

## QUICK START PROCEDURE

Demonstration circuit 633 is easily setup to evaluate the high efficiency of the LTC3202, low noise white LED driver circuit. Refer to Figure 1 for proper equipment setup and follow the procedure outlined below.

**NOTE:** When measuring the input or output voltage ripple, care must be taken to avoid a long lead on the oscilloscope probe. Measure the input or output voltage ripple by touching the probe tip directly across the Vin or Vout and Gnd terminals, as shown in Figure 2.

1. Before turning "ON" the power supply, connect a 3.3V, 500mA bench supply to the Vin and Gnd terminals.
2. Set jumpers JP1 and JP2 to the "1" position.
3. Turn "ON" the input supply and observe that the white LED's light up. The VFB voltage should measure approximately 0.6V.
4. For 2/3 brightness connect JP1 to the "0" position and leave JP2 in the "1" position. For 1/3 brightness connect JP2 to the "0" position and leave JP1 in the "1" position.

**Design files for this circuit board are available. Call the LTC factory.**

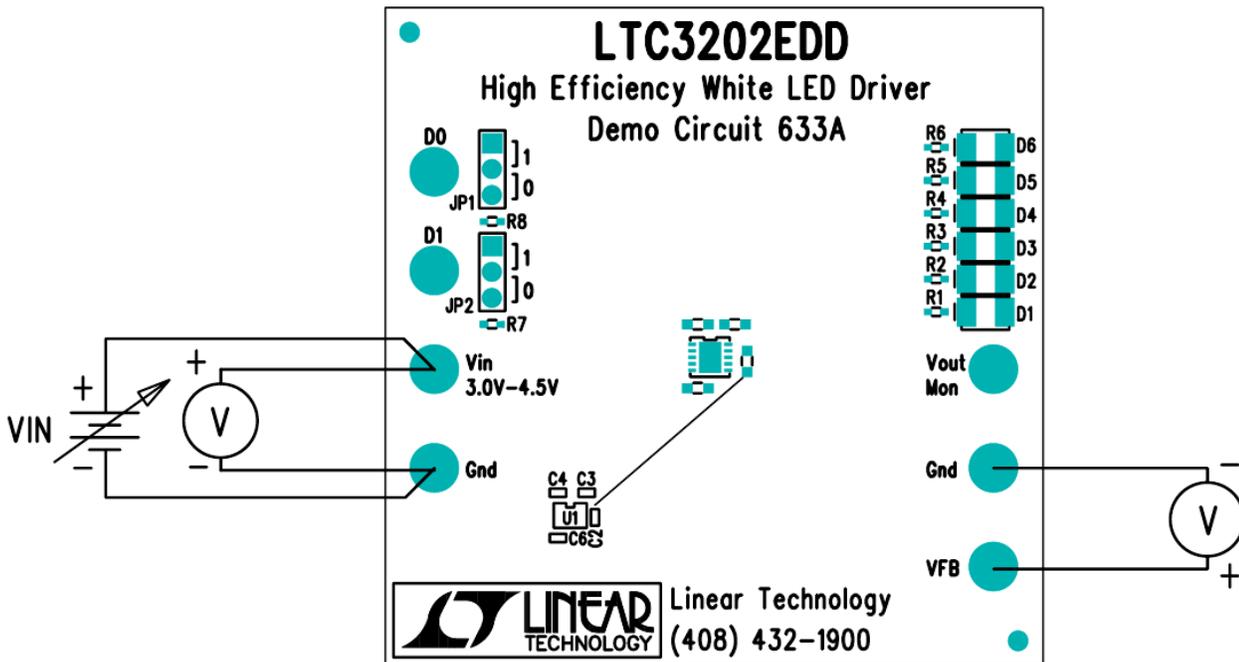
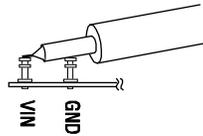


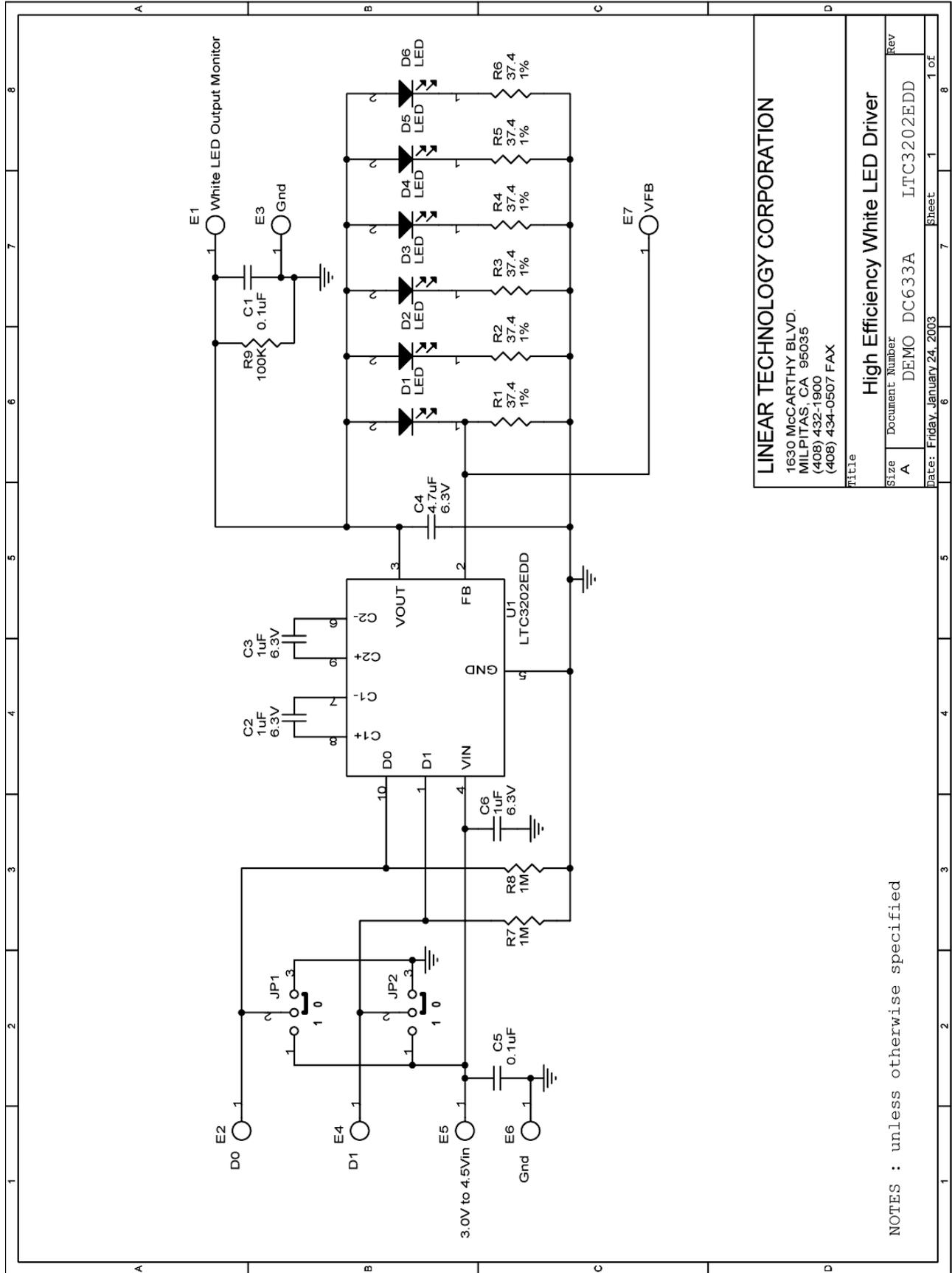
Figure 1. Proper Measurement Equipment Setup



**Figure 2. Measuring Input or Output Ripple**

# QUICK START GUIDE FOR DEMONSTRATION CIRCUIT 633

## WHITE LED DRIVER FRACTIONAL CHARGE PUMP



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### High Efficiency White LED Driver

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NOTES : unless otherwise specified