



Test Procedure for the FPF2188L Evaluation Board

Basic Operation Check

- a. Apply 5 V to VBUS,
- b. Set $ENB = 0\text{ V}$, $OVLO_SEL = 0\text{ V}$, and $VIO = 1.8\text{ V}$

Confirm $VOUT = 5\text{ V}$, $BUS_DET\text{ (POK)} = 4\text{ V}$, and $OV_FLAGB = 1.8\text{ V}$

Enable/Disable Functionality

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

Overvoltage Protection Check

- a. Apply 13 V to VBUS $\rightarrow$ Confirm $OV_FLAGB = 0\text{ V}$, $VOUT$ drops to GND

OVLO Threshold Adjustment

- a. Set $OVLO_SEL = 1.8\text{ V} \rightarrow$ Confirm $VOUT = 13\text{ V}$

High Voltage Cutoff

- a. Apply 22 V to VBUS $\rightarrow$ Confirm $VOUT$ drops to GND,