

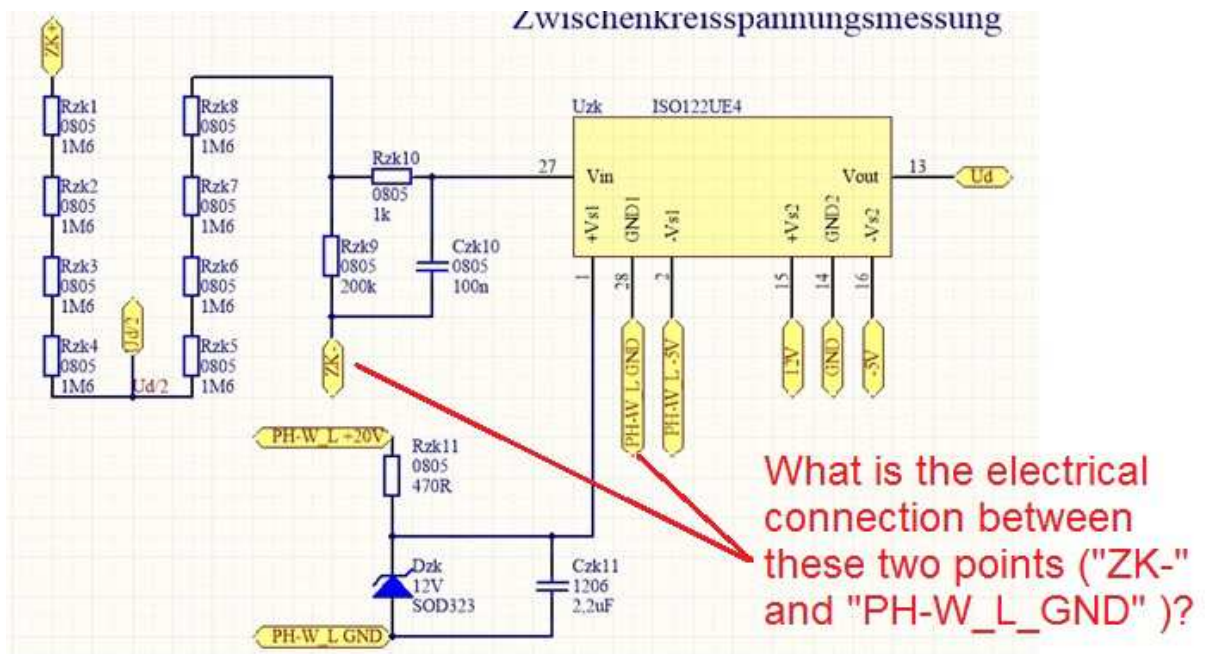
Hello Thomas,

Thank you very much for your latest test results. Unfortunately I do not fully understand your measurements. I will try my best to explain what I have understood in the attached document. Please read it through and correct me if I have misunderstood any point.

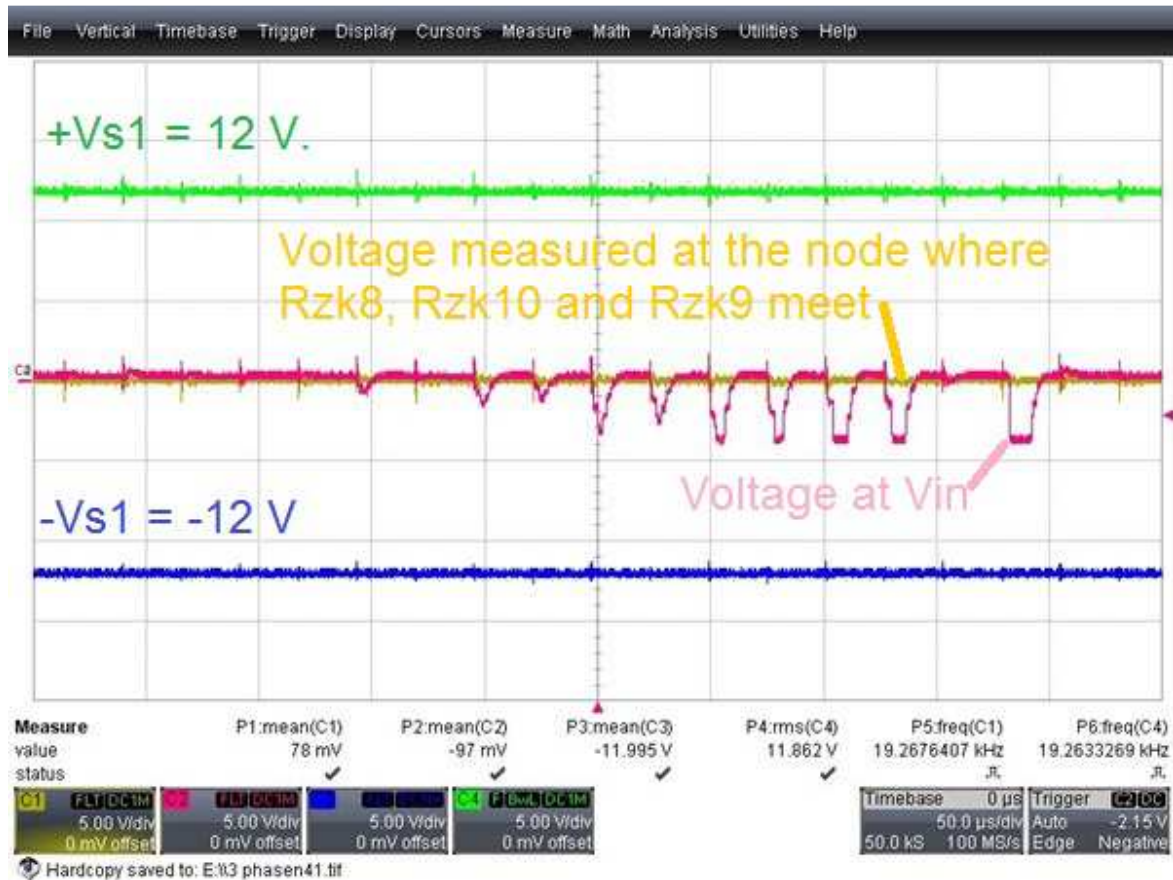
Best regards,

Jose

My first question is how are the two points "ZK-" and "PH-W_L_GND" connected? You must have some components between, don't you? If so, what are these components?



On the image below: could you please confirm that my labels are accurate?



I assume that you have no connection in your PCB between GND1 and GND2. If that is the case, could you please include another oscilloscope capture of the “+Vs2” with respect to “GND2”, “-Vs2” with respect to “GND2” and “Vout” with respect to “GND2”? Please make sure no terminal of your oscilloscope probes (probe or ground clip) touch the pins on the +Vs1/-Vs1/Gnd1 side.

Could you also please verify that the new external supplies you are using are isolated from the supplies you are using for +Vs2 and -Vs2? If not, could you use batteries in order to supply +Vs1 and -Vs1 on the one side and +Vs2 and -Vs2 on the other side?

Also, you mentioned that adding 24 uF from +Vs1 to Gnd1, and -Vs1 to Gnd1 has helped but you do not mention including any capacitance directly between +Vs1 and -Vs1 as I recommended on March 6th. Could you please add this capacitance and also add decoupling capacitors between +Vs2 and Gnd1, -Vs2 and Gnd1, and between +Vs2 and -Vs2. Altogether, capacitance should be added to six places. Let me know if this is not clear.