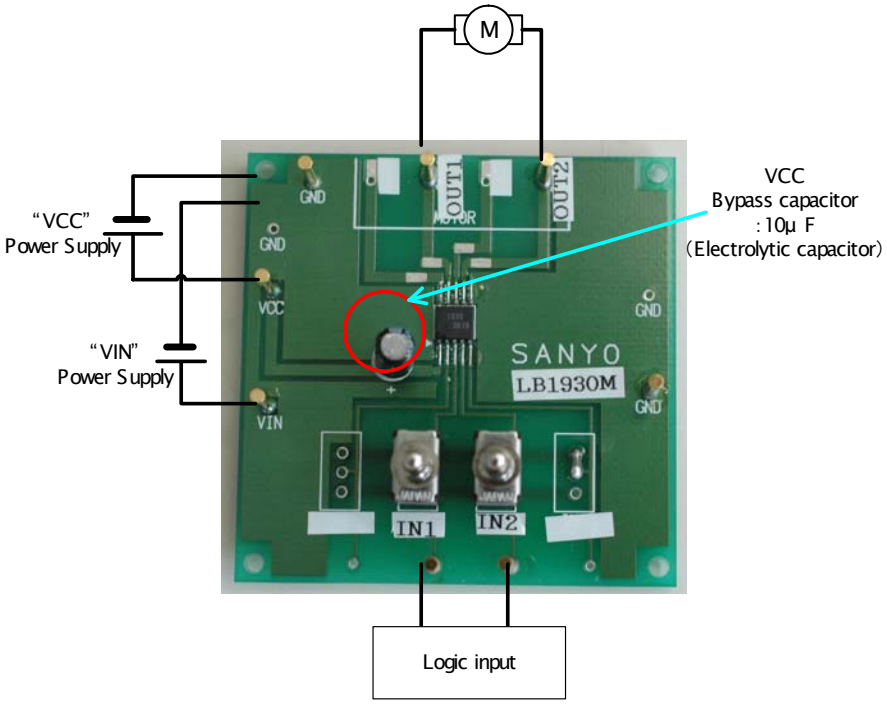
Test Procedure for the LB1930MGEVB Evaluation Board

SANYO Semiconductors
An ON Semiconductor Company



LB1930M (57.0 mm × 57.0mm × 1.6mm, glass epoxy 2-layer board)

Supply Voltage:

- VCC (2.2 to 10.8V): Power Supply for LSI

Toggle Switch State:

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

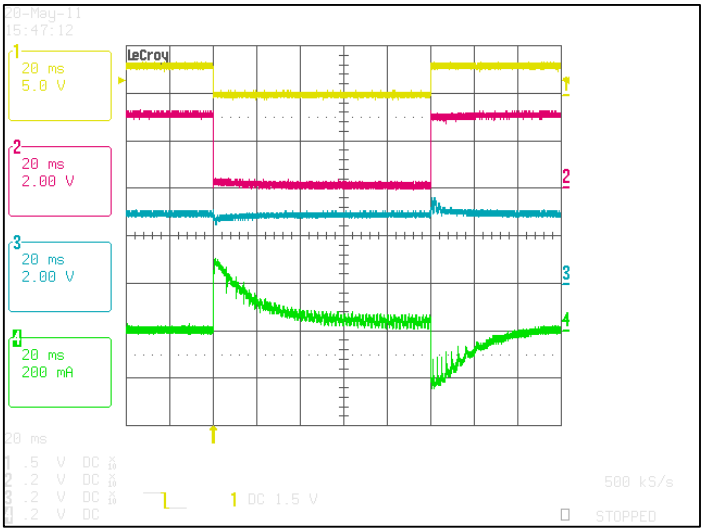
Testing Procedure for DC Motor Control:

1. **Initial Condition Setting:** Set the toggle switchs "Open or Low".
2. **Motor Connection:** Connect the Motor(s) 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 LB1930M 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

DC Motor Load
VCC = 3V IN2 = "H"



(Current waveform example - “brake current”)