	PASS
3-4	Humidity	40±2°C,90~95RH,96 Hours	Aappearance:	Sample	No damage
		measurement must be taken within 30 min. after tested	No damage	1	PASS
				2	PASS
				3	PASS
	Ì			4	PASS
			,	5	PASS
			Contact resistance: Less than twice of initial	Sample	<twice initial<="" of="" td=""></twice>
				1	6.31 mΩ
				2	6.27 mΩ
				3	7.21 mΩ
		(		4	6.62 mΩ
				5	7.12 mΩ
			Dielectric strength:	Sample	Pass para 1-2
			To pass para 1-2	1	PASS
				2	PASS
				3	PASS
				4	PASS
				5	PASS
3-5	Temperature cycling	One cycle consists of:	Appearance : No damage	Sample	No damage
		(1) -55 +0/-3 °C, 30 min.		1	OK
		(2) Room temp. 10-15 min.		2	OK
		(3)85 +0/-3 °C, 30 min.		3	OK
		(4) Room temp. 10-15 min.		4	OK
				5	OK

			Contact resistance: Less than twice of initial	Sample	< twice of initial
				1	6.25mΩ
}				2	6.28mΩ
				3	7.23mΩ
				4	6.52mΩ
				5	7.15mΩ
3-6	Salt spray	Temperature:35±3°C	Appearance:	Sample	No damage
		Solution:5±1%	No damage	No damage 1	PASS
		Spray time:48±4hours		2	PASS
		Measurement must be taken After water rinse		3	PASS
				4	PASS
				5	PASS
			Contact resistance:	Sample	< twice of initial
	·		Less than twice of initial	1	6.31mΩ
			Initial	2	$6.27 \mathrm{m}\Omega$
}				3	7.32mΩ
				4.	6.56mΩ
				5	7.12mΩ