TESTING / INSPECTION REPORT

REPORT NO : VT-180511-1

COMPANY : TechNexion Ltd.
ADDRESS : 16F-5, No. 736, Zhongzheng Road, ZhongHe District, 23511,
New Taipei City, Taiwan
TEL : 886-2-8227-3585
FAX : 886-2-8227-3590
SPECIMEN : TEP1010-BSW series
TEP5-BSW N3710---TEP5-BSW N3710
Power Expansion-L130---TXB-P1-1030V-LAN1
I/O Expansion-XG21---TXB-I2-GS2-GG8

DATE OF RECEIVED : 2018/04/26
DATE OF TESTED : 2018/04/26

TEST / INSPECTION ITEMS : Vibration Test

REMARKS :
- The laboratory is accredited by ISO/IEC 17025 General Requirements for the
  Competence of Calibration and Testing Laboratory.
- The results only apply to the device under test.
- This report is 8 pages, and no part of it may be abstracted or reproduced.

Test Engineer :  

Approval Signatory :  

Laboratory Head :  

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TELECOMS / VIBRATION / SHOCK INSTRUMENTS

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TELECOMS / VIBRATION / SHOCK INSTRUMENTS

TESTING / INSPECTION REPORT

TESTING EQUIPMENT:
2. Controller : DACTRON LASER USB, S/N: 12448370

TEST ENVIRONMENT:
- Temperature : 25°C (25±10°C)
- Relative Humidity : 62%RH (50±25% RH)

SPECIMEN:
Model/(S/N) : TEP1010-BSW series
TEP5-BSW N3710---TEP5-BSW N3710
Power Expansion-L130---TXB-P1-1030V-LAN1
I/O Expansion-XG21---TXB-I2-GS2-GG8

Quantity : 1 unit
TESTING / INSPECTION REPORT

TEST SPECIFICATION:
As per applicant’s requirement---

Random Vibration test (Operating)
Frequency: 5 Hz to 500 Hz

<table>
<thead>
<tr>
<th>Frequency (Hz)</th>
<th>PSD (g²/Hz)</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>0.00202068</td>
</tr>
<tr>
<td>500</td>
<td>0.00202068</td>
</tr>
</tbody>
</table>

Test Axis: X, Y, Z axis
Acceleration: 1 grms
Test Time: 60 min / axis
Total Test Time: 180 min

TEST RESULT:

<table>
<thead>
<tr>
<th>Describe</th>
<th>PASS</th>
<th>FAIL</th>
<th>Non-Judgment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Function judgment(1)</td>
<td>√</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Appearance check(2)</td>
<td>√</td>
<td>—</td>
<td>—</td>
</tr>
</tbody>
</table>

(1)—Booting function was normal after the test.
(2)—No visible damages were found.
### Vibration Testing Photos

<table>
<thead>
<tr>
<th>Testing equipment</th>
<th>Z axis</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.png" alt="Testing equipment" /></td>
<td><img src="image2.png" alt="Z axis" /></td>
</tr>
<tr>
<td><img src="image3.png" alt="X axis" /></td>
<td><img src="image4.png" alt="Y axis" /></td>
</tr>
</tbody>
</table>
Testing photos

After test-1

After test-2
X axis -

Test Type: Random
Run Folder: \RunFolder Apr 26, 2018 11-03-49

Level: 100 %
Control RMS: 1.003309 gn  Full Level Elapsed Time: 01:00:00  Lines: 400  Frame Time: 0.800000 Seconds
Demand RMS: 1.000664 gn  Remaining Time: 00:00:00  DOF: 154  dF: 1.250000 Hz
Y axis

Test Type: Random
Run Folder: \RunFolder Apr 26, 2018 09-41-44

Level: 100 %
Control RMS: 1.001179 gn Full Level Elapsed Time: 01:00:00 Lines: 400 Frame Time: 0.800000 Seconds
Demand RMS: 1.000664 gn Remaining Time: 00:00:00 DOF: 154 dF: 1.250000 Hz
Z axis Test Type: Random Run Folder: \RunFolder Apr 26, 2018 13-25-35

<table>
<thead>
<tr>
<th>Frequency (Hz)</th>
<th>(gn)²/Hz</th>
<th>0.5200</th>
</tr>
</thead>
<tbody>
<tr>
<td>500.00</td>
<td>5.00</td>
<td>10.00</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Level</th>
<th>Control RMS: 1.002569 gn</th>
<th>Full Level Elapsed Time: 01:00:00</th>
<th>Lines: 400 Frame Time: 0.800000 Seconds</th>
</tr>
</thead>
<tbody>
<tr>
<td>Demand RMS: 1.000664 gn</td>
<td>Remaining Time: 00:00:00</td>
<td>DOF: 154 dF: 1.250000 Hz</td>
<td></td>
</tr>
</tbody>
</table>

-END-