

Newly added feature to the PKU Pixie-16 Custom Firmware (June 2020)

An option was added to send the external timestamp clock and clear as well as the run inhibit signals to the backplane using the MZTIO card:

external timestamp clock -> TriggerAll27

external timestamp clear-> TriggerAll26

run inhibit -> TriggerAll25

You can still use the front panel input pins to send in these signals. To select these signals from the backplane, please set TrigConfig3 bit 1 or 2 to 1, i.e.

TrigConfig3[1] == 1, select external timestamp clock and clear signals from the backplane

TrigConfig3[1] == 0, select external timestamp clock and clear signals from the front panel

TrigConfig3[2] == 1, select run inhibit signal from the backplane

TrigConfig3[2] == 0, select run inhibit signal from the front panel

This feature has been implemented in the **RevF_14_100**, **RevF_14_250**, **RevF_16_250**, and **RevF_14_500** variants.