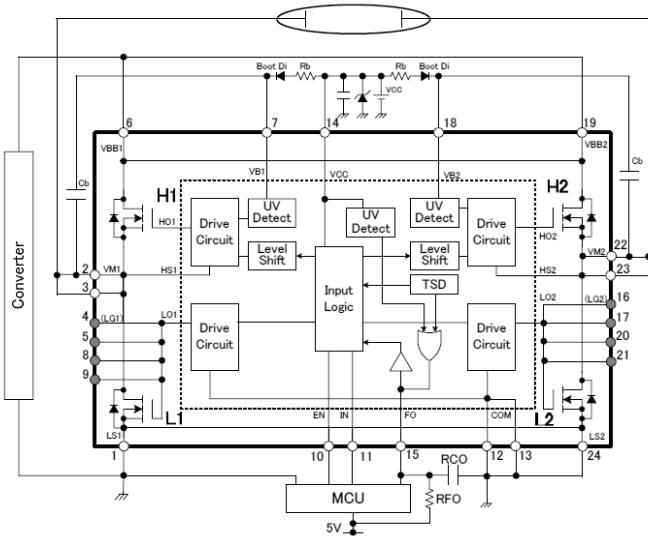


■Typical Connection Diagram



The input pull-down resistor is built in IC (about 22 kΩ). However, if the input is expected to be unstable or to fluctuate greatly, it needs to be reinforced using an external resistor.

Attach capacitors near the IC. Attach a ceramic capacitor in parallel with the electrolytic capacitor if too much noise is generated.

When inserting a current sense resistor between LS1/LS2 and COM, make sure to specify the resistance so that the voltage between LS1/LS2 and COM is 1 V or less.

■Pin Assignment

Pin No.	Symbol	Function
1	LS1	MOSFET L1 source pin/MOSFET L2 source pin
2	VM1	MOSFET H1 source pin/MOSFET L1 drain pin
3	VM1	Same as above
4	(LG1)	Cut pin (MOSFET L1 gate pin)
5	(LG1)	Same as above
6	VBB1	MOSFET H1 drain pin/MOSFET H2 drain pin
7	VB1	High side floating power supply pin 1
8	(LG1)	Cut pin (MOSFET L1 gate pin)
9	(LG1)	Same as above
10	EN	Input pin for enabling output
11	IN	Input pin for switching output
12	COM	Pre-drive IC ground pin
13	COM	Same as above
14	VCC	Pre-drive IC power supply pin
15	FO	Fo signal output pin
16	(LG2)	Cut pin (MOSFET L2 gate drive pin)
17	(LG2)	Same as above
18	VB2	High side floating power supply pin 2
19	VBB2	MOSFET H1 drain pin/MOSFET H2 drain pin
20	(LG2)	Cut pin (L2 gate drive pin)
21	(LG2)	Same as above
22	VM2	MOSFET H2 source pin/MOSFET L2 drain pin
23	VM2	Same as above
24	LS2	MOSFET L1 source pin/MOSFET L2 source pin

■Truth Table

EN	IN	FO	H1	H2	L1	L2
L	X	X	OFF	OFF	OFF	OFF
X	X	H	OFF	OFF	OFF	OFF
H	H	L	ON	OFF	OFF	ON
H	L	L	OFF	ON	ON	OFF

■External Dimensions (ZIP24 with Fin [SLA24Pin])

(Unit : mm)

