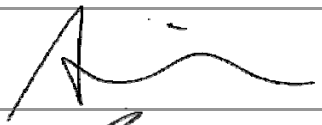
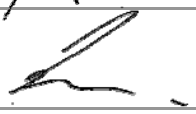
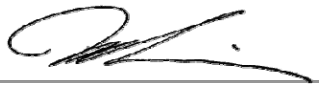
Headquarter Address:
8F.No.33, Lane 155, Sec.3, Bei-Shen Rd.,
Shen Keng Dist, New Taipei City, Taiwan
TEL: +886-2-26620988
FAX: +886-2-26620488

Product/Process Change Notification

PCN#	Effective Date	Issue Date
2014-08-01C-14	2015/2/1	2014/8/1
PCN Classification	**Product Category**	
Major	SOD-323 Package	
Subject		
Add a molding vendor		
Affected Product(s)		
As attachment		
Description of Change(s)		
In order to avoid shortage of the material, and enhance the speed of delivery, thus, we add a new vendor.		
Content of Change(s)		
Add Molding vendor--ELER-8-100HFE		
Impact(s)		
N/A		
Attachment(s)		
Reliability Teat Report.		

Approval		
Issue by	Alice Lai	e-mail: alice@secosgmbh.com
Development Engineer		Alice Lai
QA Manager		Peter Yang
General Manger		Mathew Liu

For more information, please contact us directly or visit our website http://www.secosgmbh.com

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Affected Product

SCS0520V	SCS4148WS
SCS0530V	BAS16H
SCS0540V	SCS4448WS
SCS0560V	BAS116WS
SCS05100V	BAS316
SCS120V	BAV19WS
SCS130V	BAV20WS
SCS140V	BAV21WS
SCS160V	BAP50W-03
SCS1100V	SD03
BAT60B	SD03CL
SD103CWS	SD05
SD107WS	SD05C
BAT42WS	SD05CL
BAT43WS	SD08CL
SD106WS	SD12
SCS551V-30	SD12CL
SD103BWS	SD15
BAT54H	SD15CL
SCS751V-40	SD24CL
SD101CWS	MM3Z SERIES
SCS500V-40	MMSZ52XXBS Series
SCS501V-40	
BAS40WS	
SD103AWS	
SD101BWS	
SD101AWS	
BAS70WS	
SCS5711WS	
BAV16WS	

SeCoS Corporation

Reliability Testing Summary Report

Date: 2014/06/30 Document No.: SH14 -06- 32

Test Item	P/N	Test Condition	(LTPD)	Sample Numbers	Allow Fall Numbers	Fall Numbers	Result
HTRB High Temp Reverse Bias	SCS140V	100 ± 5℃, 100%VR, T = 1000hrs		77	0	0	ACC
HTSL High Temperature Storage Life	SCS140V	150℃, T = 1000 hrs		77	0	0	ACC
PCT Pressure Cooker Test	SCS140V	121℃, 29.7PSIG, 168 hrs		77	0	0	ACC
TCT Temperature Cycle Test	SCS140V	-55℃/30min, 150℃/30min, For 1000 Cycle		77	0	0	ACC
THT High Temperature High Humidity Test	SCS140V	85 ± 2℃, RH=85±5%, 1000 hrs		77	0	0	ACC
H3TRB High Temper High Humidity Reverse Bies Test	SCS140V	85 ± 2℃, RH=85±5%, 1000 hrs		77	0	0	ACC
Solderability	SCS140V	245 ± 5℃, 5Sec the inspected area of each lead must have 95% solder coverage minimum		10	0	0	ACC

Judgment:

■ **qualified** □ **unqualified**

Testing Start Date: 2014.05.05 Testing End Date: 2014.06.30

Tester: Leo Hsia Approval: Peter Yang

SeCoS Corporation

Electrical Test Data

Report No : T140630-032
Part No : SCS140V
Test Equipment: JUNO Test System DTS-1000
Test Condition : VF<520mV@IF=1A, VB>40V@I=1mA, IR<100uA@VR=40V
Test Condition: 25℃
Test Date: 2014.05.05 ~ 2014.05.05
Test Standard : Specifications
Operator: Leo Hsia

Test Result: PASS

No	VF (mV)	VB (V)	IR (uA)
1	499.1mV	52.85V	16.45uA
2	499.7mV	52.61V	19.59uA
3	493.8mV	51.36V	16.37uA
4	499.2mV	52.37V	17.12uA
5	499.9mV	50.93V	18.42uA
6	499.3mV	51.05V	18.79uA
7	492.6mV	52.22V	18.64uA
8	491.2mV	52.50V	18.56uA
9	496.3mV	52.98V	20.01uA
10	496.0mV	52.13V	15.43uA
11	496.1mV	52.36V	19.06uA
12	493.9mV	49.97V	16.92uA
13	490.7mV	52.54V	18.89uA
14	493.5mV	52.90V	18.32uA
15	492.4mV	51.14V	18.66uA
16	498.0mV	52.52V	16.38uA
17	489.7mV	52.06V	17.83uA
18	489.6mV	49.72V	19.18uA
19	490.0mV	51.18V	14.92uA
20	495.4mV	50.09V	14.74uA
21	496.2mV	51.74V	17.54uA
22	497.2mV	49.68V	18.15uA
23	497.9mV	52.12V	14.83uA
24	490.9mV	49.49V	19.00uA
25	494.9mV	52.06V	17.47uA
26	494.0mV	50.58V	14.63uA
27	500.4mV	51.50V	16.81uA
28	490.7mV	50.72V	19.36uA
29	498.9mV	51.27V	16.96uA
30	490.4mV	53.02V	15.01uA
31	499.8mV	51.87V	15.12uA

SeCoS Corporation

Electrical Test Data

Report No : T140630-032
Part No : SCS140V
Test Equipment: JUNO Test System DTS-1000
Test Condition : VF<520mV@IF=1A, VB>40V@I=1mA, IR<100uA@VR=40V
Test Condition: 25℃
Test Date: 2014.05.05 ~ 2014.05.05
Test Standard : Specifications
Operator: Leo Hsia

Test Result: PASS

No	VF (mV)	VB (V)	IR (uA)
32	496.8mV	50.90V	15.41uA
33	497.1mV	51.19V	18.17uA
34	495.9mV	52.69V	15.80uA
35	490.1mV	52.09V	17.96uA
36	498.5mV	50.19V	19.63uA
37	499.7mV	50.56V	17.89uA
38	490.7mV	52.00V	19.28uA
39	493.8mV	52.69V	14.77uA
40	489.3mV	50.84V	19.59uA
41	498.4mV	51.69V	16.43uA
42	499.4mV	49.90V	18.22uA
43	492.1mV	49.76V	16.69uA
44	498.4mV	52.99V	17.54uA
45	496.0mV	50.51V	17.22uA
46	492.6mV	50.30V	16.70uA
47	497.0mV	52.20V	15.47uA
48	493.7mV	52.26V	16.91uA
49	498.8mV	51.61V	15.02uA
50	490.3mV	51.04V	16.31uA
51	500.2mV	52.76V	16.29uA
52	493.2mV	52.34V	16.67uA
53	497.8mV	50.79V	15.06uA
54	498.1mV	51.18V	16.48uA
55	499.8mV	52.65V	17.55uA
56	492.5mV	49.68V	16.44uA
57	491.9mV	51.10V	17.35uA
58	494.4mV	51.58V	16.00uA
59	493.0mV	49.83V	19.78uA
60	492.0mV	50.10V	18.93uA
61	498.5mV	50.46V	18.86uA
62	499.5mV	51.15V	17.17uA

SeCoS Corporation

Electrical Test Data

Report No : T140630-032
Part No : SCS140V
Test Equipment: JUNO Test System DTS-1000
Test Condition : VF<520mV@IF=1A, VB>40V@I=1mA, IR<100uA@VR=40V
Test Condition: 25℃
Test Date: 2014.05.05 ~ 2014.05.05
Test Standard : Specifications
Operator: Leo Hsia

Test Result: PASS

No	VF (mV)	VB (V)	IR (uA)
63	494.2mV	50.49V	16.36uA
64	492.6mV	51.15V	16.31uA
65	490.6mV	50.02V	17.87uA
66	494.0mV	50.22V	18.85uA
67	494.3mV	49.89V	17.20uA
68	495.3mV	51.90V	18.93uA
69	492.0mV	52.03V	16.32uA
70	492.5mV	49.51V	18.78uA
71	492.9mV	51.84V	15.68uA
72	494.0mV	50.30V	15.20uA
73	491.6mV	50.07V	16.52uA
74	495.1mV	51.68V	15.43uA
75	497.1mV	51.21V	16.20uA
76	495.7mV	51.26V	18.90uA
77	499.6mV	51.64V	17.77uA

Made By: Leo Hsia

Approval: Peter Yang

SeCoS Corporation

High Temperature Reverse Bias Test Data

Report No : T140630-032
Part No : SCS140V
Test Equipment: JUNO Test System DTS-1000
Test Condition : VF<520mV@IF=1A, VB>40V@I=1mA, IR<100uA@VR=40V
Test Condition: 100 ± 5℃, 100%VR, T = 1000 hrs
Test Date: 2014.05.05 ~ 2014.06.15
Test Standard : JESD22 STANDARD Method-A108
Operator: Leo Hsia

Test Result: PASS

	Before			After		
No	VF (mV)	VB (V)	IR (uA)	VF (mV)	VB (V)	IR (uA)
1	497.7mV	52.60V	17.60uA	493.5mV	51.80V	18.68uA
2	500.2mV	52.06V	15.45uA	490.6mV	52.64V	15.27uA
3	492.6mV	51.70V	18.30uA	497.6mV	51.09V	19.30uA
4	498.8mV	50.71V	17.39uA	491.0mV	49.68V	18.71uA
5	497.1mV	50.99V	14.64uA	496.2mV	51.33V	14.92uA
6	499.7mV	49.50V	19.35uA	493.5mV	50.80V	19.38uA
7	495.0mV	51.06V	16.74uA	496.4mV	50.39V	18.81uA
8	490.8mV	49.91V	15.79uA	499.5mV	49.86V	17.69uA
9	494.0mV	51.59V	19.63uA	495.2mV	50.80V	18.71uA
10	495.2mV	49.58V	16.69uA	498.7mV	51.28V	15.01uA
11	491.5mV	51.03V	18.30uA	492.1mV	50.17V	18.18uA
12	497.6mV	50.27V	19.32uA	495.7mV	50.58V	15.48uA
13	498.3mV	50.51V	18.76uA	500.2mV	50.38V	19.54uA
14	492.8mV	51.32V	15.61uA	495.5mV	51.40V	16.55uA
15	495.0mV	51.13V	19.99uA	494.5mV	52.84V	16.88uA
16	489.3mV	50.40V	17.02uA	496.2mV	51.67V	19.84uA
17	497.1mV	51.84V	18.69uA	498.1mV	51.88V	19.47uA
18	500.3mV	51.65V	16.02uA	500.1mV	53.05V	16.39uA
19	495.7mV	50.31V	16.97uA	490.1mV	50.06V	19.06uA
20	492.3mV	50.17V	17.00uA	499.3mV	51.82V	19.82uA
21	492.6mV	49.73V	15.78uA	493.1mV	52.11V	15.75uA
22	500.3mV	51.21V	18.75uA	491.9mV	50.94V	17.45uA
23	497.2mV	50.49V	18.89uA	492.6mV	50.29V	19.18uA
24	494.1mV	49.63V	14.95uA	496.7mV	51.32V	16.32uA
25	492.7mV	51.72V	19.92uA	491.1mV	50.94V	15.27uA
26	490.7mV	50.37V	15.93uA	492.4mV	50.28V	19.10uA
27	496.1mV	50.42V	16.04uA	489.8mV	49.80V	17.42uA
28	493.9mV	51.95V	15.59uA	490.7mV	50.78V	18.20uA
29	495.3mV	52.63V	16.06uA	496.8mV	50.07V	15.10uA
30	490.9mV	51.46V	14.69uA	493.5mV	50.44V	16.59uA

SeCoS Corporation

High Temperature Reverse Bias Test Data

Report No : T140630-032
Part No : SCS140V
Test Equipment: JUNO Test System DTS-1000
Test Condition : VF<520mV@IF=1A, VB>40V@I=1mA, IR<100uA@VR=40V
Test Condition: 100 ± 5℃, 100%VR, T = 1000 hrs
Test Date: 2014.05.05 ~ 2014.06.15
Test Standard : JESD22 STANDARD Method-A108
Operator: Leo Hsia

Test Result: PASS

	Before			After		
No	VF (mV)	VB (V)	IR (uA)	VF (mV)	VB (V)	IR (uA)
31	500.1mV	50.55V	15.88uA	495.9mV	49.61V	18.79uA
32	491.4mV	51.82V	15.77uA	491.6mV	49.85V	17.55uA
33	493.3mV	50.07V	15.34uA	495.8mV	52.74V	16.53uA
34	489.4mV	53.09V	17.09uA	497.2mV	50.42V	19.92uA
35	491.0mV	52.10V	16.56uA	493.3mV	50.33V	14.59uA
36	497.9mV	49.80V	18.11uA	500.0mV	49.53V	15.96uA
37	498.9mV	50.85V	16.55uA	495.8mV	51.14V	16.70uA
38	491.9mV	50.53V	18.51uA	498.0mV	50.82V	15.23uA
39	496.4mV	50.18V	15.08uA	495.8mV	52.65V	15.82uA
40	496.5mV	51.51V	15.02uA	489.5mV	52.35V	14.69uA
41	496.5mV	50.36V	16.00uA	494.8mV	49.87V	17.27uA
42	498.1mV	52.33V	18.76uA	491.8mV	50.42V	18.01uA
43	493.0mV	49.91V	16.61uA	493.3mV	52.16V	17.13uA
44	493.0mV	49.67V	16.80uA	492.5mV	51.48V	15.39uA
45	497.3mV	51.81V	18.05uA	491.6mV	50.44V	17.60uA
46	491.9mV	52.65V	18.56uA	498.0mV	50.42V	18.63uA
47	489.9mV	50.77V	18.52uA	489.4mV	51.39V	16.66uA
48	495.4mV	52.08V	15.63uA	490.2mV	49.58V	18.12uA
49	500.1mV	50.15V	15.70uA	493.6mV	49.61V	16.42uA
50	491.8mV	51.86V	19.52uA	492.4mV	49.98V	14.89uA
51	490.7mV	51.44V	17.09uA	498.4mV	52.92V	15.97uA
52	497.7mV	51.63V	16.61uA	499.8mV	49.81V	19.30uA
53	491.4mV	49.93V	15.45uA	494.0mV	52.68V	17.30uA
54	499.5mV	51.75V	15.42uA	494.0mV	51.93V	16.41uA
55	493.7mV	52.08V	18.79uA	498.0mV	52.32V	14.75uA
56	490.8mV	52.41V	15.83uA	492.9mV	51.64V	14.59uA
57	493.8mV	51.95V	14.81uA	497.9mV	50.72V	18.72uA
58	494.7mV	52.95V	18.11uA	498.5mV	52.21V	16.89uA
59	495.7mV	49.79V	15.04uA	492.4mV	52.91V	19.21uA
60	489.7mV	52.31V	19.98uA	495.4mV	51.62V	16.98uA

SeCoS Corporation

High Temperature Reverse Bias Test Data

Report No : T140630-032
Part No : SCS140V
Test Equipment: JUNO Test System DTS-1000
Test Condition : VF<520mV@IF=1A, VB>40V@I=1mA, IR<100uA@VR=40V
Test Condition: 100 ± 5℃, 100%VR, T = 1000 hrs
Test Date: 2014.05.05 ~ 2014.06.15
Test Standard : JESD22 STANDARD Method-A108
Operator: Leo Hsia

Test Result: PASS

	Before			After		
No	VF (mV)	VB (V)	IR (uA)	VF (mV)	VB (V)	IR (uA)
61	497.7mV	50.40V	15.82uA	493.4mV	52.92V	17.96uA
62	493.9mV	52.47V	17.23uA	493.0mV	50.58V	18.35uA
63	500.3mV	52.08V	19.38uA	490.2mV	52.38V	17.70uA
64	489.8mV	50.25V	14.79uA	496.9mV	52.35V	15.64uA
65	491.4mV	50.24V	17.54uA	498.7mV	50.69V	16.23uA
66	492.9mV	51.89V	19.89uA	496.3mV	51.25V	15.92uA
67	489.6mV	50.00V	14.94uA	492.7mV	52.21V	16.02uA
68	496.0mV	51.94V	16.15uA	493.2mV	50.30V	18.24uA
69	490.6mV	52.34V	15.21uA	493.7mV	49.80V	16.42uA
70	494.8mV	52.07V	16.09uA	490.9mV	51.01V	18.77uA
71	492.9mV	51.70V	15.11uA	492.1mV	49.97V	14.96uA
72	496.8mV	52.10V	18.97uA	489.7mV	51.24V	16.74uA
73	499.4mV	52.99V	19.80uA	491.7mV	50.39V	15.55uA
74	490.7mV	50.70V	16.92uA	495.2mV	52.65V	18.54uA
75	499.1mV	51.51V	15.20uA	493.8mV	50.21V	17.94uA
76	490.6mV	53.06V	19.62uA	493.1mV	52.42V	17.47uA
77	489.6mV	51.08V	17.03uA	493.4mV	49.86V	18.57uA

Made By: Leo Hsia

Approval: Peter Yang

SeCoS Corporation

High Temperature Storage Life Test Data

Report No : T140630-032
Part No : SCS140V
Test Equipment: JUNO Test System DTS-1000
Test Condition : VF<520mV@IF=1A, VB>40V@I=1mA, IR<100uA@VR=40V
Test Condition: 150℃, 1000Hrs
Test Date: 2014.05.05 ~ 2014.06.15
Test Standard : JESD22 STANDARD Method-A103
Operator: Leo Hsia

Test Result: PASS

	Before			After		
No	VF (mV)	VB (V)	IR (uA)	VF (mV)	VB (V)	IR (uA)
1	497.7mV	49.54V	17.60uA	494.7mV	52.68V	16.18uA
2	496.9mV	51.19V	19.25uA	499.8mV	50.21V	16.53uA
3	489.9mV	51.74V	17.64uA	492.6mV	50.50V	16.37uA
4	497.8mV	53.05V	14.78uA	497.7mV	51.92V	16.65uA
5	495.2mV	51.40V	17.37uA	494.3mV	52.74V	17.10uA
6	497.0mV	51.88V	18.22uA	492.8mV	50.00V	17.44uA
7	497.3mV	52.56V	17.70uA	497.4mV	51.48V	17.58uA
8	498.6mV	50.17V	15.52uA	495.7mV	50.06V	15.60uA
9	490.9mV	49.86V	19.96uA	490.3mV	52.50V	17.32uA
10	491.4mV	51.20V	17.57uA	495.9mV	50.00V	15.58uA
11	497.9mV	52.18V	16.75uA	496.7mV	51.38V	17.57uA
12	495.5mV	50.77V	14.61uA	492.2mV	52.46V	15.62uA
13	498.6mV	52.06V	17.40uA	493.5mV	49.54V	18.39uA
14	490.7mV	51.16V	15.80uA	493.6mV	50.23V	15.34uA
15	494.5mV	51.27V	18.55uA	490.5mV	49.56V	14.59uA
16	489.8mV	50.42V	15.16uA	497.7mV	51.35V	19.69uA
17	497.1mV	53.08V	15.64uA	495.6mV	50.31V	17.29uA
18	493.0mV	49.85V	16.80uA	496.3mV	51.09V	16.16uA
19	496.6mV	52.03V	16.71uA	495.2mV	52.36V	16.15uA
20	493.8mV	51.46V	15.80uA	489.9mV	52.91V	19.52uA
21	491.1mV	51.94V	15.75uA	494.0mV	52.45V	17.91uA
22	489.4mV	52.91V	15.40uA	500.3mV	50.06V	15.88uA
23	490.6mV	52.44V	18.76uA	499.5mV	49.80V	19.70uA
24	494.6mV	50.00V	16.60uA	496.6mV	51.06V	19.12uA
25	495.1mV	52.94V	16.98uA	492.5mV	51.03V	14.98uA
26	498.3mV	51.28V	16.39uA	499.9mV	49.72V	19.04uA
27	489.8mV	49.99V	17.33uA	498.7mV	51.34V	17.74uA
28	494.3mV	52.05V	18.85uA	497.2mV	51.78V	16.85uA
29	498.5mV	52.78V	16.26uA	497.6mV	50.26V	17.25uA
30	492.4mV	52.62V	18.09uA	494.7mV	50.53V	15.56uA

SeCoS Corporation

High Temperature Storage Life Test Data

Report No : T140630-032
Part No : SCS140V
Test Equipment: JUNO Test System DTS-1000
Test Condition : VF<520mV@IF=1A, VB>40V@I=1mA, IR<100uA@VR=40V
Test Condition: 150℃, 1000Hrs
Test Date: 2014.05.05 ~ 2014.06.15
Test Standard : JESD22 STANDARD Method-A103
Operator: Leo Hsia

Test Result: PASS

	Before			After		
No	VF (mV)	VB (V)	IR (uA)	VF (mV)	VB (V)	IR (uA)
31	498.8mV	52.81V	17.45uA	497.8mV	52.08V	15.99uA
32	494.1mV	50.31V	19.08uA	499.3mV	51.07V	15.76uA
33	500.4mV	49.55V	16.37uA	491.0mV	49.68V	16.13uA
34	497.0mV	52.01V	20.00uA	491.6mV	52.35V	17.65uA
35	492.7mV	51.40V	18.80uA	499.7mV	50.16V	19.45uA
36	500.2mV	52.32V	16.83uA	496.3mV	51.79V	17.03uA
37	495.4mV	49.86V	16.80uA	497.7mV	50.28V	18.47uA
38	493.3mV	51.91V	16.91uA	497.5mV	51.53V	14.75uA
39	491.2mV	49.76V	15.18uA	489.4mV	51.83V	19.64uA
40	496.1mV	51.17V	19.44uA	493.3mV	51.65V	18.30uA
41	496.9mV	52.09V	18.52uA	495.5mV	50.79V	19.72uA
42	495.8mV	51.85V	16.55uA	495.9mV	52.61V	15.75uA
43	489.4mV	49.82V	17.74uA	492.5mV	52.98V	16.69uA
44	492.4mV	50.73V	18.53uA	492.4mV	52.77V	14.87uA
45	498.3mV	50.30V	14.69uA	491.5mV	51.64V	16.31uA
46	495.2mV	52.55V	16.87uA	498.6mV	50.07V	15.85uA
47	498.0mV	50.24V	15.06uA	490.0mV	52.69V	18.59uA
48	500.1mV	52.39V	16.21uA	489.6mV	49.90V	18.83uA
49	494.3mV	50.00V	18.04uA	490.7mV	52.54V	18.79uA
50	496.2mV	52.98V	18.57uA	490.7mV	53.07V	17.02uA
51	491.4mV	49.90V	18.18uA	492.5mV	49.53V	16.17uA
52	497.5mV	52.46V	15.96uA	494.7mV	50.66V	15.89uA
53	489.5mV	50.37V	17.31uA	498.5mV	50.59V	15.16uA
54	493.8mV	50.70V	19.02uA	495.4mV	51.81V	19.28uA
55	496.6mV	51.00V	17.76uA	497.3mV	53.12V	16.05uA
56	495.9mV	50.43V	15.61uA	495.9mV	51.95V	18.97uA
57	494.6mV	50.65V	19.23uA	489.2mV	52.08V	16.00uA
58	499.7mV	49.57V	18.18uA	496.8mV	51.10V	17.94uA
59	495.3mV	52.21V	18.63uA	492.0mV	50.73V	19.89uA
60	492.2mV	49.58V	15.90uA	494.4mV	50.73V	19.49uA

SeCoS Corporation

High Temperature Storage Life Test Data

Report No : T140630-032
Part No : SCS140V
Test Equipment: JUNO Test System DTS-1000
Test Condition : VF<520mV@IF=1A, VB>40V@I=1mA, IR<100uA@VR=40V
Test Condition: 150℃, 1000Hrs
Test Date: 2014.05.05 ~ 2014.06.15
Test Standard : JESD22 STANDARD Method-A103
Operator: Leo Hsia

Test Result: PASS

	Before			After		
No	VF (mV)	VB (V)	IR (uA)	VF (mV)	VB (V)	IR (uA)
61	494.2mV	51.77V	14.80uA	496.1mV	51.59V	14.71uA
62	497.0mV	51.24V	18.19uA	497.7mV	51.87V	15.85uA
63	497.1mV	52.71V	15.42uA	489.9mV	52.84V	14.73uA
64	498.8mV	51.60V	15.14uA	498.0mV	51.59V	18.38uA
65	493.4mV	51.69V	16.37uA	496.7mV	52.24V	17.90uA
66	497.7mV	49.66V	16.00uA	489.3mV	49.80V	17.03uA
67	499.2mV	53.02V	18.00uA	498.1mV	52.59V	17.43uA
68	491.2mV	52.25V	18.79uA	494.2mV	51.44V	15.03uA
69	499.4mV	49.89V	15.41uA	495.4mV	51.45V	15.79uA
70	494.6mV	52.92V	16.61uA	491.6mV	51.04V	16.47uA
71	499.9mV	52.76V	19.27uA	495.7mV	50.19V	16.65uA
72	495.2mV	52.95V	17.91uA	493.0mV	49.82V	15.59uA
73	495.6mV	49.64V	15.28uA	496.4mV	50.92V	18.91uA
74	493.0mV	49.88V	19.26uA	489.7mV	51.26V	17.77uA
75	494.2mV	50.49V	19.12uA	494.3mV	51.35V	16.27uA
76	490.2mV	51.17V	17.87uA	492.2mV	50.80V	19.27uA
77	495.8mV	51.77V	16.87uA	499.1mV	51.39V	16.81uA

Made By: Leo Hsia

Approval: Peter Yang

SeCoS Corporation

Pressure Cooker Test Data

Report No : T140630-032
Part No : SCS140V
Test Equipment: JUNO Test System DTS-1000
Test Condition : VF<520mV@IF=1A, VB>40V@I=1mA, IR<100uA@VR=40V
Test Condition: 121℃, 100%RH, 29.7PSIG, 168Hrs
Test Date: 2014.05.05 ~ 2014.05.11
Test Standard : JESD22 STANDARD Method-A102
Operator: Leo Hsia

Test Result: PASS

	Before			After		
No	VF (mV)	VB (V)	IR (uA)	VF (mV)	VB (V)	IR (uA)
1	497.9mV	53.05V	16.35uA	498.6mV	53.04V	16.70uA
2	496.5mV	49.77V	15.95uA	499.9mV	50.72V	15.95uA
3	499.5mV	52.12V	15.52uA	497.1mV	52.24V	18.67uA
4	494.6mV	52.80V	19.52uA	492.3mV	50.66V	14.71uA
5	494.5mV	50.22V	17.33uA	493.4mV	50.96V	15.37uA
6	492.5mV	52.60V	15.41uA	490.3mV	50.78V	14.74uA
7	490.2mV	49.83V	15.31uA	498.5mV	50.84V	19.02uA
8	498.7mV	51.99V	17.28uA	495.0mV	49.92V	18.14uA
9	491.2mV	53.01V	19.24uA	493.2mV	52.04V	17.56uA
10	489.5mV	50.54V	19.68uA	499.1mV	49.54V	19.23uA
11	494.1mV	52.52V	19.92uA	492.5mV	51.07V	17.54uA
12	493.1mV	50.44V	17.22uA	491.9mV	51.04V	18.24uA
13	495.1mV	51.79V	16.65uA	498.5mV	53.06V	14.71uA
14	496.1mV	50.22V	15.46uA	499.9mV	50.26V	18.41uA
15	493.0mV	51.62V	18.30uA	499.5mV	52.46V	15.42uA
16	491.3mV	50.55V	19.92uA	495.3mV	50.73V	15.08uA
17	499.8mV	52.18V	16.29uA	491.7mV	51.52V	17.11uA
18	490.2mV	53.08V	17.94uA	498.0mV	50.43V	16.77uA
19	494.5mV	51.47V	17.13uA	497.3mV	52.53V	17.09uA
20	498.7mV	50.90V	18.62uA	490.7mV	51.33V	15.34uA
21	490.8mV	53.08V	15.94uA	489.7mV	51.63V	16.16uA
22	492.0mV	51.87V	19.59uA	493.6mV	51.34V	19.17uA
23	498.1mV	51.90V	17.10uA	491.4mV	51.43V	16.19uA
24	498.7mV	52.47V	17.32uA	493.8mV	50.38V	18.75uA
25	498.9mV	51.11V	16.47uA	491.7mV	51.76V	18.97uA
26	492.0mV	51.71V	14.67uA	499.2mV	49.72V	16.36uA
27	490.3mV	52.59V	19.18uA	497.6mV	51.20V	16.91uA
28	491.4mV	51.17V	19.23uA	499.4mV	50.39V	16.03uA
29	491.3mV	52.92V	16.08uA	495.1mV	52.90V	18.90uA
30	491.1mV	49.85V	16.31uA	493.5mV	51.79V	19.65uA

SeCoS Corporation

Pressure Cooker Test Data

Report No : T140630-032
Part No : SCS140V
Test Equipment: JUNO Test System DTS-1000
Test Condition : VF<520mV@IF=1A, VB>40V@I=1mA, IR<100uA@VR=40V
Test Condition: 121℃, 100%RH, 29.7PSIG, 168Hrs
Test Date: 2014.05.05 ~ 2014.05.11
Test Standard : JESD22 STANDARD Method-A102
Operator: Leo Hsia

Test Result: PASS

	Before			After		
No	VF (mV)	VB (V)	IR (uA)	VF (mV)	VB (V)	IR (uA)
31	496.0mV	52.74V	19.83uA	499.9mV	52.61V	15.22uA
32	499.6mV	50.99V	18.25uA	491.7mV	49.60V	15.38uA
33	499.5mV	52.95V	18.12uA	494.2mV	52.15V	16.44uA
34	489.5mV	52.24V	14.64uA	490.2mV	53.03V	19.74uA
35	494.4mV	49.73V	16.26uA	500.0mV	50.49V	18.87uA
36	494.8mV	51.50V	15.99uA	498.8mV	51.66V	19.44uA
37	493.8mV	51.74V	16.66uA	499.2mV	52.29V	14.61uA
38	499.5mV	52.90V	19.24uA	492.1mV	52.73V	14.74uA
39	492.0mV	49.50V	15.23uA	493.9mV	51.64V	14.72uA
40	491.7mV	52.53V	19.88uA	499.7mV	52.16V	17.02uA
41	496.4mV	49.58V	16.92uA	494.8mV	52.75V	18.27uA
42	492.0mV	50.13V	16.65uA	493.0mV	51.24V	18.11uA
43	499.9mV	49.53V	17.22uA	495.6mV	51.58V	18.30uA
44	491.6mV	49.53V	15.32uA	499.8mV	49.89V	17.62uA
45	490.7mV	50.84V	15.84uA	498.1mV	51.83V	20.00uA
46	495.0mV	51.00V	15.12uA	494.3mV	49.58V	15.43uA
47	490.7mV	49.92V	17.12uA	489.3mV	51.32V	16.65uA
48	498.6mV	50.93V	16.08uA	495.5mV	51.06V	18.14uA
49	495.1mV	50.63V	16.94uA	493.9mV	50.83V	18.16uA
50	500.2mV	50.00V	18.63uA	491.9mV	51.75V	15.00uA
51	496.2mV	50.45V	19.43uA	492.1mV	52.47V	17.71uA
52	496.7mV	53.03V	15.44uA	498.7mV	49.62V	15.35uA
53	498.7mV	50.67V	19.33uA	499.6mV	52.12V	19.00uA
54	490.0mV	51.98V	16.28uA	494.0mV	52.17V	19.28uA
55	497.5mV	51.86V	14.77uA	493.2mV	51.11V	17.71uA
56	489.7mV	50.99V	19.04uA	492.6mV	50.04V	18.42uA
57	494.9mV	51.41V	15.15uA	491.8mV	50.57V	19.59uA
58	492.0mV	50.40V	19.86uA	493.3mV	49.72V	15.03uA
59	492.6mV	52.38V	14.73uA	494.1mV	49.55V	18.12uA
60	494.3mV	49.51V	18.77uA	494.6mV	50.88V	19.22uA

SeCoS Corporation

Pressure Cooker Test Data

Report No : T140630-032
Part No : SCS140V
Test Equipment: JUNO Test System DTS-1000
Test Condition : VF<520mV@IF=1A, VB>40V@I=1mA, IR<100uA@VR=40V
Test Condition: 121℃, 100%RH, 29.7PSIG, 168Hrs
Test Date: 2014.05.05 ~ 2014.05.11
Test Standard : JESD22 STANDARD Method-A102
Operator: Leo Hsia

Test Result: PASS

	Before			After		
No	VF (mV)	VB (V)	IR (uA)	VF (mV)	VB (V)	IR (uA)
61	500.3mV	50.24V	15.49uA	491.9mV	50.03V	16.50uA
62	496.4mV	51.16V	14.70uA	493.9mV	52.42V	19.23uA
63	489.4mV	51.18V	16.12uA	494.0mV	51.27V	18.15uA
64	493.5mV	50.54V	16.00uA	498.0mV	52.67V	17.41uA
65	490.2mV	50.79V	18.91uA	492.4mV	50.89V	17.68uA
66	498.3mV	50.62V	17.50uA	494.7mV	51.50V	19.08uA
67	498.8mV	52.61V	19.96uA	498.8mV	53.03V	15.24uA
68	495.5mV	49.79V	16.71uA	496.1mV	49.66V	15.89uA
69	497.0mV	51.49V	19.09uA	491.9mV	51.40V	14.84uA
70	497.4mV	50.73V	17.48uA	494.9mV	49.76V	14.78uA
71	492.4mV	51.02V	17.79uA	498.6mV	51.45V	16.97uA
72	499.4mV	52.63V	16.77uA	494.4mV	50.68V	17.62uA
73	496.5mV	49.57V	17.08uA	489.2mV	49.58V	19.18uA
74	492.9mV	51.03V	16.04uA	496.8mV	52.31V	15.75uA
75	495.5mV	53.08V	15.44uA	490.1mV	52.92V	19.62uA
76	500.2mV	53.04V	19.21uA	499.6mV	51.13V	17.86uA
77	490.2mV	50.27V	18.32uA	498.8mV	50.11V	14.98uA

Made By: Leo Hsia

Approval: Peter Yang

SeCoS Corporation

Temperature Cycle Test Data

Report No : T140630-032
Part No : SCS140V
Test Equipment: JUNO Test System DTS-1000
Test Condition : VF<520mV@IF=1A, VB>40V@I=1mA, IR<100uA@VR=40V
Test Condition: -55℃/30min, 150℃/30min, for1000 Cycle
Test Date: 2014.05.05 ~ 2014.06.25
Test Standard : JESD22 STANDARD Method-A104
Operator: Leo Hsia

Test Result: PASS

	Before			After		
No	VF (mV)	VB (V)	IR (uA)	VF (mV)	VB (V)	IR (uA)
1	493.4mV	50.02V	18.43uA	495.2mV	51.94V	16.03uA
2	499.2mV	49.77V	14.99uA	493.9mV	52.91V	19.45uA
3	496.3mV	52.16V	19.35uA	492.3mV	50.77V	14.61uA
4	494.1mV	50.80V	15.15uA	492.4mV	50.83V	17.48uA
5	495.3mV	50.06V	15.86uA	494.6mV	50.04V	16.30uA
6	490.3mV	49.56V	16.05uA	490.2mV	51.05V	17.52uA
7	492.4mV	50.54V	18.82uA	491.5mV	50.12V	18.19uA
8	499.1mV	50.29V	19.76uA	500.1mV	53.11V	19.99uA
9	494.9mV	52.98V	17.84uA	494.4mV	52.62V	16.05uA
10	496.9mV	52.06V	17.19uA	492.1mV	52.22V	15.25uA
11	494.0mV	52.59V	15.93uA	498.3mV	49.90V	14.73uA
12	494.8mV	51.86V	14.76uA	498.7mV	51.75V	15.98uA
13	494.5mV	51.30V	17.71uA	494.6mV	52.69V	18.35uA
14	492.9mV	52.16V	19.49uA	497.1mV	52.42V	16.35uA
15	491.5mV	49.68V	16.14uA	494.6mV	50.43V	19.64uA
16	491.1mV	50.85V	18.47uA	491.7mV	51.99V	18.86uA
17	492.8mV	52.20V	15.62uA	493.9mV	51.21V	16.41uA
18	496.2mV	52.91V	16.20uA	499.2mV	52.06V	16.46uA
19	495.7mV	49.79V	15.90uA	490.2mV	50.89V	16.42uA
20	498.4mV	50.83V	16.74uA	493.1mV	53.08V	17.71uA
21	491.5mV	49.92V	16.67uA	497.2mV	49.74V	15.48uA
22	493.8mV	50.27V	19.05uA	491.6mV	50.87V	16.92uA
23	490.5mV	50.27V	18.47uA	498.8mV	51.58V	19.99uA
24	496.1mV	52.85V	19.41uA	493.2mV	51.41V	16.51uA
25	492.2mV	52.82V	17.78uA	490.1mV	50.44V	16.97uA
26	492.8mV	53.04V	15.01uA	494.3mV	52.44V	18.48uA
27	499.1mV	53.06V	16.14uA	499.8mV	49.99V	17.81uA
28	496.4mV	50.38V	19.83uA	496.5mV	50.89V	18.57uA
29	491.3mV	50.04V	19.38uA	491.1mV	50.44V	18.78uA
30	491.0mV	49.81V	17.74uA	495.4mV	52.48V	17.98uA

SeCoS Corporation

Temperature Cycle Test Data

Report No : T140630-032
Part No : SCS140V
Test Equipment: JUNO Test System DTS-1000
Test Condition : VF<520mV@IF=1A, VB>40V@I=1mA, IR<100uA@VR=40V
Test Condition: -55℃/30min, 150℃/30min, for1000 Cycle
Test Date: 2014.05.05 ~ 2014.06.25
Test Standard : JESD22 STANDARD Method-A104
Operator: Leo Hsia

Test Result: PASS

	Before			After		
No	VF (mV)	VB (V)	IR (uA)	VF (mV)	VB (V)	IR (uA)
31	499.7mV	51.19V	16.66uA	489.2mV	50.14V	15.33uA
32	496.5mV	50.02V	16.59uA	495.0mV	51.91V	19.12uA
33	498.6mV	52.00V	15.12uA	499.4mV	52.45V	16.14uA
34	491.2mV	50.94V	17.08uA	498.5mV	50.31V	17.40uA
35	500.4mV	50.79V	15.38uA	493.8mV	52.88V	18.21uA
36	498.9mV	49.84V	15.77uA	489.7mV	50.97V	18.21uA
37	495.1mV	52.08V	17.95uA	489.5mV	51.38V	14.82uA
38	493.6mV	51.25V	16.33uA	492.1mV	51.43V	15.60uA
39	489.7mV	51.47V	19.13uA	496.0mV	52.54V	17.44uA
40	495.1mV	53.02V	18.04uA	492.6mV	50.98V	17.93uA
41	495.6mV	51.16V	19.74uA	494.6mV	50.47V	17.99uA
42	495.6mV	49.52V	18.16uA	489.8mV	50.05V	17.40uA
43	493.1mV	51.39V	15.98uA	496.3mV	53.01V	18.37uA
44	494.1mV	52.95V	18.05uA	491.1mV	51.08V	16.60uA
45	492.8mV	49.67V	14.82uA	489.6mV	51.01V	18.21uA
46	497.5mV	51.71V	14.58uA	493.9mV	51.71V	15.43uA
47	499.3mV	52.21V	15.87uA	500.1mV	49.51V	16.12uA
48	493.0mV	50.14V	15.44uA	492.0mV	51.67V	17.38uA
49	493.2mV	51.96V	19.12uA	490.2mV	50.31V	15.91uA
50	495.2mV	53.03V	19.50uA	500.3mV	52.67V	19.23uA
51	497.6mV	52.13V	18.36uA	496.2mV	51.38V	16.40uA
52	493.9mV	49.51V	18.72uA	492.3mV	50.08V	19.74uA
53	491.4mV	51.71V	15.98uA	499.9mV	50.56V	17.70uA
54	489.3mV	49.84V	16.15uA	494.1mV	51.25V	17.57uA
55	499.8mV	50.53V	14.97uA	489.8mV	50.15V	15.07uA
56	494.8mV	52.45V	15.35uA	499.2mV	50.66V	15.11uA
57	498.3mV	52.24V	17.98uA	499.2mV	51.80V	15.36uA
58	493.2mV	49.76V	18.98uA	490.8mV	50.78V	14.70uA
59	493.9mV	51.59V	19.42uA	491.0mV	51.61V	17.02uA
60	494.3mV	49.74V	14.76uA	495.8mV	50.32V	16.81uA

SeCoS Corporation

Temperature Cycle Test Data

Report No : T140630-032
Part No : SCS140V
Test Equipment: JUNO Test System DTS-1000
Test Condition : VF<520mV@IF=1A, VB>40V@I=1mA, IR<100uA@VR=40V
Test Condition: -55℃/30min, 150℃/30min, for1000 Cycle
Test Date: 2014.05.05 ~ 2014.06.25
Test Standard : JESD22 STANDARD Method-A104
Operator: Leo Hsia

Test Result: PASS

	Before			After		
No	VF (mV)	VB (V)	IR (uA)	VF (mV)	VB (V)	IR (uA)
61	496.2mV	50.61V	19.86uA	491.5mV	50.84V	18.99uA
62	490.5mV	49.96V	16.60uA	500.1mV	49.98V	15.53uA
63	493.2mV	51.26V	16.04uA	491.0mV	50.81V	15.64uA
64	494.3mV	51.12V	17.25uA	491.8mV	52.21V	18.03uA
65	490.1mV	51.62V	19.30uA	496.8mV	51.59V	16.40uA
66	498.4mV	49.89V	16.52uA	498.5mV	51.45V	16.90uA
67	499.5mV	52.64V	16.19uA	494.4mV	51.39V	16.62uA
68	491.4mV	51.63V	18.30uA	495.1mV	52.77V	15.87uA
69	495.5mV	52.12V	17.01uA	495.8mV	51.68V	18.44uA
70	499.9mV	52.62V	16.74uA	499.6mV	50.34V	18.12uA
71	498.2mV	50.30V	14.71uA	499.8mV	49.95V	16.96uA
72	496.8mV	49.71V	14.88uA	491.0mV	49.59V	15.38uA
73	490.1mV	50.88V	18.91uA	492.1mV	50.59V	17.89uA
74	491.6mV	52.32V	17.52uA	495.9mV	49.90V	18.60uA
75	491.5mV	52.59V	18.52uA	494.9mV	51.64V	15.92uA
76	492.9mV	52.63V	19.23uA	491.9mV	51.73V	18.41uA
77	495.6mV	50.44V	19.20uA	494.2mV	49.96V	18.11uA

Made By: Leo Hsia

Approval: Peter Yang

SeCoS Corporation

High Temperature High Humidity Test Data

Report No : T140630-032
Part No : SCS140V
Test Equipment: JUNO Test System DTS-1000
Test Condition : VF<520mV@IF=1A, VB>40V@I=1mA, IR<100uA@VR=40V
Test Condition: 85±2℃, 85±5%RH, 1000Hrs
Test Date: 2014.05.11 ~ 2014.06.23
Test Standard : JESD22 STANDARD Method-A101
Operator: Leo Hsia

Test Result: PASS

	Before			After		
No	VF (mV)	VB (V)	IR (uA)	VF (mV)	VB (V)	IR (uA)
1	494.5mV	51.66V	17.46uA	498.5mV	50.82V	17.73uA
2	496.4mV	50.23V	15.53uA	491.9mV	51.98V	18.46uA
3	492.3mV	51.40V	16.61uA	490.3mV	51.07V	17.29uA
4	497.1mV	50.38V	15.19uA	494.7mV	51.04V	19.05uA
5	499.3mV	53.09V	15.00uA	497.3mV	50.59V	16.58uA
6	496.2mV	51.89V	16.34uA	495.0mV	50.02V	16.00uA
7	497.8mV	50.03V	19.25uA	497.7mV	52.61V	16.61uA
8	489.9mV	49.68V	18.19uA	490.5mV	51.28V	16.54uA
9	496.6mV	51.42V	17.14uA	494.2mV	50.79V	18.30uA
10	496.3mV	49.93V	18.70uA	492.2mV	50.24V	18.11uA
11	496.3mV	51.43V	19.82uA	489.5mV	51.14V	17.42uA
12	500.0mV	52.14V	16.13uA	493.4mV	50.83V	18.62uA
13	493.9mV	52.64V	16.14uA	500.2mV	52.01V	18.88uA
14	490.1mV	52.64V	16.24uA	494.8mV	51.44V	18.86uA
15	495.6mV	53.04V	19.30uA	498.2mV	51.87V	15.02uA
16	499.6mV	51.27V	16.72uA	491.8mV	50.18V	16.18uA
17	489.3mV	51.17V	16.92uA	497.5mV	51.05V	19.79uA
18	500.2mV	52.17V	18.76uA	496.6mV	52.13V	15.59uA
19	491.1mV	49.53V	16.47uA	497.7mV	51.04V	16.12uA
20	495.6mV	52.33V	14.90uA	495.8mV	51.43V	17.34uA
21	490.3mV	51.57V	17.25uA	498.4mV	51.38V	17.04uA
22	498.4mV	51.89V	17.00uA	490.2mV	52.13V	19.98uA
23	491.9mV	50.04V	16.05uA	498.0mV	50.18V	19.78uA
24	497.7mV	52.42V	15.49uA	491.7mV	52.53V	15.52uA
25	493.3mV	53.05V	19.61uA	498.5mV	52.83V	18.97uA
26	496.3mV	51.74V	16.98uA	491.2mV	50.19V	18.16uA
27	493.6mV	49.74V	17.10uA	496.8mV	49.90V	19.29uA
28	490.3mV	50.06V	19.36uA	490.9mV	51.28V	19.63uA
29	489.8mV	50.25V	17.44uA	490.3mV	50.07V	16.39uA
30	494.3mV	52.26V	17.77uA	495.3mV	49.78V	18.43uA

SeCoS Corporation

High Temperature High Humidity Test Data

Report No : T140630-032
Part No : SCS140V
Test Equipment: JUNO Test System DTS-1000
Test Condition : VF<520mV@IF=1A, VB>40V@I=1mA, IR<100uA@VR=40V
Test Condition: 85±2℃, 85±5%RH, 1000Hrs
Test Date: 2014.05.11 ~ 2014.06.23
Test Standard : JESD22 STANDARD Method-A101
Operator: Leo Hsia

Test Result: PASS

	Before			After		
No	VF (mV)	VB (V)	IR (uA)	VF (mV)	VB (V)	IR (uA)
31	499.0mV	50.08V	18.27uA	489.4mV	51.39V	18.64uA
32	498.1mV	52.87V	17.01uA	498.4mV	52.73V	15.76uA
33	497.4mV	51.03V	17.17uA	496.2mV	50.26V	15.27uA
34	495.4mV	49.94V	17.14uA	493.8mV	52.22V	15.43uA
35	495.6mV	52.04V	14.81uA	496.1mV	51.99V	15.36uA
36	493.2mV	52.28V	14.69uA	491.3mV	50.94V	15.17uA
37	489.9mV	51.13V	18.21uA	489.4mV	49.75V	17.58uA
38	496.9mV	51.20V	16.09uA	493.8mV	50.98V	17.86uA
39	495.8mV	50.74V	16.59uA	489.8mV	52.06V	15.38uA
40	495.6mV	52.23V	19.11uA	493.2mV	50.04V	15.35uA
41	498.1mV	52.65V	18.54uA	493.0mV	49.79V	15.12uA
42	493.6mV	51.57V	17.30uA	497.7mV	51.98V	14.72uA
43	498.8mV	50.61V	17.69uA	490.9mV	52.02V	16.01uA
44	492.6mV	50.77V	16.90uA	489.9mV	51.64V	19.56uA
45	489.9mV	49.95V	16.45uA	492.3mV	50.24V	17.13uA
46	491.3mV	51.02V	19.72uA	495.2mV	50.60V	16.93uA
47	495.9mV	49.78V	18.90uA	491.5mV	50.70V	17.75uA
48	497.3mV	51.53V	15.79uA	490.0mV	52.22V	16.46uA
49	491.4mV	50.13V	17.18uA	490.0mV	52.27V	17.66uA
50	490.3mV	52.80V	17.91uA	492.8mV	51.63V	17.79uA
51	495.3mV	50.56V	16.30uA	491.4mV	53.11V	16.09uA
52	490.7mV	51.31V	16.50uA	496.9mV	52.31V	18.37uA
53	490.2mV	53.09V	17.25uA	498.0mV	52.42V	18.18uA
54	496.4mV	50.20V	16.85uA	497.1mV	52.76V	16.60uA
55	495.2mV	49.55V	19.79uA	496.8mV	52.14V	17.10uA
56	500.4mV	52.24V	14.63uA	499.4mV	50.93V	19.56uA
57	494.7mV	49.90V	18.14uA	493.7mV	52.62V	19.06uA
58	493.7mV	52.92V	16.22uA	498.6mV	50.35V	14.63uA
59	491.8mV	50.69V	15.86uA	494.6mV	51.91V	16.82uA
60	496.3mV	51.64V	17.47uA	495.8mV	50.13V	18.96uA

SeCoS Corporation

High Temperature High Humidity Test Data

Report No : T140630-032
Part No : SCS140V
Test Equipment: JUNO Test System DTS-1000
Test Condition : VF<520mV@IF=1A, VB>40V@I=1mA, IR<100uA@VR=40V
Test Condition: 85±2℃, 85±5%RH, 1000Hrs
Test Date: 2014.05.11 ~ 2014.06.23
Test Standard : JESD22 STANDARD Method-A101
Operator: Leo Hsia

Test Result: PASS

	Before			After		
No	VF (mV)	VB (V)	IR (uA)	VF (mV)	VB (V)	IR (uA)
61	496.9mV	51.42V	16.29uA	490.1mV	52.55V	16.26uA
62	493.6mV	52.48V	16.03uA	493.0mV	51.24V	17.72uA
63	497.4mV	50.14V	16.21uA	494.0mV	51.87V	17.39uA
64	500.4mV	51.38V	16.82uA	490.7mV	49.59V	19.87uA
65	491.2mV	52.02V	18.27uA	498.3mV	52.02V	16.76uA
66	498.4mV	51.56V	17.82uA	500.1mV	50.41V	19.19uA
67	494.6mV	51.40V	17.05uA	490.0mV	50.12V	16.41uA
68	491.9mV	50.97V	17.43uA	492.7mV	52.52V	19.12uA
69	493.3mV	52.21V	15.40uA	492.9mV	51.28V	15.54uA
70	490.7mV	50.28V	19.45uA	499.4mV	52.21V	18.70uA
71	493.6mV	50.26V	14.82uA	496.0mV	51.08V	17.66uA
72	497.2mV	49.73V	16.18uA	495.6mV	52.48V	17.66uA
73	492.9mV	50.08V	15.31uA	495.6mV	52.02V	19.22uA
74	495.5mV	49.66V	19.94uA	498.5mV	51.91V	16.84uA
75	492.1mV	52.34V	18.88uA	490.7mV	51.97V	16.01uA
76	494.1mV	49.63V	18.06uA	490.8mV	51.08V	19.77uA
77	489.6mV	53.05V	15.69uA	492.4mV	50.31V	18.28uA

Made By: Leo Hsia

Approval: Peter Yang

SeCoS Corporation

High Temper High Humidity Reverse Bies Test Data

Report No : T140630-032
Part No : SCS140V
Test Equipment: JUNO Test System DTS-1000
Test Condition : VF<520mV@IF=1A, VB>40V@I=1mA, IR<100uA@VR=40V
Test Condition: 85±2℃, 85±5%RH, 1000Hrs
Test Date: 2014.05.11 ~ 2014.06.23
Test Standard : JESD22 STANDARD Method-A101
Operator: Leo Hsia

Test Result: PASS

	Before			After		
No	VF (mV)	VB (V)	IR (uA)	VF (mV)	VB (V)	IR (uA)
1	499.3mV	52.14V	16.28uA	496.8mV	51.09V	15.74uA
2	497.0mV	50.81V	19.05uA	491.0mV	50.37V	18.34uA
3	497.7mV	50.72V	15.99uA	490.6mV	52.69V	17.94uA
4	498.6mV	52.73V	19.05uA	493.4mV	51.58V	19.98uA
5	493.4mV	49.98V	16.44uA	495.4mV	52.41V	15.02uA
6	499.9mV	53.07V	15.25uA	498.3mV	50.46V	16.78uA
7	489.2mV	51.62V	15.88uA	492.8mV	50.03V	17.13uA
8	491.5mV	51.26V	16.75uA	494.8mV	49.93V	15.66uA
9	497.9mV	49.91V	18.03uA	498.4mV	51.04V	16.83uA
10	494.4mV	53.02V	15.50uA	489.2mV	52.82V	16.11uA
11	499.4mV	50.29V	18.56uA	490.8mV	52.62V	17.48uA
12	490.2mV	51.62V	15.00uA	492.6mV	51.91V	18.06uA
13	497.8mV	51.12V	18.56uA	497.0mV	52.94V	15.84uA
14	492.1mV	52.35V	17.60uA	489.6mV	52.04V	16.98uA
15	489.7mV	49.87V	17.27uA	494.6mV	52.47V	19.99uA
16	494.2mV	49.67V	19.96uA	491.2mV	49.62V	17.51uA
17	495.3mV	51.68V	19.60uA	498.8mV	52.03V	18.52uA
18	492.3mV	52.05V	14.81uA	499.7mV	49.58V	15.41uA
19	496.6mV	50.75V	18.73uA	498.3mV	50.41V	17.10uA
20	497.0mV	49.68V	14.92uA	490.8mV	50.05V	19.52uA
21	490.1mV	51.74V	16.76uA	496.0mV	49.68V	18.97uA
22	490.3mV	51.48V	17.48uA	489.2mV	50.74V	16.23uA
23	491.1mV	51.25V	16.58uA	493.7mV	52.75V	16.94uA
24	494.1mV	50.21V	15.02uA	494.0mV	52.14V	19.74uA
25	499.5mV	50.09V	16.15uA	490.8mV	51.76V	19.90uA
26	498.7mV	51.85V	16.44uA	492.2mV	52.76V	18.53uA
27	498.8mV	50.54V	16.08uA	492.2mV	51.71V	17.53uA
28	499.0mV	49.71V	18.86uA	489.2mV	52.97V	16.19uA
29	491.9mV	52.03V	16.57uA	497.9mV	50.24V	18.28uA
30	489.4mV	49.64V	19.07uA	491.8mV	52.18V	17.14uA

SeCoS Corporation

High Temper High Humidity Reverse Bies Test Data

Report No : T140630-032
Part No : SCS140V
Test Equipment: JUNO Test System DTS-1000
Test Condition : VF<520mV@IF=1A, VB>40V@I=1mA, IR<100uA@VR=40V
Test Condition: 85±2℃, 85±5%RH, 1000Hrs
Test Date: 2014.05.11 ~ 2014.06.23
Test Standard : JESD22 STANDARD Method-A101
Operator: Leo Hsia

Test Result: PASS

	Before			After		
No	VF (mV)	VB (V)	IR (uA)	VF (mV)	VB (V)	IR (uA)
31	489.8mV	50.22V	19.42uA	492.0mV	50.68V	18.74uA
32	495.1mV	50.29V	19.18uA	498.4mV	50.55V	16.51uA
33	490.1mV	52.74V	15.33uA	496.1mV	53.12V	17.54uA
34	493.3mV	50.89V	15.24uA	495.7mV	50.82V	19.89uA
35	496.7mV	50.80V	19.33uA	490.0mV	50.75V	17.30uA
36	496.0mV	49.64V	19.03uA	491.6mV	49.82V	19.50uA
37	489.3mV	50.24V	19.92uA	497.4mV	51.33V	15.50uA
38	500.1mV	52.12V	17.84uA	498.9mV	50.45V	17.93uA
39	489.9mV	51.92V	19.19uA	497.4mV	51.35V	18.34uA
40	491.0mV	51.28V	18.11uA	498.7mV	51.65V	17.76uA
41	494.5mV	50.81V	16.31uA	499.4mV	49.58V	19.55uA
42	497.0mV	52.72V	17.38uA	492.7mV	52.45V	16.52uA
43	498.6mV	49.91V	16.10uA	496.8mV	52.19V	17.62uA
44	492.6mV	50.34V	17.18uA	490.0mV	50.15V	17.68uA
45	496.9mV	49.49V	16.92uA	496.8mV	50.77V	16.92uA
46	493.5mV	51.59V	16.17uA	489.2mV	52.77V	19.08uA
47	490.8mV	49.64V	19.23uA	495.5mV	50.92V	16.50uA
48	495.8mV	50.45V	18.19uA	498.3mV	49.87V	18.10uA
49	493.7mV	53.10V	19.40uA	489.4mV	51.08V	18.10uA
50	493.2mV	50.49V	18.62uA	494.6mV	51.68V	19.77uA
51	498.1mV	51.52V	15.39uA	493.3mV	49.57V	16.16uA
52	498.5mV	51.17V	16.98uA	493.6mV	50.62V	19.81uA
53	497.0mV	49.81V	14.68uA	494.8mV	51.05V	17.65uA
54	495.2mV	50.04V	15.96uA	498.7mV	50.79V	15.43uA
55	497.8mV	51.81V	19.65uA	491.9mV	51.06V	17.14uA
56	496.0mV	51.24V	15.62uA	498.1mV	52.64V	16.45uA
57	496.8mV	52.47V	16.85uA	492.8mV	51.40V	15.94uA
58	500.4mV	52.44V	14.77uA	493.4mV	52.79V	16.08uA
59	489.4mV	52.04V	18.54uA	496.9mV	50.90V	19.85uA
60	499.8mV	51.22V	15.31uA	496.7mV	52.03V	17.17uA

SeCoS Corporation

High Temper High Humidity Reverse Bies Test Data

Report No : T140630-032
Part No : SCS140V
Test Equipment: JUNO Test System DTS-1000
Test Condition : VF<520mV@IF=1A, VB>40V@I=1mA, IR<100uA@VR=40V
Test Condition: 85±2℃, 85±5%RH, 1000Hrs
Test Date: 2014.05.11 ~ 2014.06.23
Test Standard : JESD22 STANDARD Method-A101
Operator: Leo Hsia

Test Result: PASS

	Before			After		
No	VF (mV)	VB (V)	IR (uA)	VF (mV)	VB (V)	IR (uA)
61	496.9mV	49.86V	17.43uA	498.9mV	51.35V	18.56uA
62	494.2mV	52.83V	18.48uA	489.4mV	51.59V	19.60uA
63	496.6mV	50.70V	16.92uA	497.1mV	50.65V	15.20uA
64	490.5mV	52.70V	14.93uA	497.6mV	53.07V	18.69uA
65	490.1mV	52.41V	19.12uA	497.4mV	51.87V	15.10uA
66	498.2mV	49.72V	15.38uA	493.7mV	50.21V	15.62uA
67	494.4mV	53.09V	16.77uA	494.9mV	49.60V	18.34uA
68	496.2mV	50.32V	16.46uA	489.3mV	50.56V	14.65uA
69	499.9mV	52.89V	18.27uA	494.6mV	52.34V	15.88uA
70	490.6mV	53.03V	17.87uA	494.0mV	50.70V	18.27uA
71	498.0mV	52.66V	15.24uA	490.9mV	51.80V	15.62uA
72	493.7mV	51.81V	18.47uA	497.7mV	52.35V	15.53uA
73	490.2mV	52.84V	19.71uA	491.3mV	50.83V	18.72uA
74	494.6mV	51.87V	18.15uA	499.9mV	50.61V	19.61uA
75	489.9mV	50.32V	15.74uA	499.7mV	50.05V	14.71uA
76	490.4mV	52.15V	16.95uA	499.3mV	51.54V	14.96uA
77	494.0mV	49.69V	15.85uA	494.1mV	50.84V	19.17uA

Made By: Leo Hsia

Approval: Peter Yang

SeCoS Corporation

Solderability Test Data

Report No : T140630-032
Part No : SCS140V
Test Equipment: JUNO Test System DTS-1000
Test Condition : VF<520mV@IF=1A, VB>40V@I=1mA, IR<100uA@VR=40V
Test Condition: 245℃ ± 5℃, 5Sec
Test Date: 2014.06.28 ~ 2014.06.28
Test Standard : JESD22 STANDER Method-B102
Operator: Leo Hsia

Test Result: PASS

	Before			After		
No	VF (mV)	VB (V)	IR (uA)	VF (mV)	VB (V)	IR (uA)
1	492.3mV	52.07V	15.51uA	490.1mV	49.91V	19.47uA
2	495.1mV	51.46V	15.52uA	497.8mV	52.19V	19.86uA
3	499.8mV	51.48V	19.49uA	494.6mV	51.35V	14.84uA
4	495.5mV	52.15V	15.34uA	489.7mV	50.09V	17.97uA
5	489.9mV	51.08V	14.59uA	500.3mV	52.17V	19.38uA
6	491.9mV	51.60V	18.51uA	491.6mV	51.78V	19.83uA
7	495.4mV	51.69V	17.83uA	496.3mV	50.42V	19.65uA
8	496.5mV	49.61V	16.31uA	494.8mV	50.18V	19.21uA
9	491.2mV	52.79V	15.86uA	489.6mV	50.84V	16.33uA
10	497.6mV	51.04V	14.66uA	498.4mV	50.24V	19.88uA

Made By: Leo Hsia

Approval: Peter Yang