



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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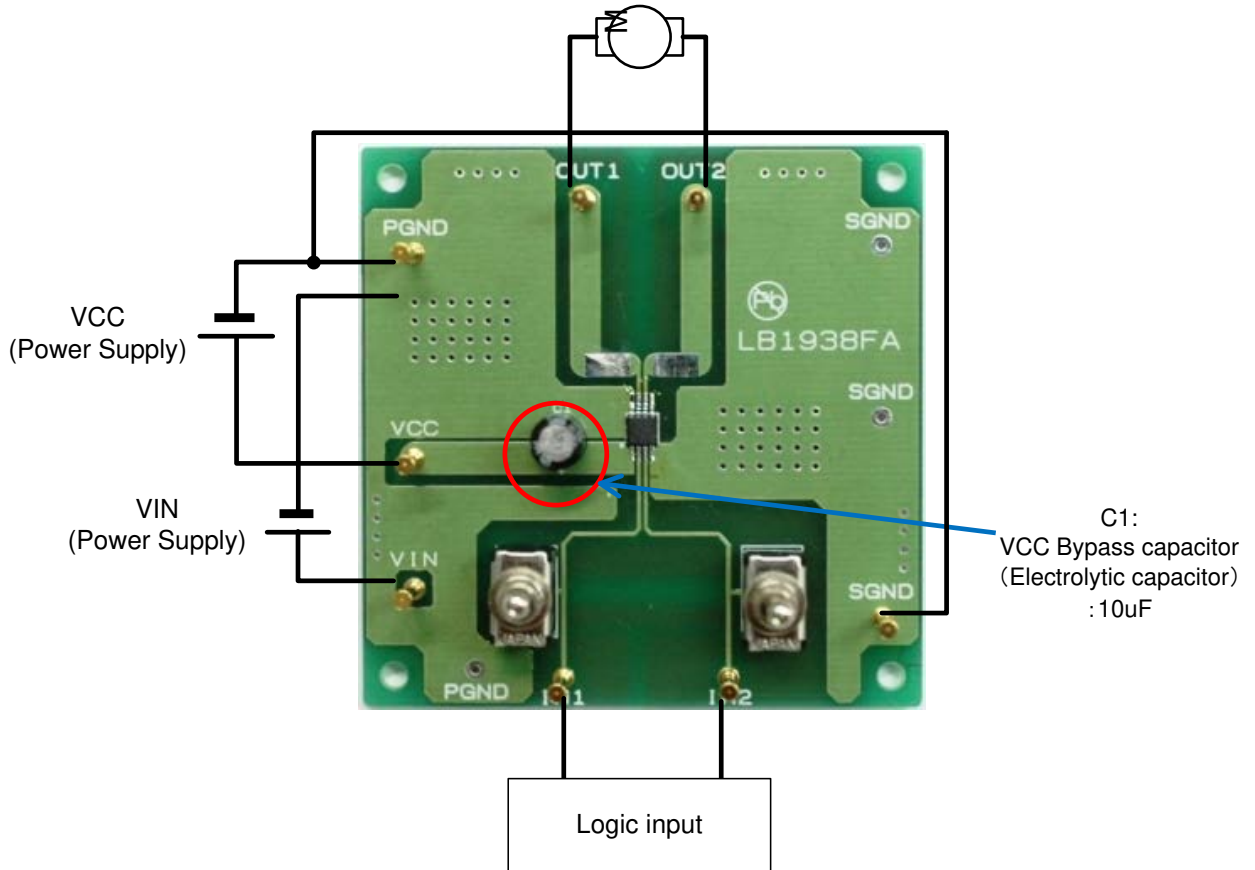
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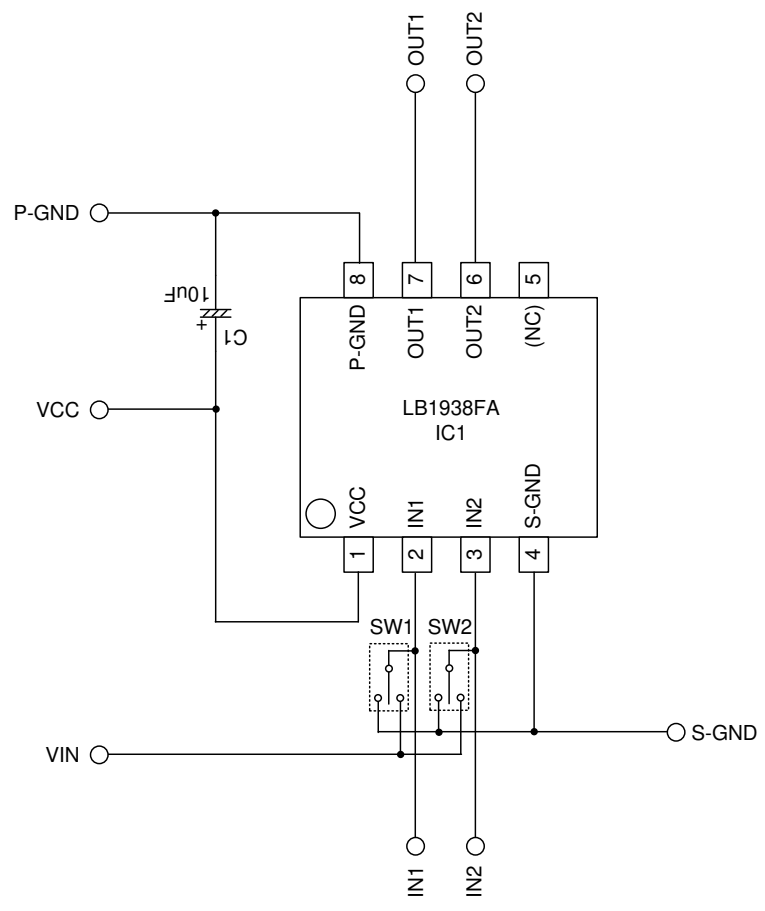
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# Test Procedure for the LB1938FAGEVB Evaluation Board



(Circuit diagram of the evaluation board)



**Evaluation Board Manual**

[Supply Voltage]      VCC (2.2 to 10V): Power Supply for LSI

[Toggle Switch State]    Upper Side: High (VIN)  
                                  Middle: Open, enable to external logic input  
                                  Lower Side: Low (GND)

[Operation Guide]

For DC motor control

1. **Initial Condition Setting:** Set the toggle switches “Open or Low”
2. **Motor Connection:** Connect the Motor between OUT1 and OUT2.
3. **Power Supply:** Supply DC voltage to VCC, VIN.
4. **Motor Operation:** Set IN1 and IN2 terminals according to the purpose (See LB1938FA datasheet).

- Truth value table

IN1	IN2	OUT1	OUT2	Mode
L	L	OFF	OFF	Standby
H	L	H	L	Forward
L	H	L	H	Reverse
H	H	H	H	Brake

DCmotor load VCC = 3V IN2 = "H"  
Current waveform example - "brake current"

