

佶慶電機有限公司

CHESHIRE ELECTRIC COMPANY, LLC

2 Phase Bipolar Stepping Motor Driver 2相步進馬達驅動器

MODEL OPH1-16V2A0	DRIVER SPECIFICATIONS 驅動器規格書	Page: 1 OF 1
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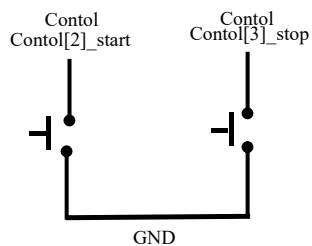


驅動器規格 Motor Driver Specifications

輸入電源 Input Voltage	DC2. 5V~16V
驅動電流 Operation Current	Max. 2A
驅動方式 Drivring Method	兩相激磁。Bipolar
GUI視窗連線 GUI Control(option)	1. 使用USB-RS232連接線與驅動板連線，在PC上可以透過從GUI(Graphical User Interface) 圖形用戶界面的軟體，來控制步進馬達驅動板動作。 1. The GUI program communicates with the Driver board using a virtual serial port over a USB-To-RS232 cable on the PC. (option)
GUI 功能 GUI Functions	1. 脈波輸入。Pulse Input 2. 正/反轉。Direction control CW/CCW 3. 微步控制。Microstep control(Full, 1/2, 1/4, 1/8, 1/16, 1/32, 1/64, 1/128) 4. 激磁啟動/解除。Holding ON/OFF 5. 定電流調整。Reference voltage for winding current set by VR. (PS. You must use scope to measure the winding current and adjust VR to your need.)
保護功能 Protections	1. 電源逆接保護功能：輸入端電壓正負極接反時，馬達無法運轉。 1. Polarity Protection: If power polarity error, the motor can not be operated. 2. 馬達過電流保護功能(ISD)：馬達運轉電流超過額定值時，自動斷流保護，避免馬達過電流燒毀。需斷電，故障排除後，才可重新通電運轉。 2. Over-current detection(ISD): When motor draws more current over the max. current limit, the driver board will be shut off automatically. Correct the error, re-start the power. 3. 過溫保護(TSD)：驅動IC溫度超過145°C停止工作，直到驅IC驅動器降到130°C以下，重新供電恢復正常工作。 3. Thermal shutdown(TSD): If the temperature of the driver IC is Over 145°C, it will be shut down. Until the driver IC's temperature drop below 130°C, restart the power.
工作溫度 Operating Temperature	- 10°C~60°C
外型尺寸 Size	126x66x28mm
重量 Weight	159g
備註 Remark	

接線說明 Instructions for Wire Connection

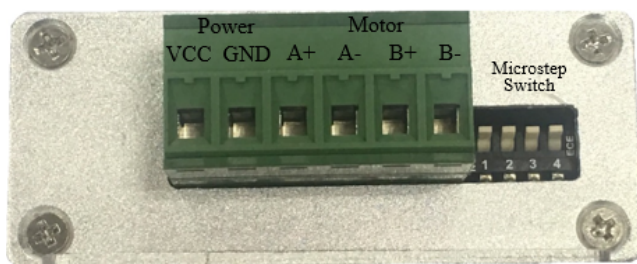
Wire Connection:



驅動器面板功能說明 Instructions for use



Number	Function
1	Pulse_input_NC
2	signal_Gnd_NC
3	DIR_input_NC
4	EN_input_NC
5	Fault_output_NC
6	Cotrol[1]_NC
7	Cotrol[2]_start
8	Cotrol[3]_stop
9	Cotrol[4]_NC
10	GND



Microstep Switch_NC				
M3	M2	M1	M0	step
1	0	0	0	1
1	0	0	1	1/2
1	0	1	0	1/4
1	0	1	1	1/8
1	1	0	0	1/16
1	1	0	1	1/32
1	1	1	0	1/64
1	1	1	1	1/128

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