



Test Procedure for the FPF3382 Evaluation Board

VDet Function

- a. Apply 2.2 V to IN
- b. Confirm $\text{OUT} = 0 \text{ V}$ and $\text{VDET} = 0 \text{ V}$ (drops to GND)

Normal Operation Check

- a. Apply 5 V to IN
- b. Set $\text{CTRL} = 0 \text{ V}$ (active low enable)
- c. Confirm $\text{OUT} = 5 \text{ V}$ and $\text{VDET} = \sim 4 \text{ V}$ (clamped output)

Enable/Disable Functionality

- a. Set $\text{CTRL} = 1.8 \text{ V} \rightarrow$ Confirm OUT drops to GND
- b. Set $\text{CTRL} = 0 \text{ V} \rightarrow$ Confirm OUT returns to 5 V

Over-Voltage Protection Check

- a. Apply 13 V to IN with $\text{OVLO} = 0 \text{ V} \rightarrow$ Confirm OUT drops to GND (OVP triggered)
- b. Float OVLO and Add Jumper to J7 \rightarrow Confirm $\text{OUT} = 13 \text{ V}$