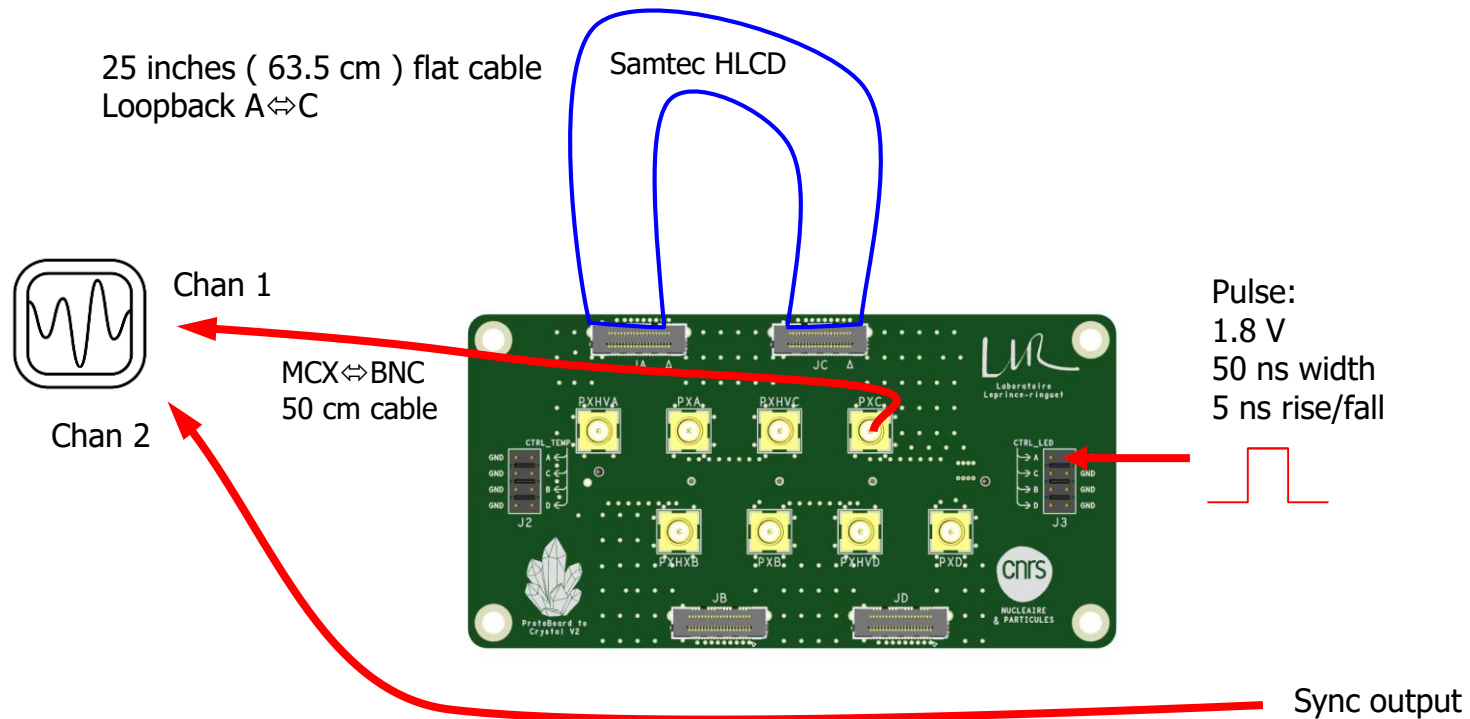


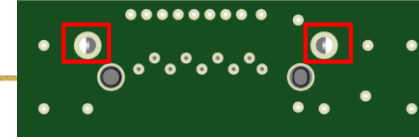
A few measurements with the Protoboard Interface Card

O. Le Dortz, Yoann Le Roux (LLR, Palaiseau, France)

We reproduced the measurements we've made at IJClab when injecting a pulse at the LED CTRL input

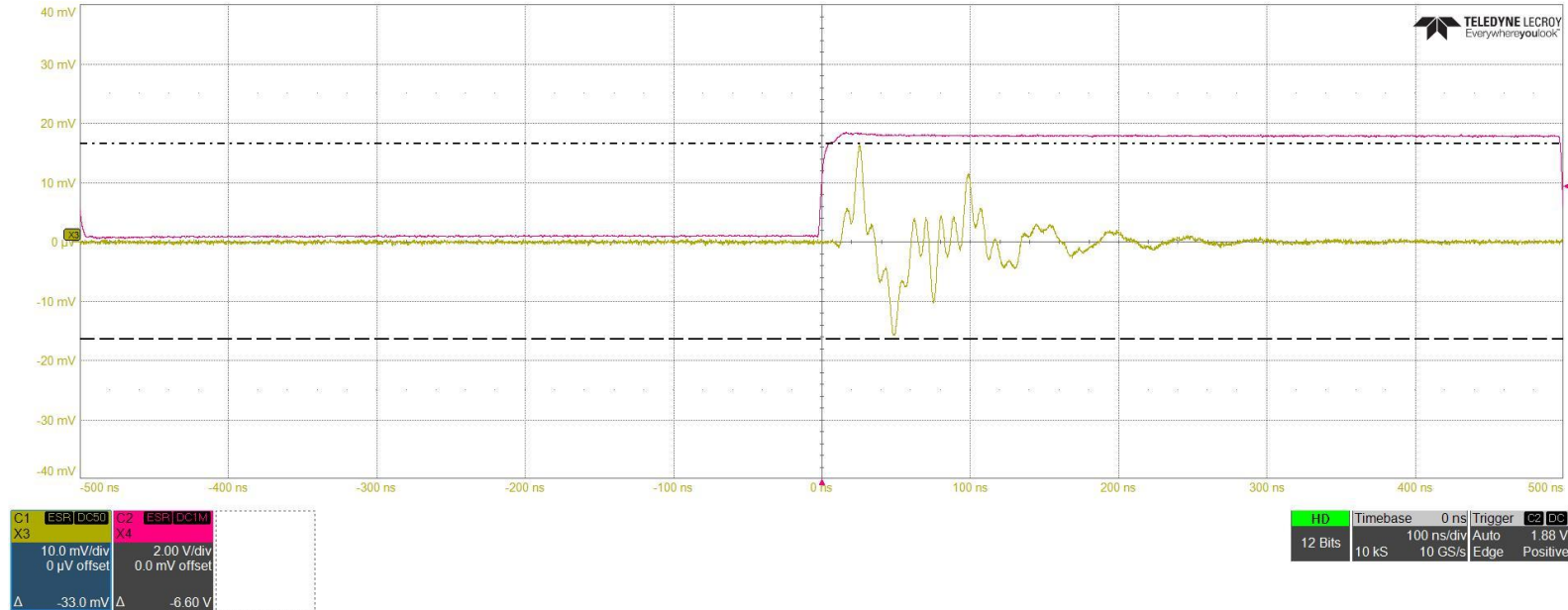


Initial Scheme (cf p.5)



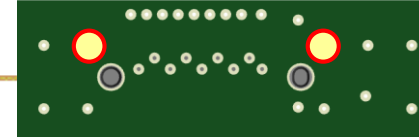
No GND connection of the flat cable connectors pins (floating shields)

=> The amplitude of the spikes significantly varies when moving the cable. Here, "best" case ($\sim 33\text{mV pp}$)



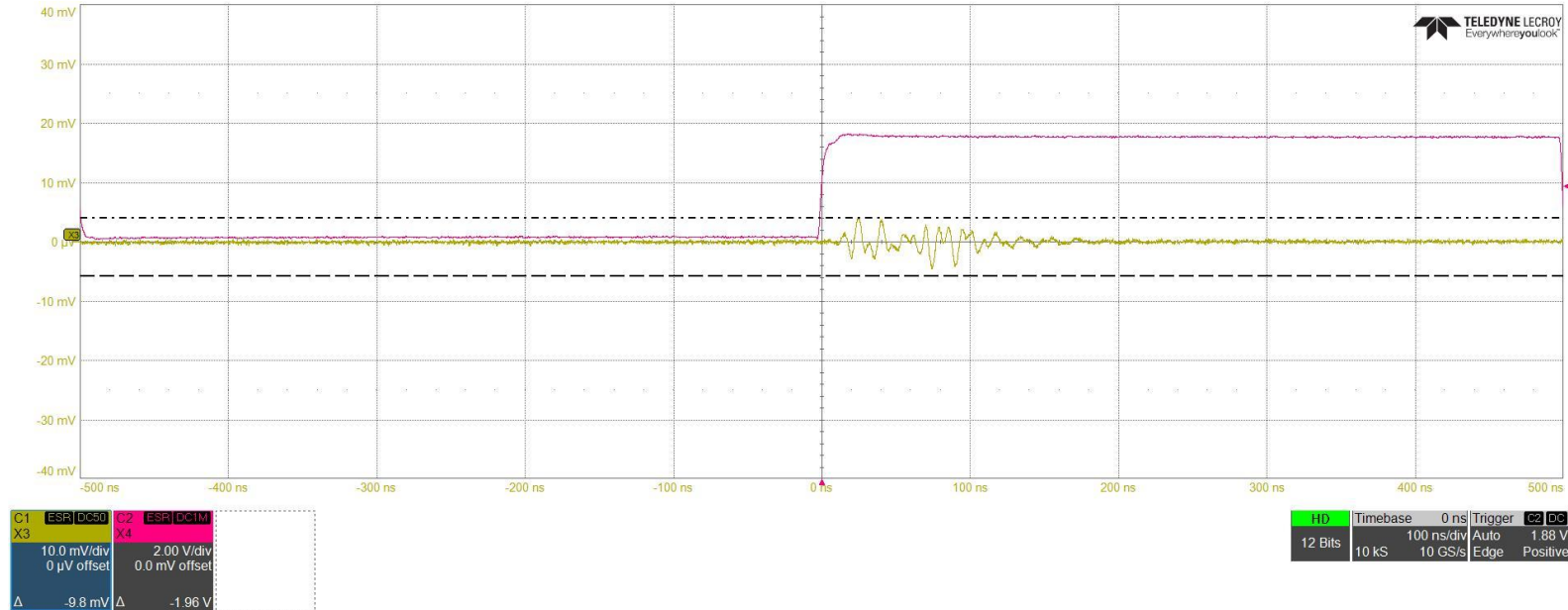
Signal Trigger

After shield pins soldering



Noticeable reduction of the spikes amplitude ($\sim 10\text{mV pp}$)

Conclusion: soldering the 2 GND pins on each connector **recommended** (if not already done)!



Signal Trigger

