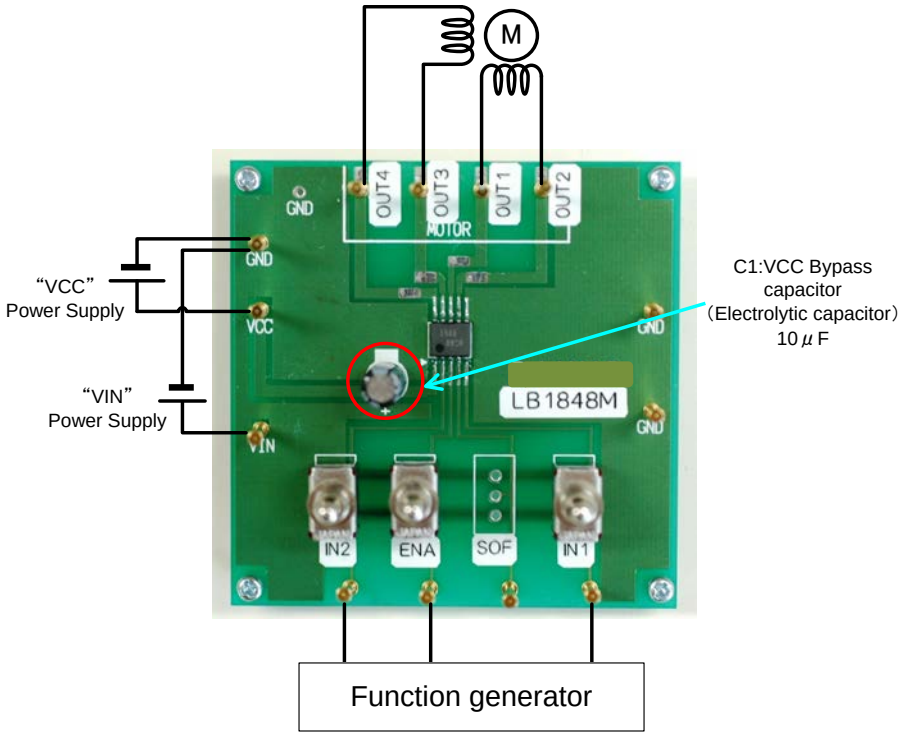
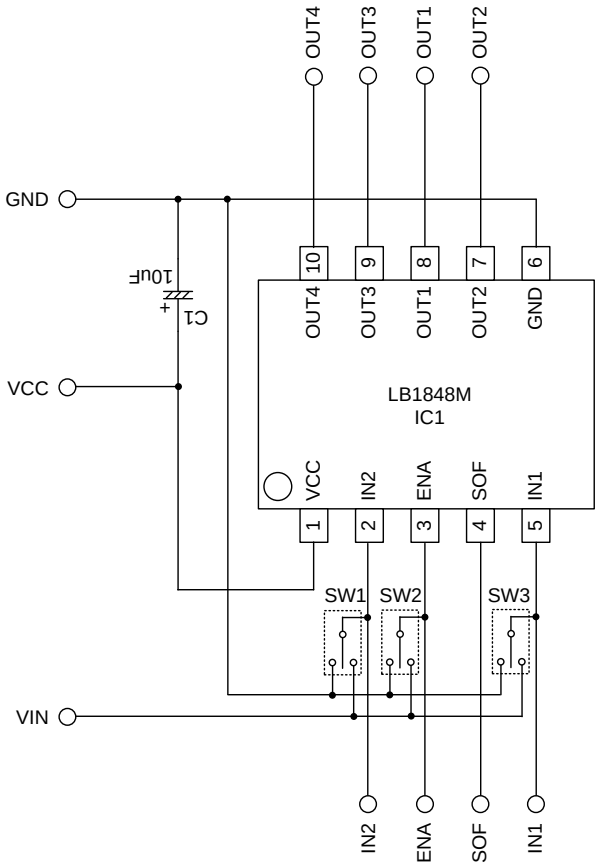
Test Procedure for the LB1848MGEVB Evaluation Board



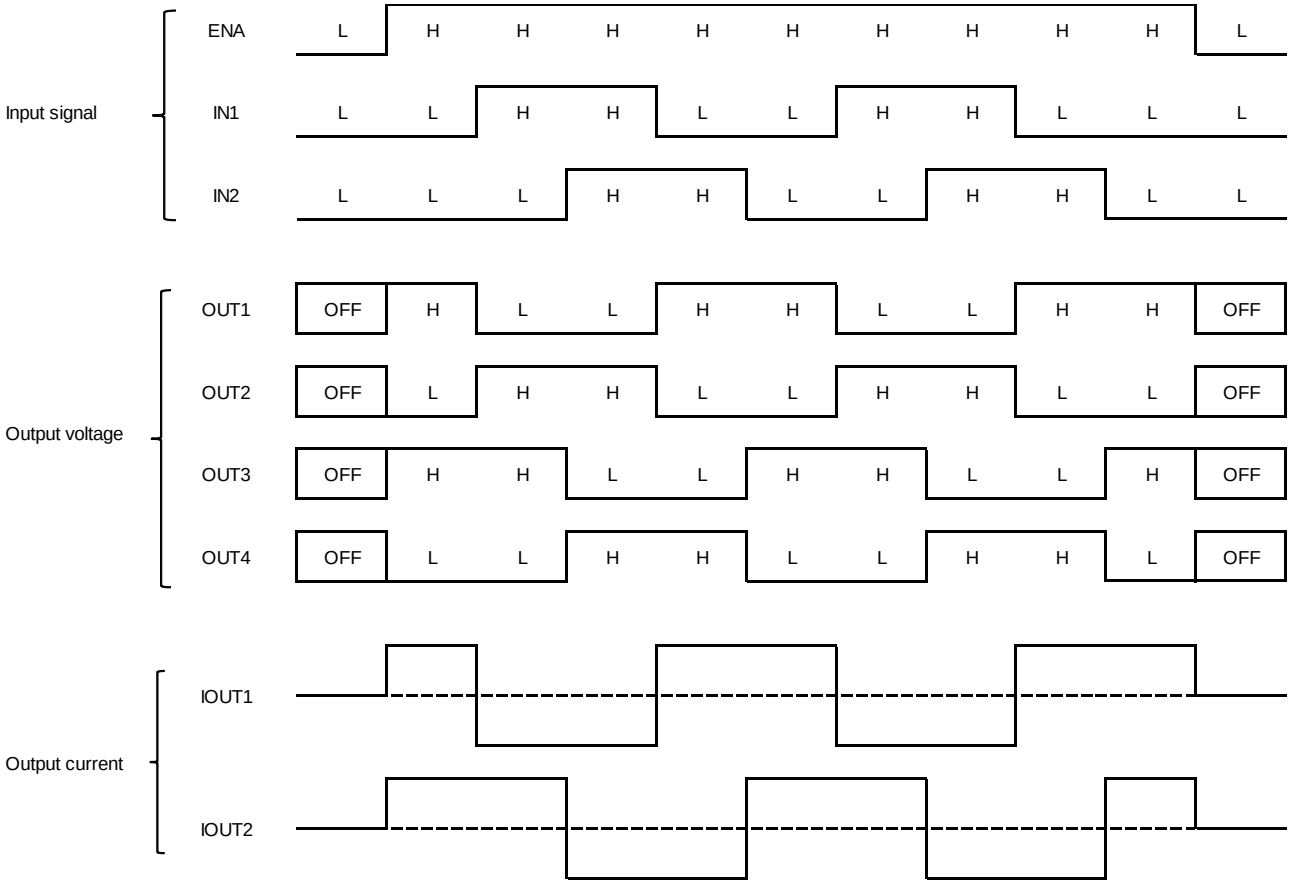
(Circuit diagram of the evaluation board)



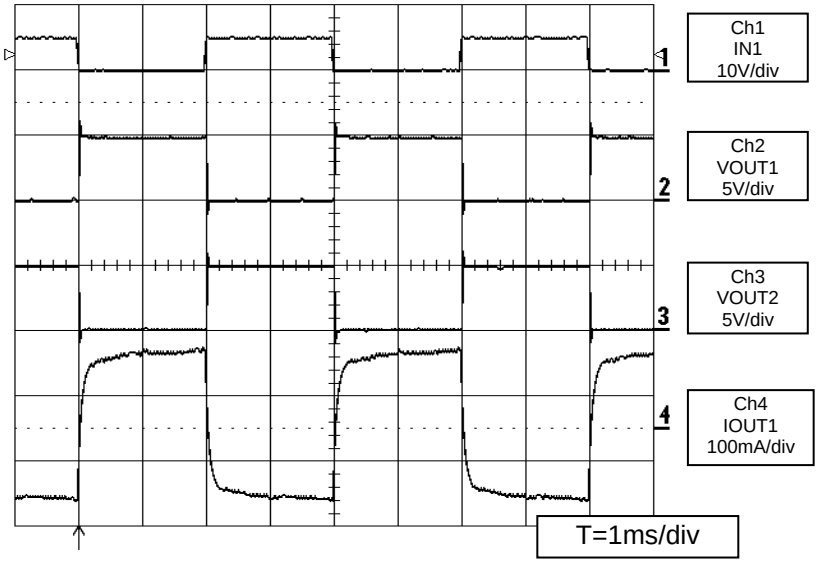
(Supply Voltage)
VCC (2.5 to 7.5V): Motor power supply voltage for IC
VIN(2.5 to 7.5V): Control power supply voltage for IC

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

(Testing method)
・Connect a stepper motor with OUT1, OUT2, OUT3 and OUT4.
・Connect the motor power supply with the terminal VCC, the control power supply with the terminal VIN.
Connect the GND line with the terminal GND.
・Stepper motor drives it in 2phase excitation by inputting a signal such as follows into ENA,IN1 and IN2.
・Check the stepper motor is rotating.
・Check the waveform of the output voltage and current.(Please refer to the following waveform example.)



•Stepper motor driving waveform example



VCC=ENA=5V, SOF=open
2phase excitation, 1000pps