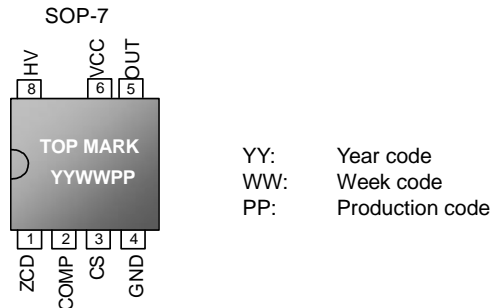


Pin Configuration



Ordering Information

Part number	Package	Top Mark	Shipping
LD7838HGR	SOP-7	LD7838H GR	2500 /tape & reel

The LD7838HGR is ROHS compliant/ green packaged.

Protection Mode

Part number	BNI/BNO	VCC OVP	ZCD OVP	OLP	Output Short
LD7838H	Yes	Latch	Auto(1 st time Hiccup)	Latch	Auto(4 th times Hiccup)

Pin Descriptions

Pin	NAME	FUNCTION
1	ZCD	Quasi resonance detector and programmable maximum ON-time.
2	COMP	Feedback pin. Connect a photo-coupler to close the control loop to achieve regulation.
3	CS	Current sense pin, connect it to sense the MOSFET current for OCP.
4	GND	Ground.
5	OUT	Gate drive output to drive the external MOSFET.
6	VCC	Power source VCC pin.
8	HV	Connect this pin to positive terminal of main bulk cap to provide the startup current for controller. When Vcc is UVLO on, the HV loop will open and turn off internal current source to minimize the power loss.