FMC masterFIP

Production Test Suite

Testing Procedure

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| 1 | Place the **ESD strap** on your wrist. |
| 2 | Put the **barcode sticker** on the **Top** side of the FMC masterFIP under test. |
| 3 | **Mount** the FMC masterFIP under-test on the SPEC board. |
| 4 | **Connect** the FMC masterFIP with the USB relay box and the nanoFIPdiag using the provided cables as indicated in the figure below.  E:\fmc_wordfip\connection_matrix.jpg |
| 5 | **Switch ON** the computer and verify that the “Pwr” LED on the SPEC board is ON. |
| 6 | After the computer has finished with the booting procedure **start the testing** by double clicking the “PTSmasterFIP” icon on the desktop. |
| 7 | A new terminal window will appear. When asked for **sudo** password type “**baraka**” and confirm with the **[ENTER]** button. |
| 8 | When prompted, use the barcode reader to **scan the board’s barcodes**. |
| 9 | In test00 verify the FMC masterFIP **speed version** and resistor mounting. |
| 10 | In test01 verify the front panel **LEDs operation.** |
| 11 | The rest of the tests 02-05 do not require any input from the operator.  After the test05, the summary of the results is presented. |
| 12 | When **prompted** to repeat the testing:  In case of no errors: type [n] and then [ENTER] to quit the test program.  In case of errors : type [y] and then [ENTER] to repeat the tests once. |
| 13 | When prompted to switch OFF the computer, type [y] and then [ENTER]. |
| 14 | Unplug the board. |

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