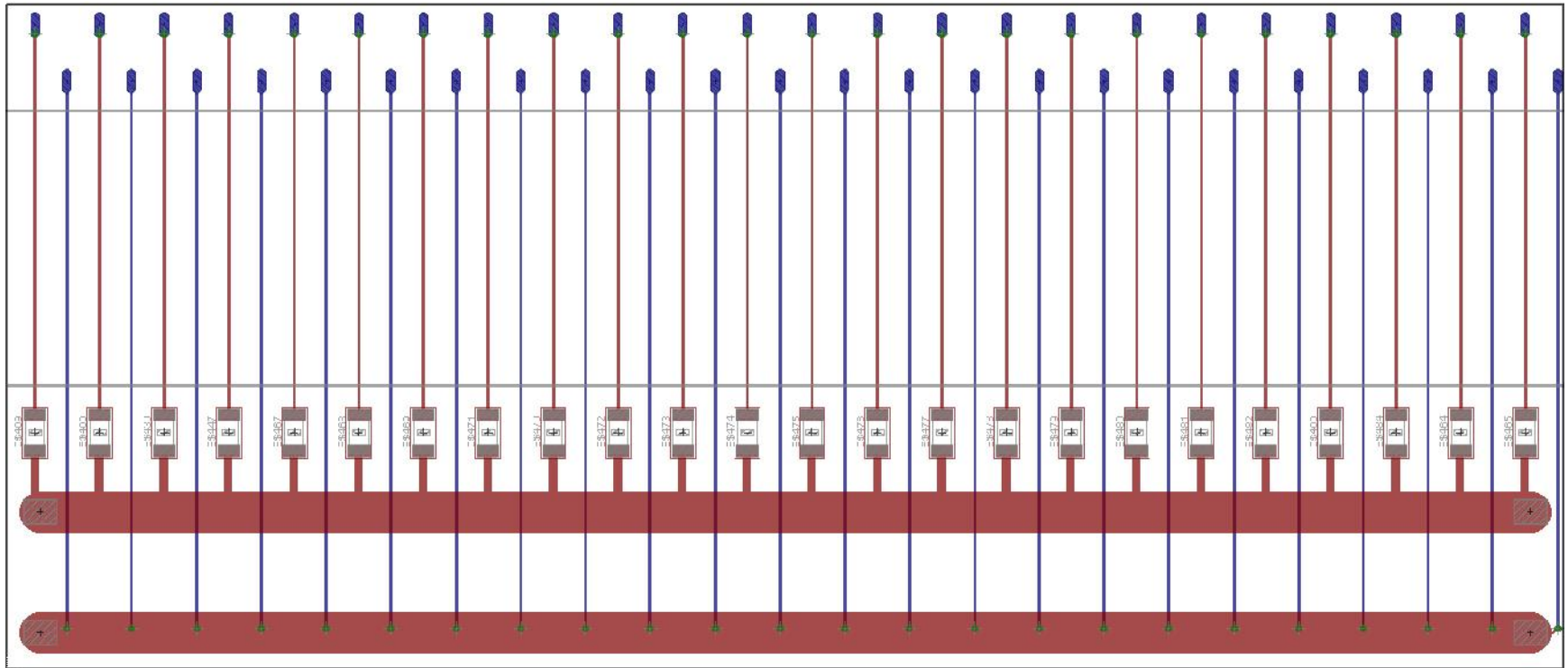


MWPC Medium Prototype Update

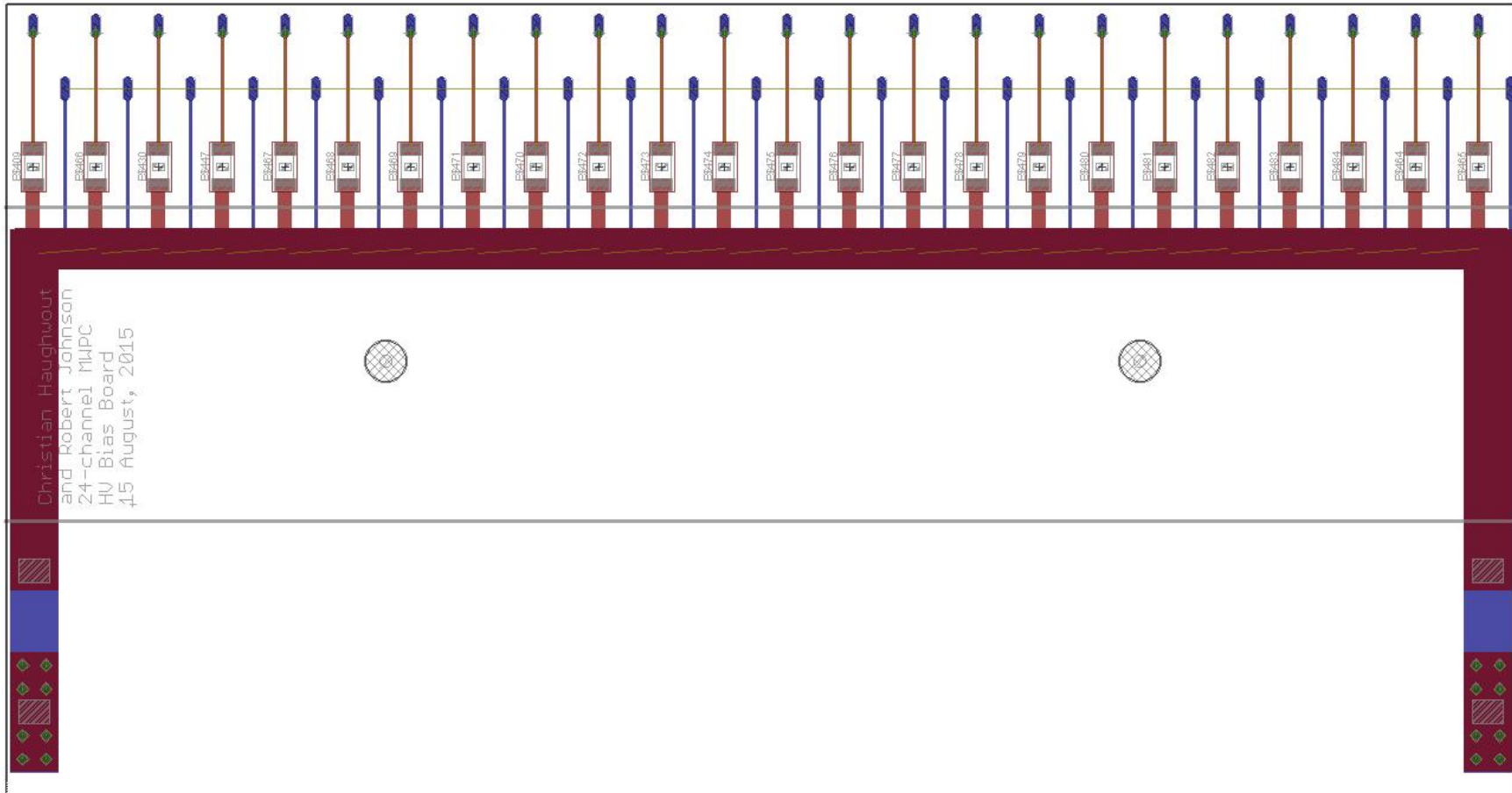
- ❖ 3D printed frames have arrived and appear to have no issues
- ❖ Another HV bias board has been ordered to fix issues overlooked on the first version
- ❖ Continuing to test the sense board before assembling detector

HV bias board, old design

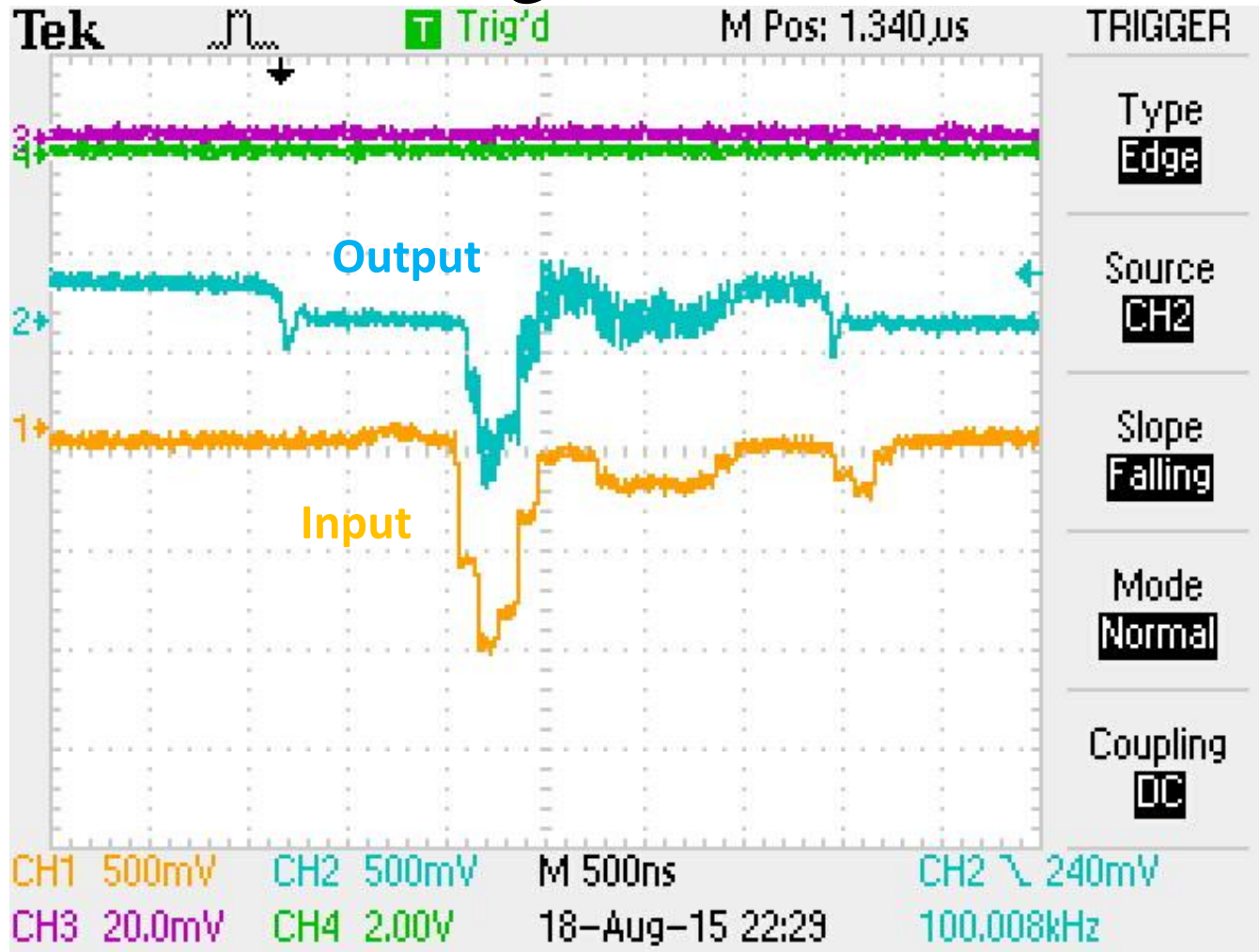


HV bias board, new design

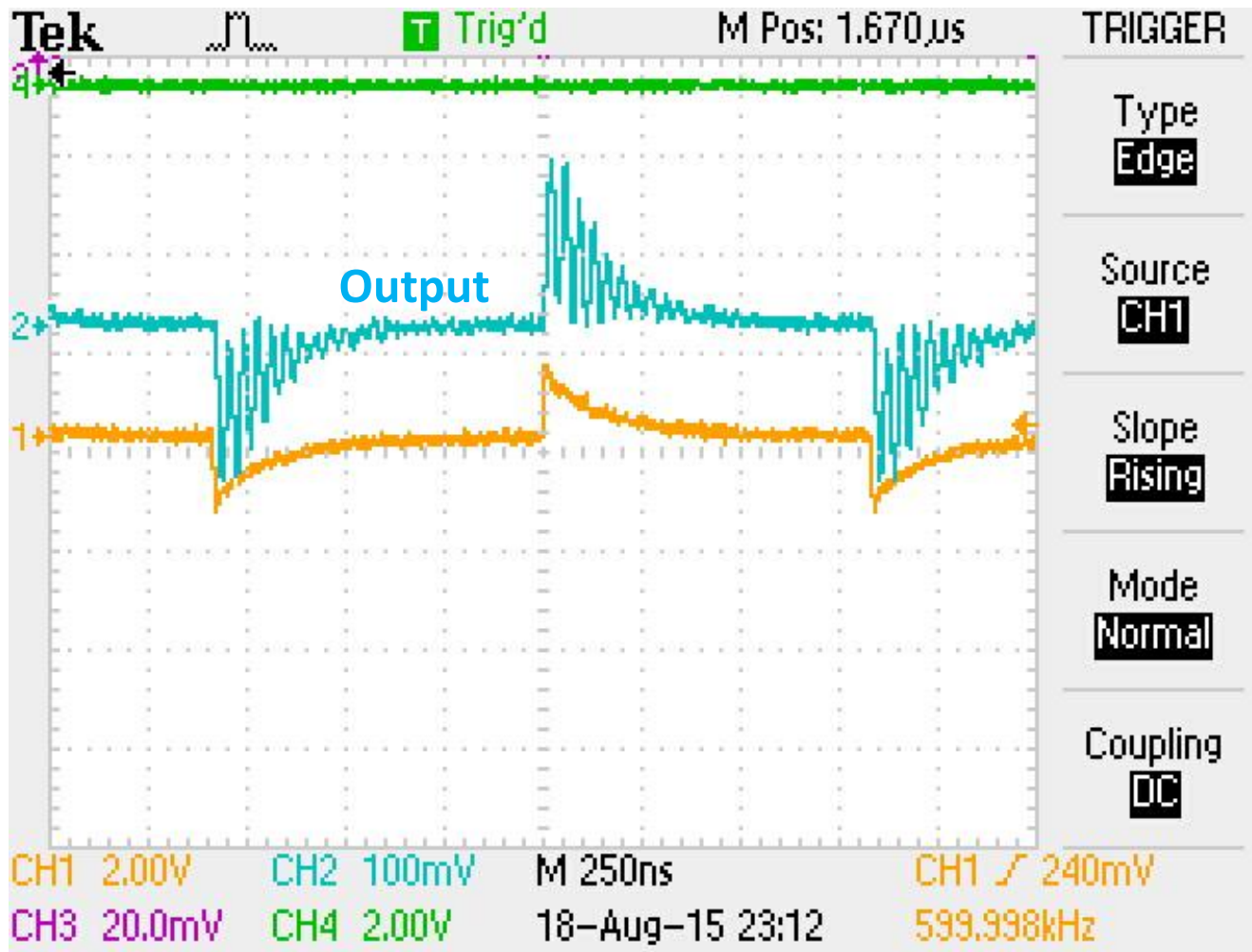
resistors moved internal, drill holes added



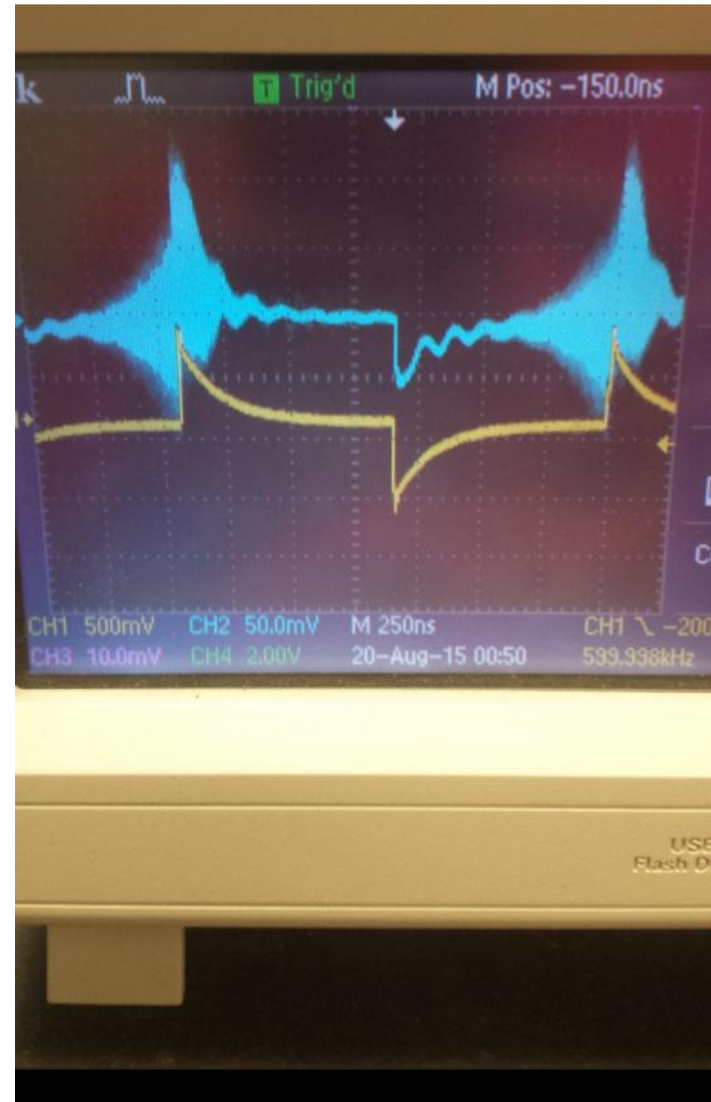
Testing Sense PCB



Sent simulated waveform to sense pads through 10K ohm resistor



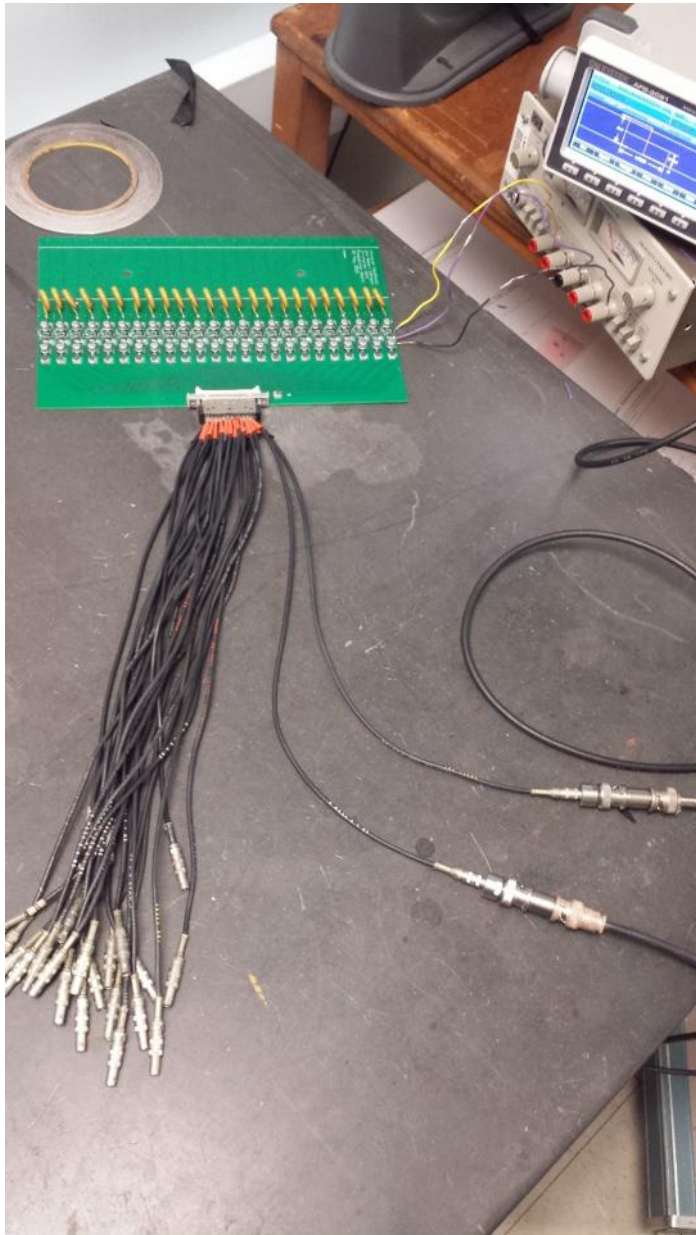
Sense PCB pulse circuit, driven with 600 kHz square wave



Noise was significantly reduced by adjusting wire hookup placement



MDR mating connector with LEMO connectors soldered to pinouts



Current testing setup