

Pin Description

Pin No.	Symbol	Description
1	V _{SP}	Speed control input
2	HUP	U-phase Hall signal input (+) pin
3	HUM	U-phase Hall signal input (-) pin
4	HVP	V-phase Hall signal input (+) pin
5	HVM	V-phase Hall signal input (-) pin
6	HWP	W-phase Hall signal input (+) pin
7	HWM	W-phase Hall signal input (-) pin
8	V _{refout}	Outputs reference voltage signal (5 V / 35 mA)
9	LA	Lead angle setting signal input pin (30° / 4 bits)
10	GND	Ground pin
11	CW/CCW	Rotation direction signal input pin
12	OSC/C	Connect to capacitor for PWM oscillator
13	OSC/R	Connect to resistor for PWM oscillator
14	RS	Overcurrent protection (0.5 V)
15	RESET	Energization width toggle pin (Low: 150°, High: Reset, 6.35 V: 120°)
16	V _{CC}	Power supply
17	FGC	FG pulse count select (High = 1 ppr; Low or open = 3 ppr)
18	UL	U-phase output pin (Low side)
19	VL	V-phase output pin (Low side)
20	WL	W-phase output pin (Low side)
21	UH	U-phase output pin (High side)
22	VH	V-phase output pin (High side)
23	WH	W-phase output pin (High side)
24	FG	Pulses-per-revolution output

