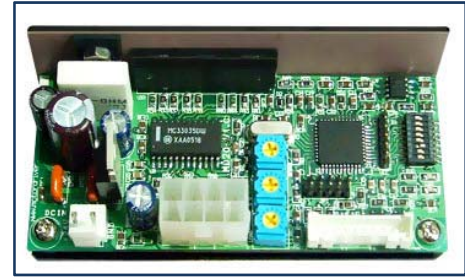


# MD20

## (DC24V, 20W, BLDC Driver)



### Introduction

Item	Contents
Power	Drive BLDC motor, normal 10W & max 20W
Input voltage	DC 24V
Control speed range	0~12,400 rpm,
Input speed range	1~5V, 1V=>0 rpm, & 5V=>12,400 rpm(Max.)

### Power connector : PWR(JST Connector, B2P-VH)

Pin No.	Signal name	Remark
1	GND	Ground
2	24V	24V, allowable deviation of input voltage is about $\pm 20\%$

### Motor connector : MOTOR(MOLEX 5566-08A)

Pin No.	1	2	3	4	5	6	7	8
Signal	12V	U	V	W	GND	Hu	Hv	Hw
Remark	Motor power line				Sensor signal line			

### I/O Connector : CTRL(JST connector, B10B-PASK, 3A(about 60W))

No.	Signal	Dir	Contents
1	GND		Ground
2	SPEED_V_OUT	OUT	1~5 volt out signal according to motor speed 0~12,400rpm => 1~5 volt
3	ALARM	OUT	Alarm(signal LOW=> ), Normal(HIGH=>LED OFF)
4	SPEED_OUT	OUT	Pulse out according to the motor speed(pulse width, about 300us)
5	ALARM_RESET	IN	Alarm reset at rising edge(L->H)
6	CCW	IN	CCW, motor direction control
7	CW	IN	CW, motor direction control
8	GND		Ground
9	SPEEN_IN	IN	Speed reference input (0~5 Volt).
10	5V	OUT	Supply voltage to speed set volume

