**Document No. :**

**Title : ADALM BNC Adapter Board Test Procedure**

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| REVISION HISTORY | | | | |
| **Revision** | **ECR #** | **Description of Change** | **Date** | **Author** |
| A | ECR-102888 | BOM and PSPEC update.  Due to different pinout of a new connector there were changes needed to be done in the schematic.  Previous ECR was cancelled. | 5/18/2021 | SDeCastr |
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| **Required Approvers** | |
| **Approver Roles** | **Approver Names** |
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## Overview

Required hardware

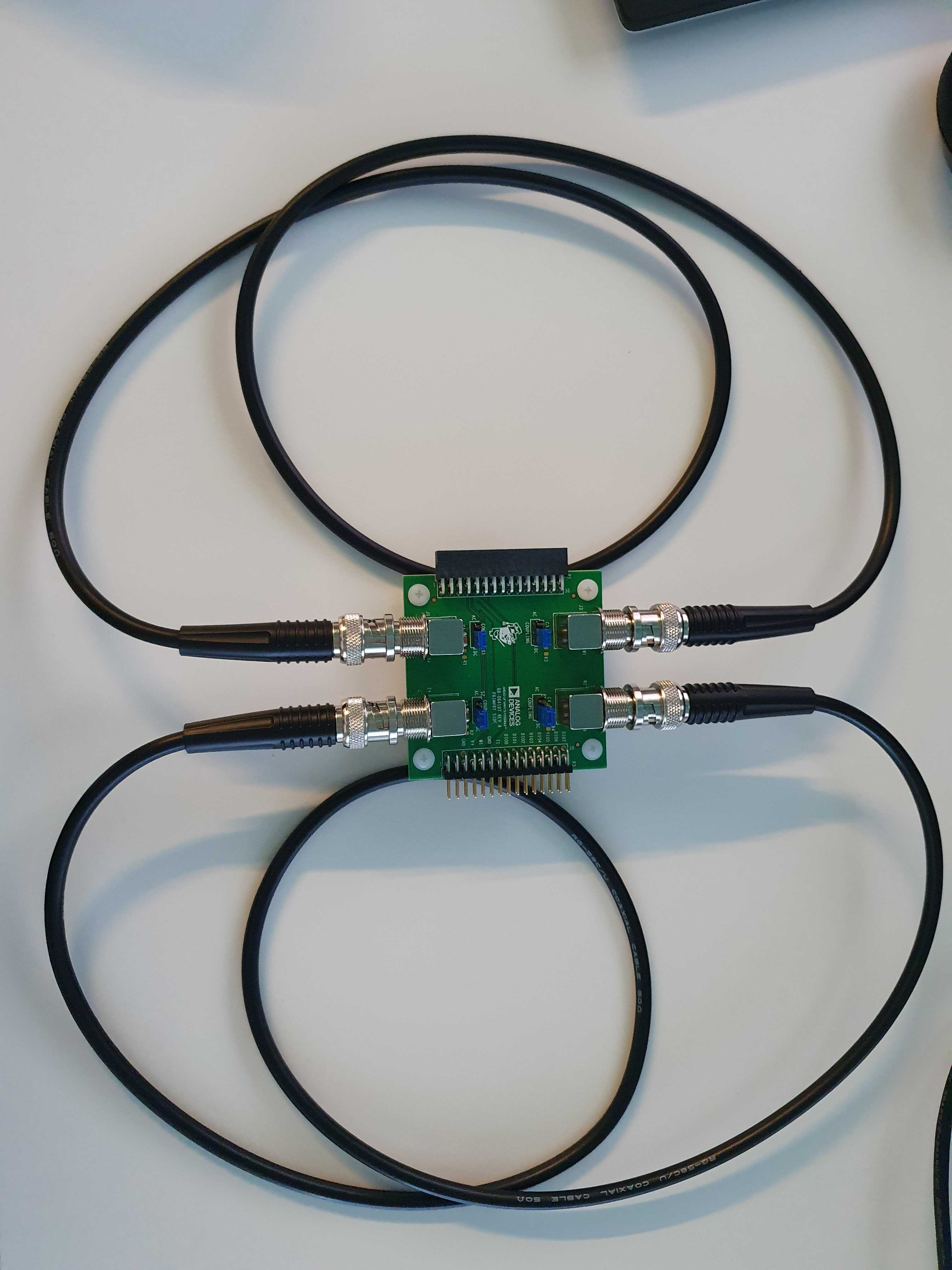
* ADALM2000
* Raspberry Pi + supply, HDMI cable, Screen
* 2 BNC cables
* Test board

Required setup for production test

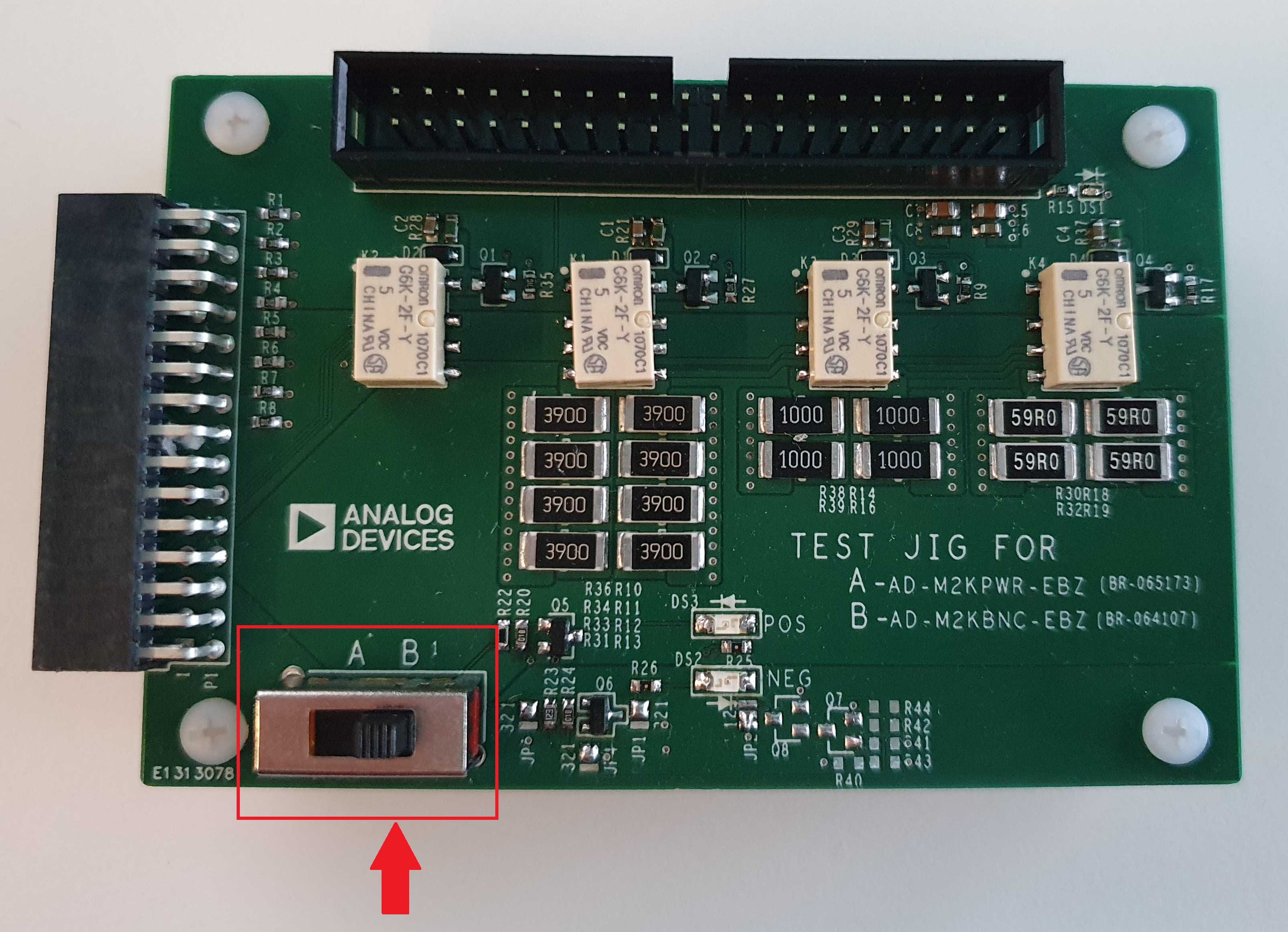
* Plug in the Raspberry Pi and connect it to the Screen.
* Plug in the ADALM2000 Into the Raspberry Pi USB port, both LEDS of ADALM2000 should be on



* Connect the channels W1 to 1+ and W2 to 2+ in a loopback configuration, with a BNC cable for each channel



* Connect the AD-M2KBNC-EBZ to the ADALM2000
* Connect the test board to the output header of AD-M2KPWR-EBZ through the 30pin connector, the switch should be in position B



* With a 40-pin ribbon cable, connect the Rpi and the test board. The led on right side of the connector should be on.



Test process

* + 1. After the connections are done as explained in the “Required setup for production test” section double click the file ad-m2kbnc-ebz-test.py



* + 1. The test should start, follow the steps printed in the terminal

