

JSB Tech Pte Ltd
20 Science Park Road
#02-03A Teletech park
Singapore 117674

The following sample(s) was/were submitted and identified by/on behalf of the client as:

Sample Description : 1) V-Flex V3 FFC 35 pins 0.50mm pitch & Gold-Plated C-NET Connector
3002-56435 (Room Temperature Test : 25°C ± 3°C 50% RH for 2000
hours)

Sample Receiving Date : 18 November 2011
Testing Period : 18 November 2011 to 02 December 2011

Test Result(s) : Please refer to next page(s).

Signed for and on behalf of
SGS Testing & Control Services Singapore Pte Ltd



Y C Tham (Ms)
Laboratory Manager

This document is issued by the Company subject to its General Conditions of Service accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained here on reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested *and such sample(s) are retained for 30 days only.*

1. SEM Observation:

Test Equipment

Name	Brand	Model	Serial No.
SEM (scanning electron microscope)	JEOL	JSM-6360LV	MP18310030

Lab Environmental Conditions:

Ambient temperature: 25 ± 3°C
 Relative humidity: 55 ± 20%RH

Test Method / Specification:

Test method : Observe the designated area of the specimen and record the whisker length
 Acceleration voltage: 5kV
 Working distance : 10mm

Specimen:

Style/Item No.: FFC / No.1
 Quantity: Total 1 piece

Test Result(s)*:

Whisker Length													(unit: um)
FFC	Pin1	Pin2	Pin3	Pin4	Pin5	Pin6	Pin7	Pin8	Pin9	Pin10	Pin11	Pin12	Pin13
No.1	-	-	-	-	-	-	-	-	-	-	-	-	-
FFC	Pin14	Pin15	Pin16	Pin17	Pin18	Pin19	Pin20	Pin21	Pin22	Pin23	Pin24	Pin25	Pin26
No.1	-	-	-	-	-	-	4.58	-	4.16	-	6.89	6.40	-
FFC	Pin27	Pin28	Pin29	Pin30	Pin31	Pin32	Pin33	Pin34	Pin35	-	-	-	-
No.1	11.00	-	-	-	-	-	-	-	6.39				

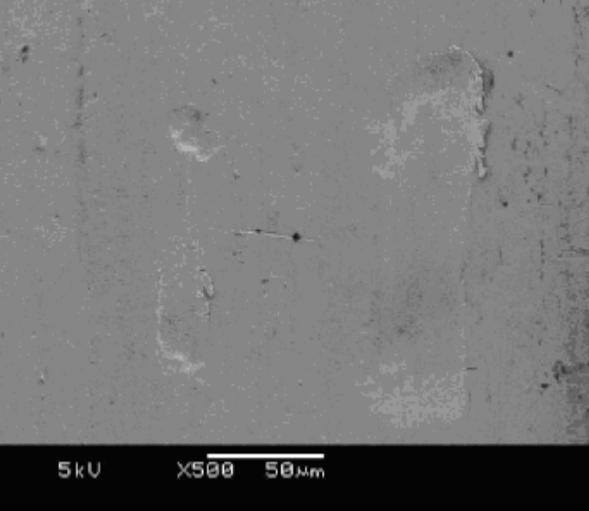
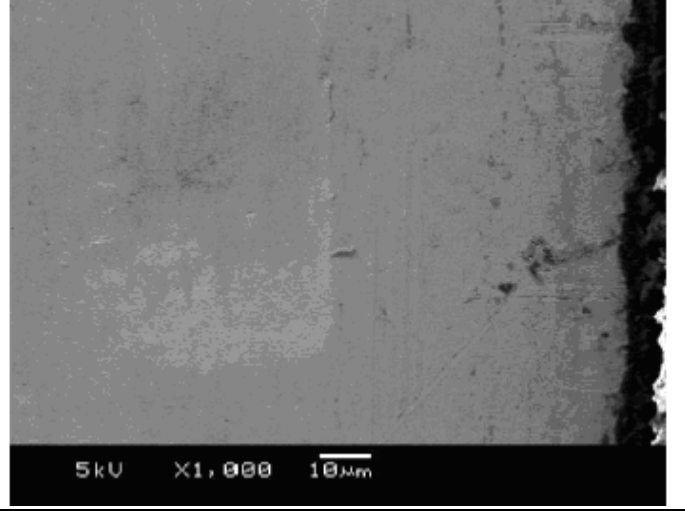

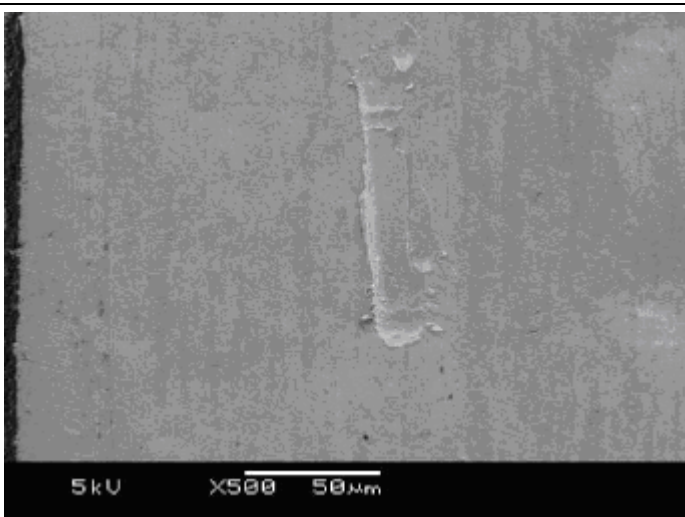
Note: “-“means no whisker be found.

* Tested by an SGS Lab (Ref: HAN0051/2011)

This document is issued by the Company subject to its General Conditions of Service accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained here on reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Test Result(s):

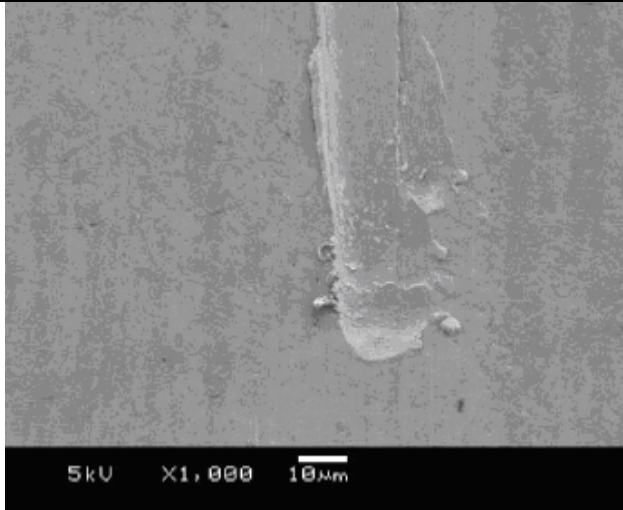
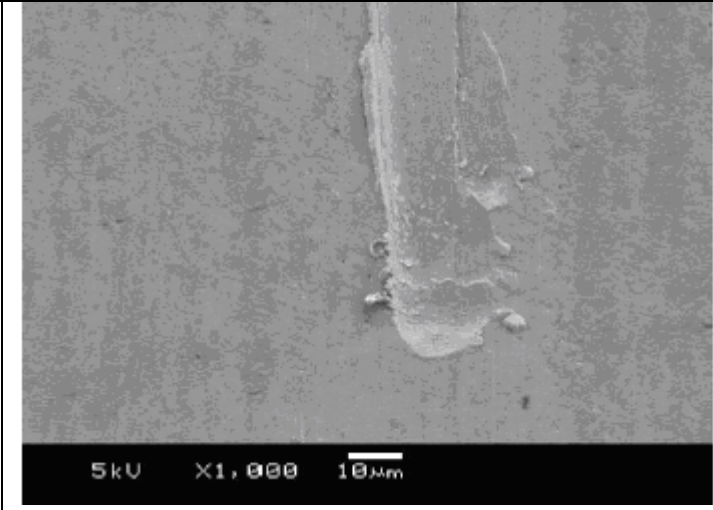

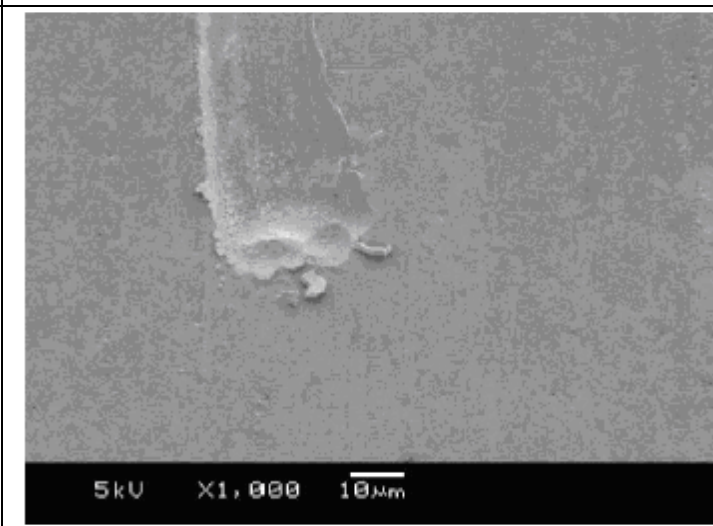
Photo:

	
<p>SEM image of whisker FFC/No.1, Pin 20</p>	<p>SEM image of whisker FFC/No.1, Pin 20</p>
	
<p>SEM image of whisker FFC/No.1, Pin 20</p>	<p>SEM image of whisker FFC/No.1, Pin 22</p>

This document is issued by the Company subject to its General Conditions of Service accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained here on reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested *and such sample(s) are retained for 30 days only.*

Test Result(s):


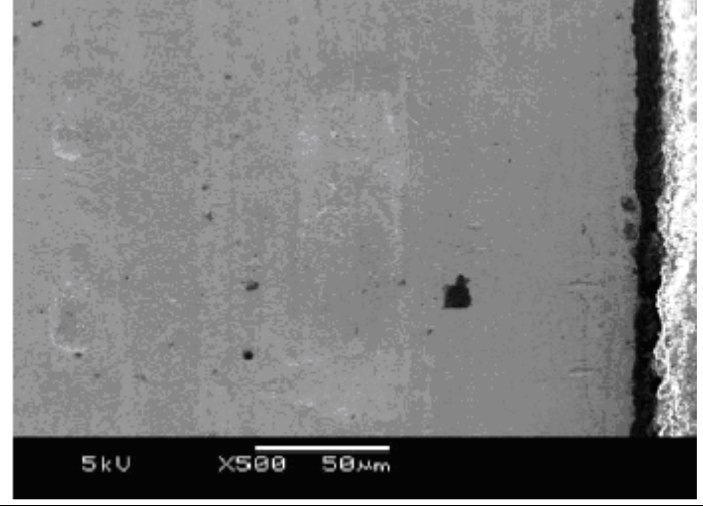
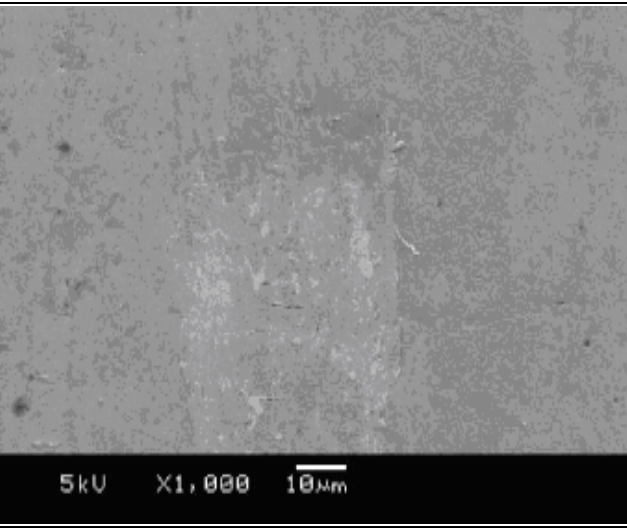
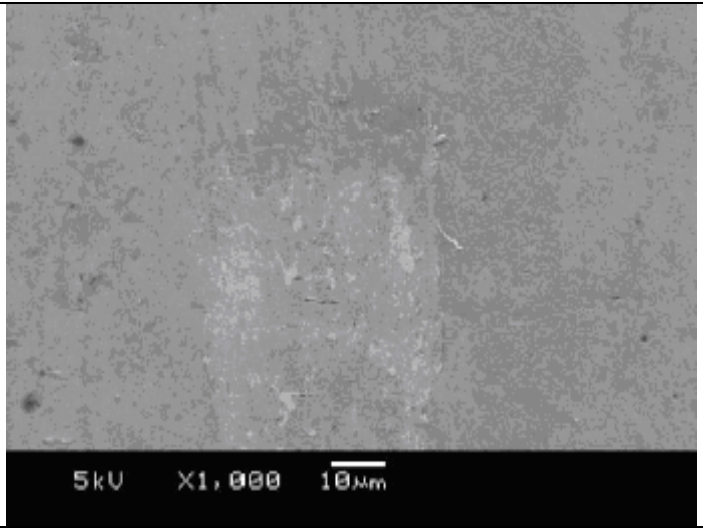
Photo:

	
<p>SEM image of whisker FFC/No.1, Pin 22</p>	<p>SEM image of whisker FFC/No.1, Pin 22</p>
	
<p>SEM image of whisker FFC/No.1, Pin 24</p>	<p>SEM image of whisker FFC/No.1, Pin 24</p>

This document is issued by the Company subject to its General Conditions of Service accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained here on reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested *and such sample(s) are retained for 30 days only.*

Test Result(s):

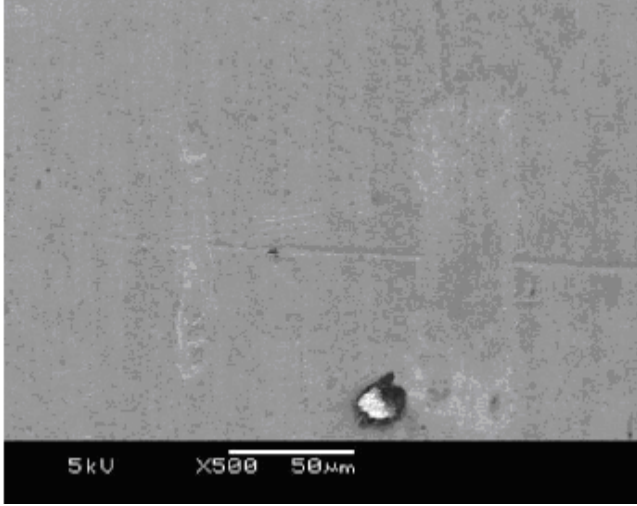
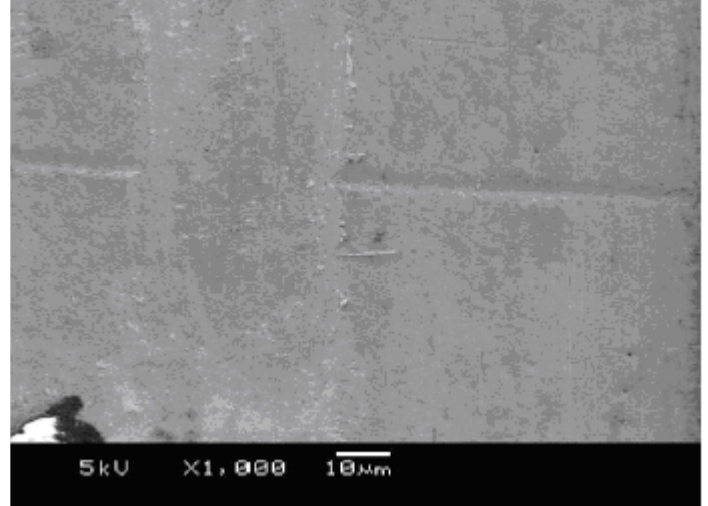
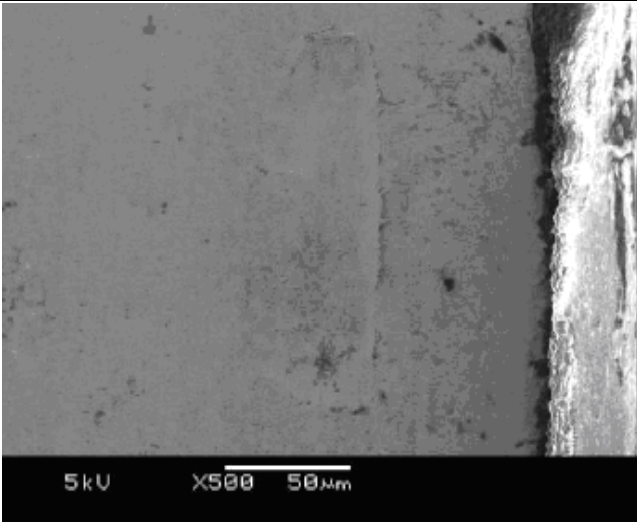
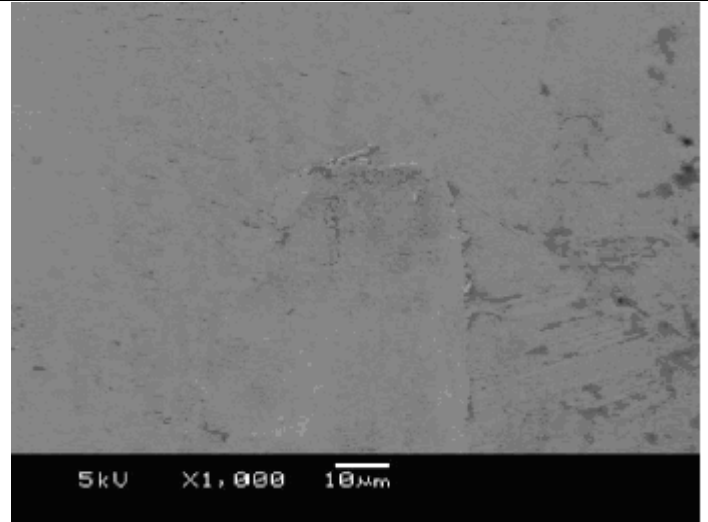
Photo:

	
<p>SEM image of whisker FFC/No.1, Pin 24</p>	<p>SEM image of whisker FFC/No.1, Pin 25</p>
	
<p>SEM image of whisker FFC/No.1, Pin 25</p>	<p>SEM image of whisker FFC/No.1, Pin 25</p>

This document is issued by the Company subject to its General Conditions of Service accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained here on reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested *and such sample(s) are retained for 30 days only.*

Test Result(s):

Photo:

	
<p>SEM image of whisker FFC/No.1, Pin 27</p>	<p>SEM image of whisker FFC/No.1, Pin 27</p>
	
<p>SEM image of whisker FFC/No.1, Pin 35</p>	<p>SEM image of whisker FFC/No.1, Pin 35</p>

**** End Report****

This document is issued by the Company subject to its General Conditions of Service accessible at www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained here on reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested *and such sample(s) are retained for 30 days only.*