RELIABILITY TEST REPORT

TEST ITEM: 1.ELECTRICAL

2.MECHANICAL

3.ENVIRONMENTAL

SERIES NO.: CH31 · CH81 2.54mm PIN HEADER

TEST EQUIPMENT: 1.INSERTION & REMOVAL APPARATUS

2.ELECTRONIC MEASURING APPARATUS

3.ENVIRONMENT ALAPPARATUS

DATE OF TESTING:

TEST DEPART: R & D

TESTER: Sun.Kuo

CONTAINT: ATTACHED

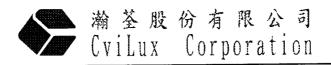


REVIEWED: MAPPROVED: DAVID 19/20 5 VERIFIED: Sun



1.ELECTRICAL PERFORMANCE:

entact resistance	Dry circuit of DC 20mV max.,100mA max.	Less than 20 m Ω	N 1 2 3 4 5 1	20 mΩ max. 6.90 6.99 7.35 7.39 7.58 RoHS
			1 2 3 4 5	6.90 6.99 7.35 7.39 7.58
			2 3 4 5	6.99 7.35 7.39 7.58
			3 4 5	7.35 7.39 7.58
			4 5	7.39 7.58
			5	7.58
			1	RoHS
			1	
				6.31
		1	2	3.21
			3	7.11
			4	7.48
			5	6.80
alasteia atnomath	When applied AC 1500V 1	No Change	Sample	1500 V 1 minute
electric strength	When applied AC 1500V 1 minute between adjacent	140 Change	Non RoHS	
	terminal		1	OK
	terminar		2	OK
			3	OK
			4	OK
			5	OK
			RoHS	
			1	OK
			2	OK
•			3	OK
			4	OK
			5	OK
1-41	When applied DC 500 V	More than 1000 MΩ	Sample	1000 MΩ min.
ulation resistance	between adjacent terminal or ground	Wiole than 1000 Wisz	Non RoHS	
			1	$10x10^6$
			2	10x10 ⁶
			3	10x10 ⁶
			י כו	
				IUXIU
			4	$\frac{10 \times 10^6}{10 \times 10^6}$
				10x10 ⁶
			4	10x10 ⁶ RoHS
			4 5 1	10x10 ⁶ RoHS 10x10 ⁶
			4 5 1 2	10x10 ⁶ RoHS 10x10 ⁶ 10x10 ⁶
			4 5 1	10x10 ⁶ RoHS 10x10 ⁶
				5



2. MECHANICAL PERFORMANCE:

	ITEM	TEST CONDITION	REQUIREMENT	TES	T RESULT
2-1	Pin retention force	Push pin from insulator base	More than 0.8 Kgf	Sample	0.8Kgf min.
		at speed		Non RoHS	
	(Before Solderability)	,		1	2.212
		25± 3 mm per minute	:	2	2.101
				3	1.772
				4	1.622
				5	1.720
				RoHS	
				1	1.750
				2	1.868
				3	2.391
				4	2.194
				5	2.089
2-2	Pin retention force	Push pin from insulator base at speed 25± 3 mm per minute	0.2Kgf (Ref.)	Non RoHS	
	(After Solderability)			1	0.211
	(After Solderability)			2	0.156
				3	0.117
				4	0.089
				5	0.084
					RoHS
				1	0.190
				2	0.212
				3	0.198
		·		4	0.191
				5	0.184

3 ENVIRONMENTAL PERFORMANCE:

	ITEM	TEST CONDITION	REQUIREMENT	TEST RESULT	
3-1		Soldering time:5±0.5°C	90% of immersed area	Sample	90%↑
3-1	Solderability	second		Non RoHS	
			1	OK	
		Soldering Pot:230±5°C		2	OK
				3	OK
				4	OK
				5	OK
					RoHS
				1	OK
				2	OK
				3	OK
				4	OK
				5	OK

	ITEM	TEST CONDITION	REQUIREMENT	TES	T RESULT
3-2	Heat aging	105± 2°C, 96 hours	No damage	Sample	No damage
J- <u>2</u>	Tical aging	1002 2 0, 70 110015	3-	Non RoHS	
				1	OK
				2	OK
		1		3	OK
	,			4	OK
				5	OK
					RoHS
				1	OK
				2	OK
				3	OK
			·	4	OK
				5	OK
3-3	Insulation resistance	When applied DC 500 V	Contact resistance:	Sample	$40 \text{ m}\Omega \text{ max}.$
3-3	Insulation resistance	between adjacent terminal	Less than twice of	Non RoHS	
		or ground	initial	1	6.26
		or ground		2	6.09
				3	6.06
				4	6.28
				5	6.60
					RoHS
				1	6.91
				2	6.70
				3	6.50
*	,			4	6.80
				5	6.40
			Dielectric strength:	Sample	1500V 1 minute
			To pass para 1-2		on RoHS
•				1	OK
				2	OK
				3	OK
				4	OK
				5	OK
					RoHS
				1	OK
				2	OK
				3	OK
				4	OK
				5	OK
				<u> </u>	<u> </u>