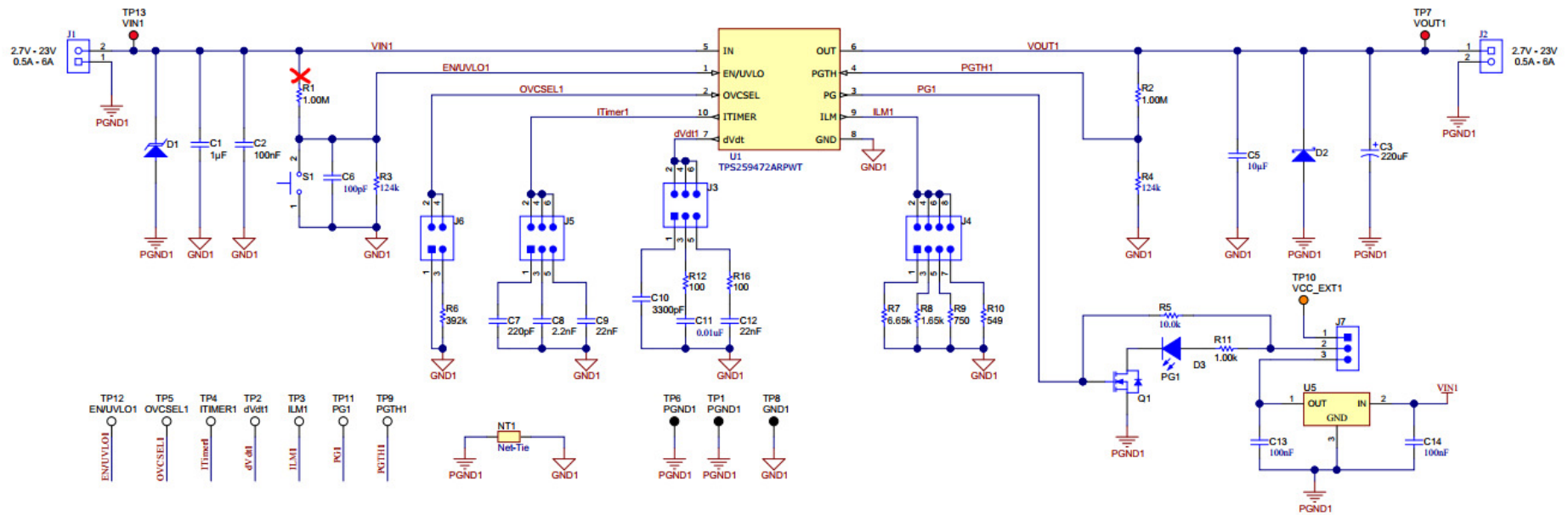


Q: How to activate the PG signal?

We are utilizing the U1 part of the TPS259472 EVM.

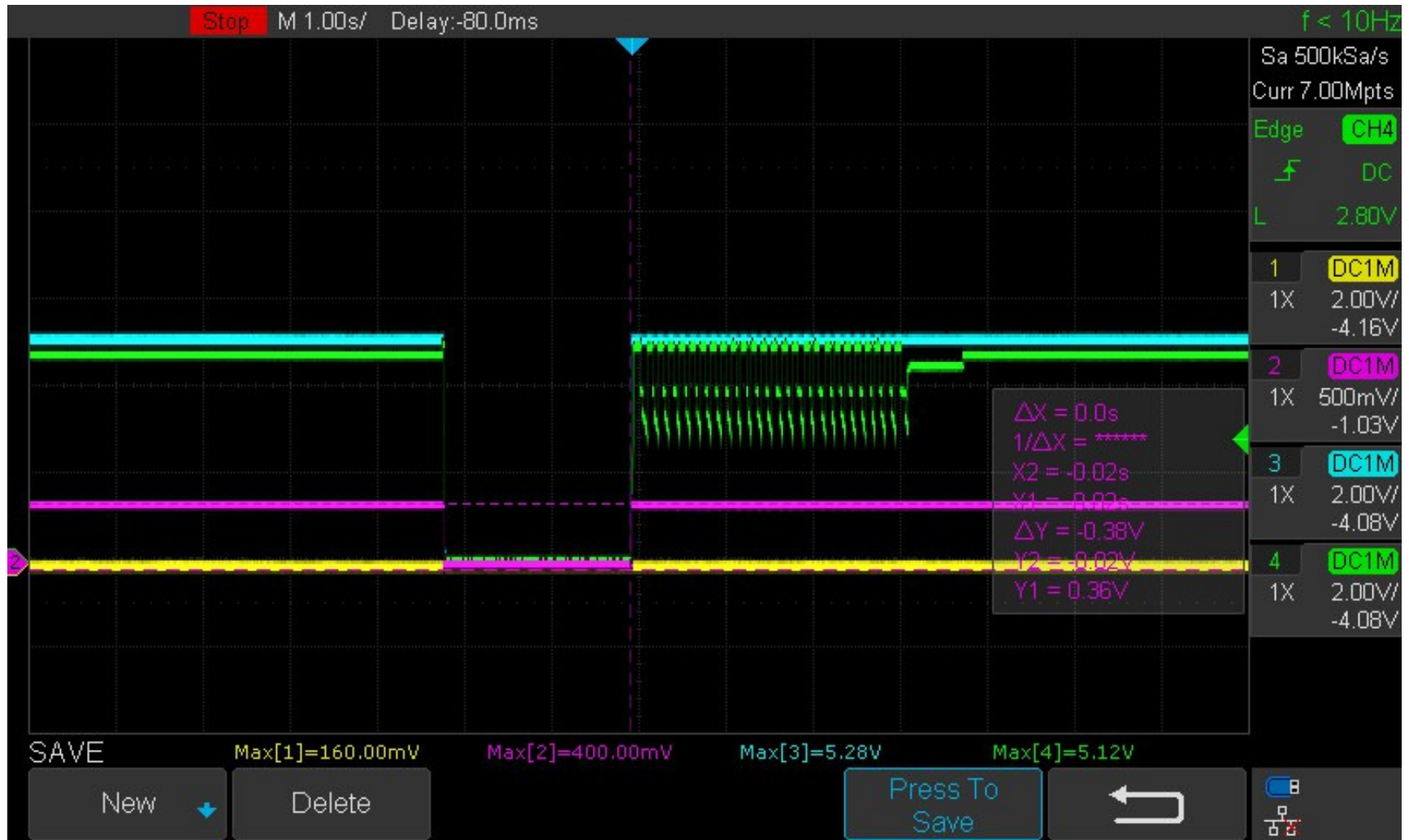
However, the PG waveform consistently remains **LOW** despite trying four settings for J4 (ILM).

Figure 3-1 illustrates the EVM schematic.



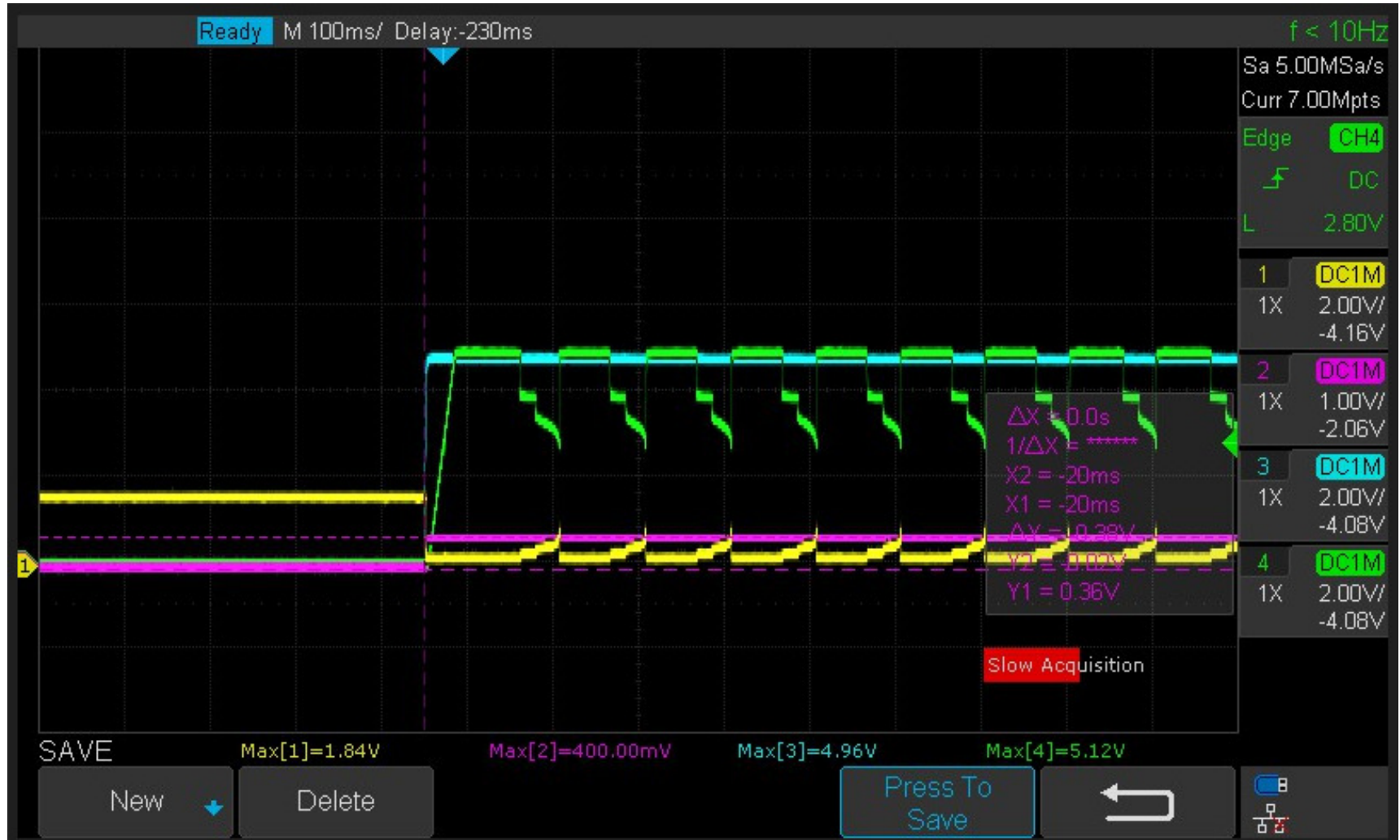
Power switch [TPS259472]

- ch1 PG of power switch
- ch2 EN of power switch
- ch3 VOUT of TPS55288
- ch4 VOUT of power switch



Zoom-in

- ch1 PG of power switch
- ch2 EN of power switch
- ch3 VOUT of TPS55288
- ch4 VOUT of power switch



Probe location

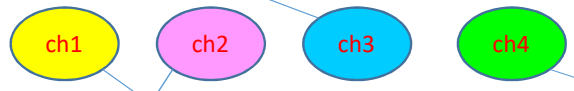
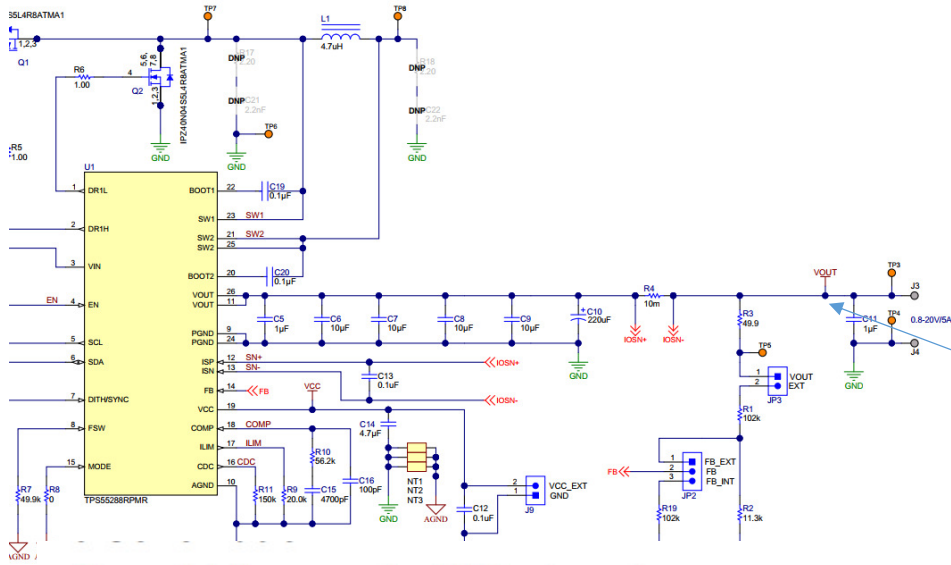
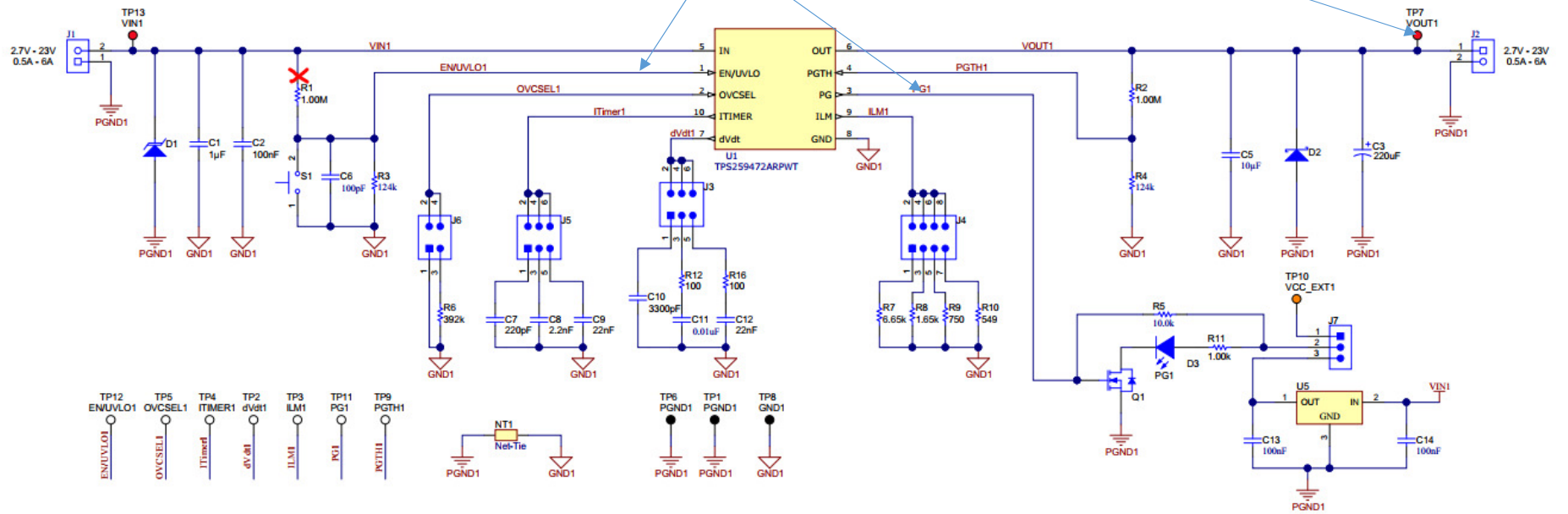


Figure 3-1 illustrates the EVM schematic.



Jumper Setting. (yellow mark)

We have tried each type of J4, but the PG waveform consistently remains LOW.

Table 4-3. Jumper Descriptions and Default Positions

Channel	Jumper	Label	Description	Default Jumper Position
CH1	J6	OVCSEI1	1-2 Position sets input OVC threshold at 3.87 V	3-4
			3-4 Position sets input OVC threshold at 13.84V	
			No jumper connection sets input OVC threshold at 5.73V	
	J5	ITIMER1	1-2 Position sets the transient current blanking period to 183ns	3-4
			3-4 Position sets the transient current blanking period to 1.83ms	
			5-6 Position sets the transient current blanking period to 18.3ms	
	J3	dVdt1	1-2 Position sets Output Slew Rate to 0.6 mV/us	3-4
			3-4 Position sets Output Slew Rate to 0.2 mV/us	
			5-6 Position sets Output Slew Rate to 0.09 mV/us	
	J4	ILM1	1-2 Position sets the current limit to 0.5A	7-8
			3-4 Position sets the current limit to 2A	
			5-6 Position sets the current limit to 4.44A	
			7-8 Position sets the current limit to 6A	
	J7	VCC Connection	1-2 Position connects external voltage, VCC_EXT1 as reference for PG1	2-3
2-3 Position connects on board generated voltage , VCC as reference for PG1				