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Extract Force Test Report for BFX-AT100

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Revision Change History

Revision	Description of Change	Date
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Scope

This document describes the performance requirements, validation criteria, and the validation tests which focus on BFX-AT100 product.

Purpose

1. Provide a formal functional demonstration of the product design reliability.
2. Identify any design discrepancies.
3. Reliability assurance of trial samples which are designed and fabricated in accordance with the customer's product specifications.
4. Conduct robustness testing on early production samples in accordance to customer's product testing specification.

Table of Testing Results Summary

NO.	Test Item	Test Result
1	Extract Force Test	Pass

Sample Information

DC power jack part NO. : SHD-5014SGLH6-ES-L2-TR



1. Extract Force Test

Purpose: Verify the extract force of DC jack.

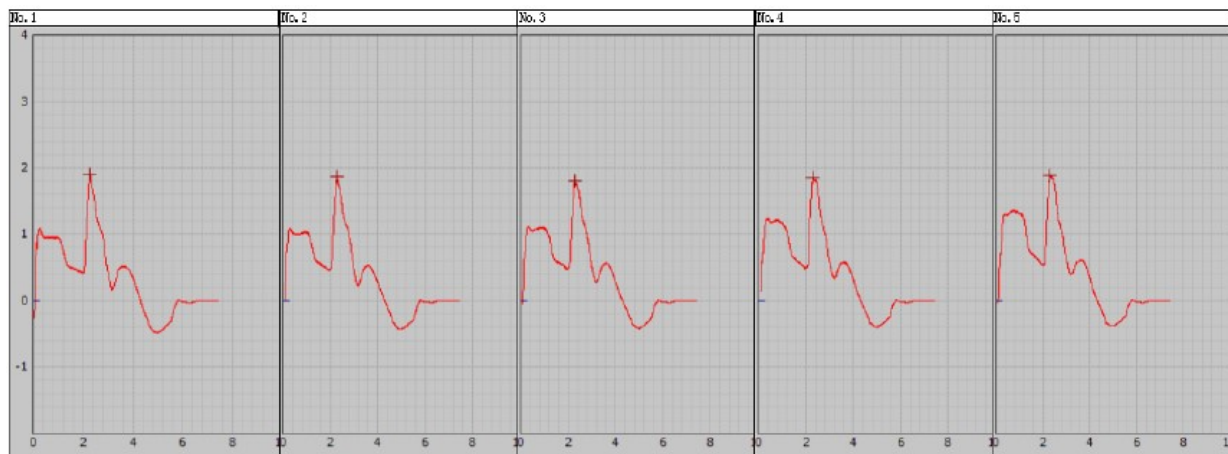
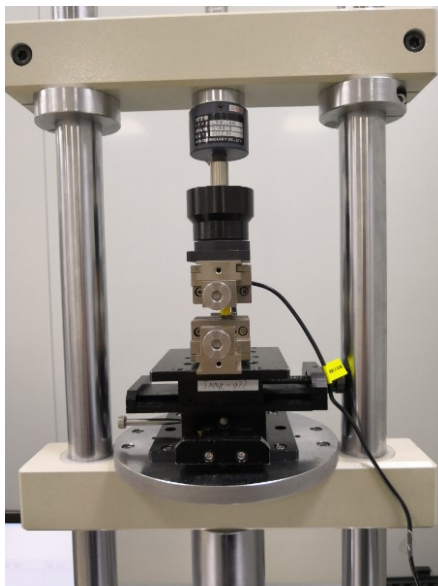
Quantity: 10pcs

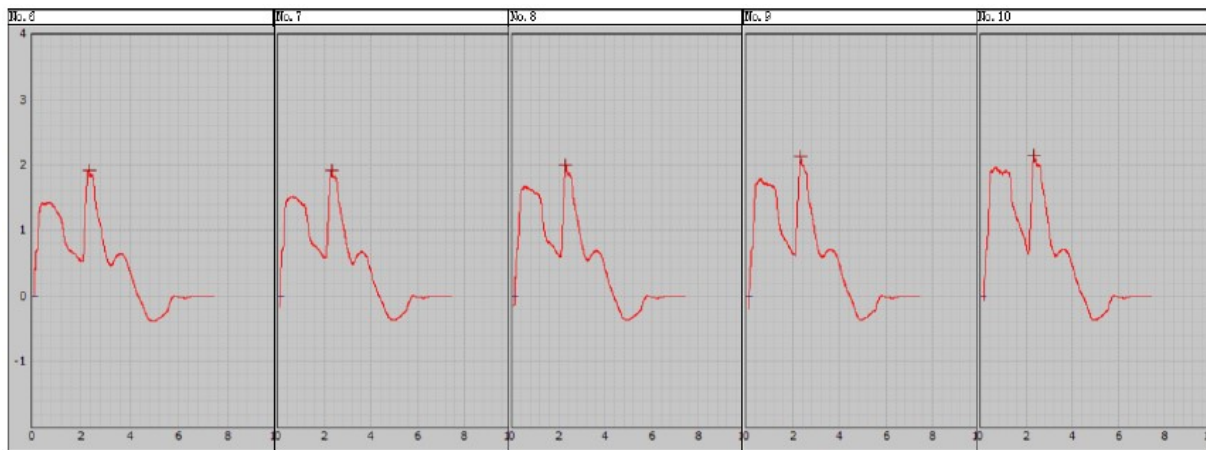
Test Objective:

Measure the extract force for 10 times.

Speed: 20mm/min

Test Picture:





Test Procedure:

1. Fix the UUTs by fixture of Precision Load Tester, make sure both male connector and female connector opposite to each other straightly before test.
2. Measure the extract force for 10 times.
3. Record the data each time.

Pass Criteria:

Extract force (average of 10 times) >1.4kgf

Test Result: **Pass**

NO.	Average force(kgf)	Max force(kgf)	Min force(kgf)	Result
1	1.768	1.821	1.72	Pass
2	2.173	2.308	2.044	Pass
3	2.58	2.833	2.239	Pass
4	2.664	3.211	2.133	Pass
5	1.945	2.146	1.802	Pass
6	3.202	3.585	2.745	Pass
7	3.156	3.654	2.683	Pass
8	2.996	3.469	2.184	Pass
9	3.423	3.918	2.573	Pass
10	2.686	2.844	2.039	Pass