

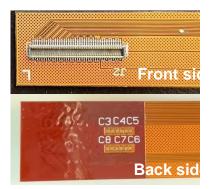
TaichuPix-3 test

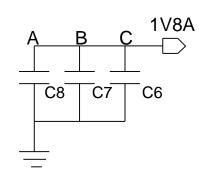
Ying ZHANG, XiaoXu Zhang 2023-3-16

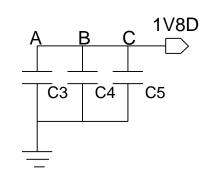
Investigation on issue of flex damage



- 5 flex boards work normally at the beginning, while show no output during the test, three possibilities under suspicion
 - Damage of socket
 - Tried to replace the socket on two flex boards, no output after replacement → hard to be replaced
 - Further investigation indicates incomplete solder and damage to the flex under the socket
 - □ Different resistances of power 1V8A/D to GND observed at different capacitance terminals (A/B/C)







- Damage of flex
 - Probably occurs on the flex under/close to the socket → need to be proved
- ➤ Effect of storage condition → no major effect
 - Performance of 3 chips on the single chip boards were verified to be as same as four months ago

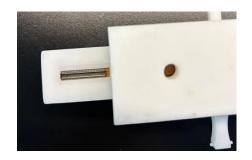
2023/3/16

Consideration for the following usage



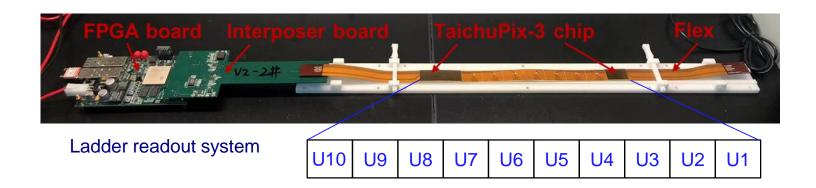
Using the protection tool to plug in/out the socket





Designed by Jingyu Fu

- Limiting the times of plug-in/out
 - > Do NOT change interposer board during the test
 - 25 more interposer boards available this week



2023/3/16

New bunch of flex boards



- 25 2-layer flex from FASTPRINT company received
 - > Sent 5 to solder the socket
- 15 2-layer flex and 15 4-layer flex from SCC company received
 - > Sent 3 to solder the socket
- Expected to bond chips on Friday

2023/3/16