

SOLDERABILITY TEST REPORT

Company : SYNC POWER CORP.

Sample Name : SP6013A

Date Received : AUG 29, 2008

Date Finished : AUG 29, 2008

TESTING LABORATORY IS ACCREDITED BY:

IEC/IECQ 17025 certificate of independent test laboratory approval

Certificate No. : T1091

ISO 17025 accredited in respect of laboratory is approved by TAF

Certificate No. : L0835-060321

ISO 9001 certificate is approved by TUV CERT certification body of TUV NORD Cert GmbH

WE HEREBY CERTIFY THAT:

The test(s) shown in the attachment were conducted according to the indicating procedures. We assume full responsibility for the accuracy and completeness of these tests and vouch for the qualifications of all personnel performing them.

	Name	Signature	Date
Test Engineer	Jack Tsai	<i>Jack Tsai</i>	SEP 02, 2008
Manager	HK Hsieh	<i>HK Hsieh</i>	SEP 02, 2008

Note :

1. This report will be invalid if reproduced in whole or in part.
2. This report refers only to the specimen(s) submitted to test, and is invalid if used separately.
3. This report is ONLY valid with the examination seal and signature of this institute.
4. The tested specimen(s) will only be preserved for thirty days from the date issued, if not collected by the applicant.

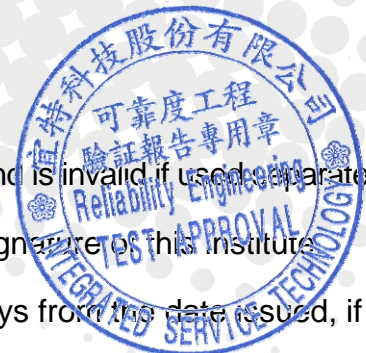




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1. GENERAL INFORMATION

1.1 DESCRIPTION OF UNIT

MANUFACTURER : SYNC POWER CORP

SAMPLE NAME : SP6013A

SAMPLE QUANTITY : 5 EA

1.2 UNIT TESTING SETUP

SEE ATTACHMENT 1

2. SOLDERABILITY TEST

2.1 DESCRIPTION OF TEST EQUIPMENT

Test Equipment	Serial Number	Calibration Date
RHESCA SAT-5100	627000017	MAY 07, 2008

2.2 LABORATORY AMBIENCE CONDITION

Temperature : $25^{\circ}\text{C} \pm 5^{\circ}\text{C}$

Relative humidity : $55\% \pm 10\%$ RH

2.3 REFERENCE DOCUMENT

The test refers to JESD22-B102D test method

2.4 TEST CONDITION

Procedure 1: Flux Immersion

Flux : Conform to type ROL1 of J-STD-004(activated rosin flux having a composition of $25\% \pm 0.5\%$ by weight of colophony and $0.15\% \pm 0.01\%$ by weight diethylammonium Hydrochloride (CAS 660-68-4), in $74.85\% \pm 0.5\%$ by weight of isopropyl alcohol).

Flux Immersion Time : 5 seconds~10 seconds

Procedure 2: Solder Immersion

Wetting Temperature : $245^{\circ}\text{C} \pm 5^{\circ}\text{C}$

Wetting Time : 5 ± 0.5 seconds

Solder pot : 96.5%Sn, 0.5%Cu, 3.0%Ag

Immersion / Emersion Rate : 25mm/s

2.5 TEST RESULTS

Criteria: Wetting Area > 95%.

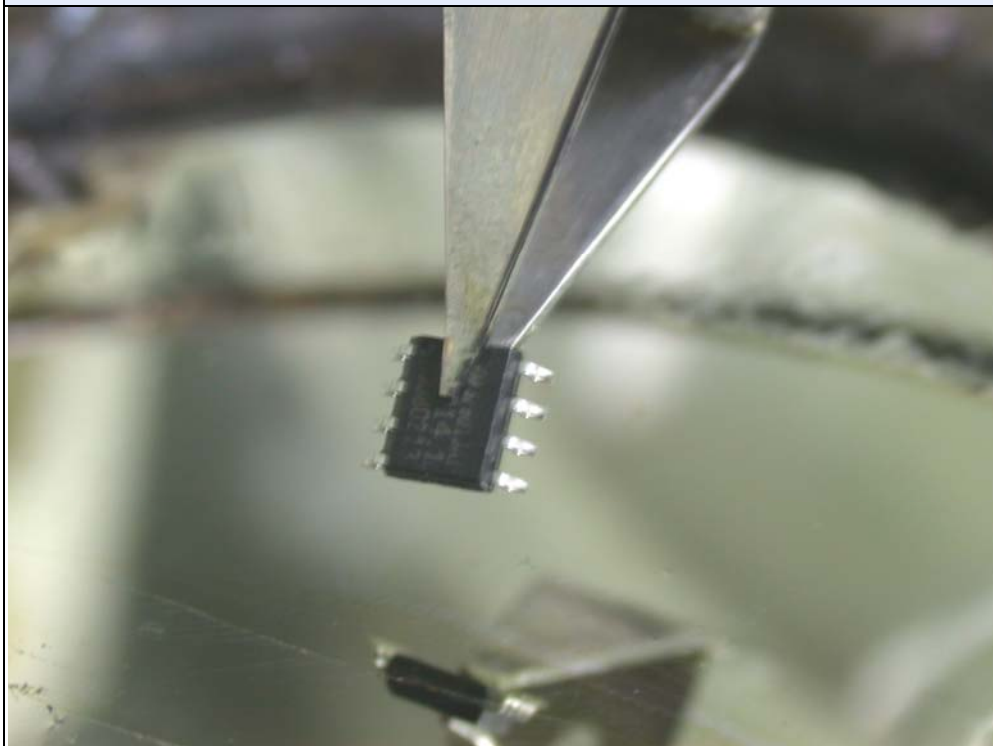
Fig No.	Solder Qty	Fail Qty	Result
Fig 3	5	0	ACCEPTABLE

Attachment 1 : Photo of Solderability test

Fig.1: Equipment of solderability



Fig.2: Solderability testing



Attachment 2 : Photo of units after testing

SP6013A

Fig.3 Acceptable Condition

