Test Procedure for MC34063 Buck Regulator (SMD) Demonstration Board

**ON Semiconductor** 



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Table 1: Required Equipment		
Three Black Test Leads	Three Red Test Leads	100mA load (or 33 ohm, 1W resistor)
12 VDC Power Supply	MC34063 Buck Regulator	Digital Multimeter
Four Alligator Clips		



Figure 1: Test Procedure for MC34063

- 1. Attach 100mA load (or 33 ohm, 1W resistor) to connector P102.
- 2. Attach 12 VDC source to connector P101 observe polarity.
- 3. Turn on 12VDC source.
- 4. Measure DC output voltage at connector P102.
- 5. DC voltage should be  $3.3 \text{ V} \pm 0.15 \text{ V}$ .
- 6. Remove load.
- 7. Measure DC output voltage at connector P102.
- 8. DC voltage should be  $3.3 \text{ V} \pm 0.15 \text{ V}$ .
- 9. Remove 12 VDC source and disconnect load test complete.