瀚荃股份有限公司
CviLux Corporation

ENGINEERING DEPT.	PRODUCT SPECIFICATION For 1.50 mm (.059″) Pin Header of System CH17	SPEC.NO.: SPCH0591 PAGE: 1/3

1. SCOPE:
This specification contains the test requirement of subject pin headers when tested under the condition and below standards base on CviLux test procedure

2. APPLICABLE STANDARDS:

MIL - STD - 202	Methods for test of connectors for electronic equipment
MIL - STD - 1344	Test methods for electrical connectors
JIS - C - 5402	Methods for test of connectors for electronic equipment
UL 94	Test for flammability of plastic materials for parts in devices and appliance
J-STD-020	Resistance to soldering Temperature for through hole Mounted Devices
SS-00254	Test methods for electronic components ,LEAD-FREE soldering Part design standards

3. APPLICABLE SERIES NO.: **CH17 SERIES**

4. SHAPE, CONSTRUCTION AND DIMENSIONS
See attached drawings

5. MATERIALS
See attached drawings

6. MATERIALS
(P.C. Board on which the Pin Header are installed), 0.8 mm (.031″) ~ 1.6 mm (.063″)

CVILUX CORP
2015.02.26
ISSUED

REVIEWED : David APPROVED : Eisley VERIFIED : Denis .

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7. ELECTRICAL PERFORMANCE:

	ITEM	TEST CONDITION	
7.1	Rated current		3A 250 V AC/DC (r.m.s)
7.2	Dielectric strength	When applied AC 1000 V 1minute between adjacent terminal	No change
7.3	Insulation resistance	When applied DC 500 V between adjacent terminal or ground	More than 5000 MΩ

8. MECHANICAL PERFORMANCE:

	ITEM	TEST CONDITION	REQUIREMENT
8.1	Pin retention force	Push pin from insulator base at speed 25± 3 mm per minute	More than 0.4 kgf

9. ENVIRONMENTAL PERFORMANCE:

	ITEM	TEST CONDITION	REQUIREMENT
9.1	Solder ability	Soldering time: 3 ± 0.5 second Soldering pot: 240 ± 5°C	Minimum: 95% of immersed area
9.2	Resistance to soldering heat	Lead-Free Process for SMT Type: Refer Reflow temperature profile(11-1)	No damage
9.3	Heat aging	105± 3°C, 96 hours	Appearance: No damage
9.4	Cold Resistance	-40± 3°C, 96 hours	Appearance: No damage
9.5	Temperature cycling	5 cycle consists of : (1) -40^{+0}_{-3} °C , 30 min. (2)Room temp. 10-15 min. (3) 105^{+3}_{-0} °C , 30 min. (4)Room temp. 10-15 min.	Appearance: No damage
9.6	Salt spray	Temperature: 35± 2°C Solution: 5± 1% Spray time: 6± 1 hours Measurement must be taken after water rinse	Appearance: No damage

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10. AMBIENT TEMPERATURE RANGE：-40 to + 105°C

11. Recommended IR Reflow Temperature Profile:
11-1 Using Lead-Free Solder Paste