

LED FLASHER:

1. LED Flasher can be monitored by observation of the LEDs on the front of the breakout box and connecting a VOM, volts setting, to MUX 1 and MUX 2 front panel connectors.

2. **Power up settings:**

LED DAC:	5V
Pulse LED:	1(off)
LED ON:	1(off)
LED +/-:	1(+)

3. **Test preparation settings:**

readfile led.macro
Set LED DAC: *LEDDAC(5)*
Set Pulse LED off: *LEDpulse(1)*
Set LED ON off: *LEDOff*
Set LED+/- to +: *LEDplus*
Select Mux 1 output *Mux1(LEDV)*
Select Mux 2 output *Mux2(LEDI)*

LED DAC:	5V
Pulse LED:	1(off)
LED ON:	1(off)
LED +/-:	1(+)

4. **LED ON test:**
Input settings in Step 3 before starting test.
Turn LED on: *LEDOn*

LED DAC:	5V
Pulse LED:	1(off)
LED ON:	0(on)
LED +/-:	1(+)

Does the + LED turn on? _____

Change the Dac amplitude and observe LED I MON on Mux 2.
LEDDAC(x) x = 0 to 10V

DAC	I Mon	Vmon
0		
2		
5		
7		
10		

Does the current value change? _____

Turn off LED *LEDOff*

5. **LED+/- test:**
Input settings in Step 3 before starting test.

Turn LED On: *LEDOn*
Change LED polarity: *LEDminus*
Change LED polarity: *LEDplus*

LED DAC:	5V
Pulse LED:	1(off)
LED ON:	0(on)
LED +/-:	1/0(+/-)

Do the + and - LEDs on the breakout box light up? _____

Turn LED off: *LEDOff*

6 . Pulse LED test:

Input settings in Step 3 before starting test. The pulse under normal operations is a single pulse for each time that the Pulse LED command is executed. This test will flash the LED as many times as are inputted into the test loop.

LED DAC:	5V
Pulse LED:	0(on)
LED ON:	1(off)
LED +/-:	x

NOTE: The pulse is of a short duration which requires a close inspection of the LED to verify that it is flashing.

Run pulse loop *LEDpulse(x)* x = number of times LED is pulsed

Does one of the LEDs flash? _____