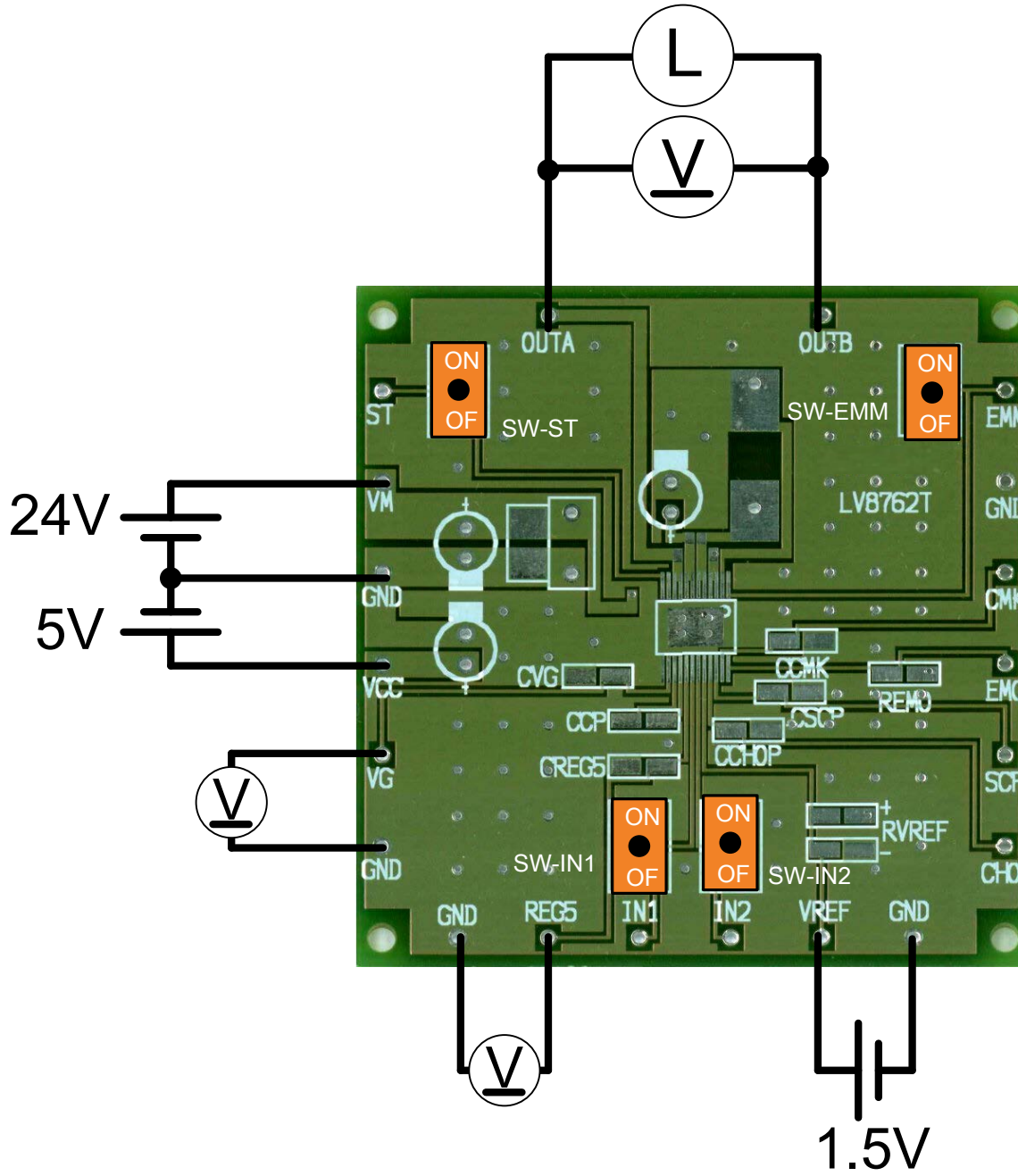


Test Procedure for the LV8762TEVB Evaluation Board



**Table 1: Required Equipment**

Equipment	Product name	Qty
Power supply	KIKUSUI PMC18-3A	3
Multimeter	ADVANTEST R6441D	3
Electronic Load	KIKUSUI PLZ164W	1
Evaluation Board	LV8762TEVB	1

Test Procedure:

1. Connect the test setup as shown above.
2. Turn off the all switches.
3. Apply an input voltage, $V_M=24V$ across V_M and GND.
4. Apply an input voltage, $V_{CC}=5V$ across V_{CC} and GND.
5. Apply an input voltage, $V_{REF}=1.5V$ across V_{REF} and GND.
6. Turn on the switch 'ST' as impress 5V to ST-pin.
7. Check the voltage V_{REG5} . It should be about 5V.
8. Check the voltage V_G . It should be about 28.7V.
9. Turn on the switch 'IN1' as impress 5V to the IN1-pin,
And turn off the switch 'IN2' as impress 0V to the IN2-pin.
10. Check the voltage between OUTA and OUTB. It should be about 24V.
11. Turn on the switch 'IN2' as impress 5V to the IN2-pin,
And turn off the switch 'IN1' as impress 0V to the IN1-pin.
12. Check the voltage between OUTA and OUTB. It should be about -24V.
13. Turn off the switch 'IN1' and 'IN2'.
14. Apply 0.5A loading from the electronic load and Turn on the switch 'IN1'.
15. Check the current OUTA to OUTB. It should be about 0.5A.
16. Apply 1.0A loading from the electronic load.
17. Check the current OUTA to OUTB. It should be about 0.5A.
(Q: Why is it not 1.0A? A: Because current limiting is working.)
18. Turn Off the All switches.
19. Power down V_M and V_{CC} .
20. End of test.