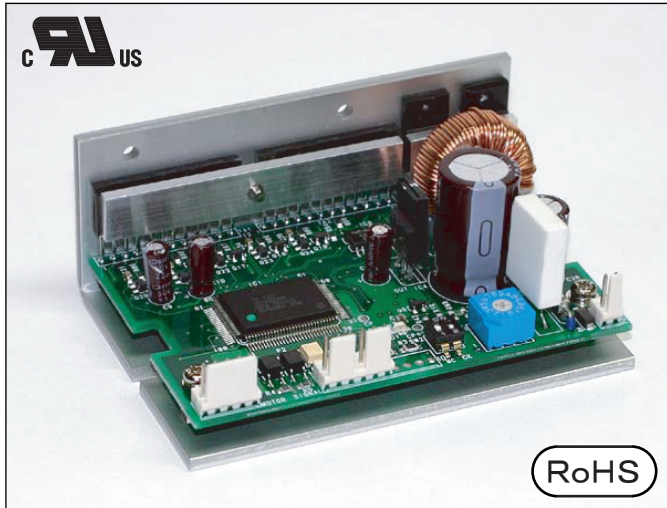


# 5 PHASE STEPPING MOTOR DRIVER

## MC-0514-L



UL standard recognized

### FEATURES

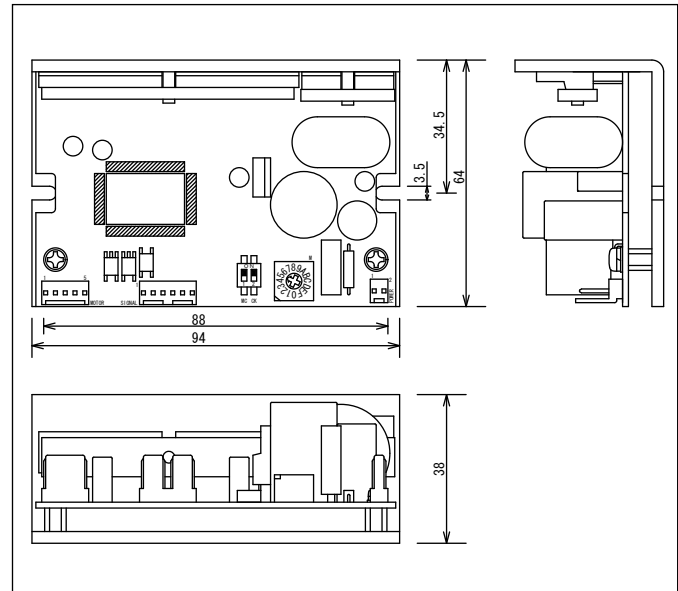
- More low-priced and compact size micro step driver. ▫
- It is a driver only for 0.75A/phase or 1.4A/phase. ▫
- Low vibration drive (Full or Half step). ▫
- Optical-isolator input. ▫
- Automatic current reduction. ▫
- Small size

※ Optional Parts ; Wire assembled conector

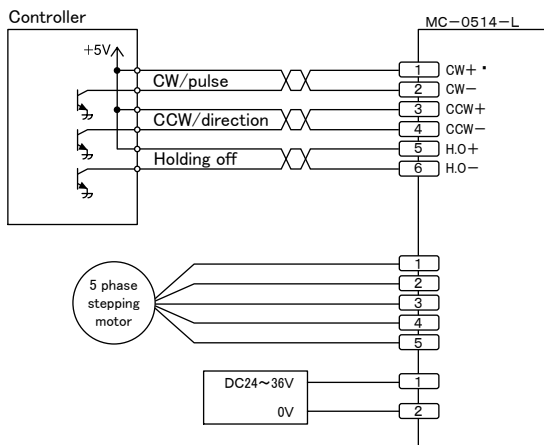
### SPECIFICATION

Name	5 phase stepping motor driver
Model *	MC-0514-L
Driving method *	Micro step
Input power	DC20~40V 3A Max.
Drive current *	0.75A/phase or 1.4A/phase
Division	1, 2, 4, 5, 8, 10, 16, 20, 25, 40, 50, 80, 100, 125, 200, 250
Maximum frequency	500kpps
Input signal	Optical-isolator input [1] ; 4~8V , [0] ; -8~0.5V Input resistance CW, CCW ; 300Ω H.O ; 390Ω
Function	Pulse input mode selector , Micro step angle select, Automatic current reduction *
Operating temperature range	0~40°C *
Operating humidity range	0~85%
Weight	170g

### DIMENSIONS (unit ; mm)



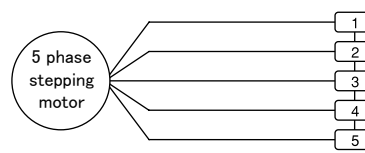
### SAMPLE WIRING DIAGRAM



### MOTOR

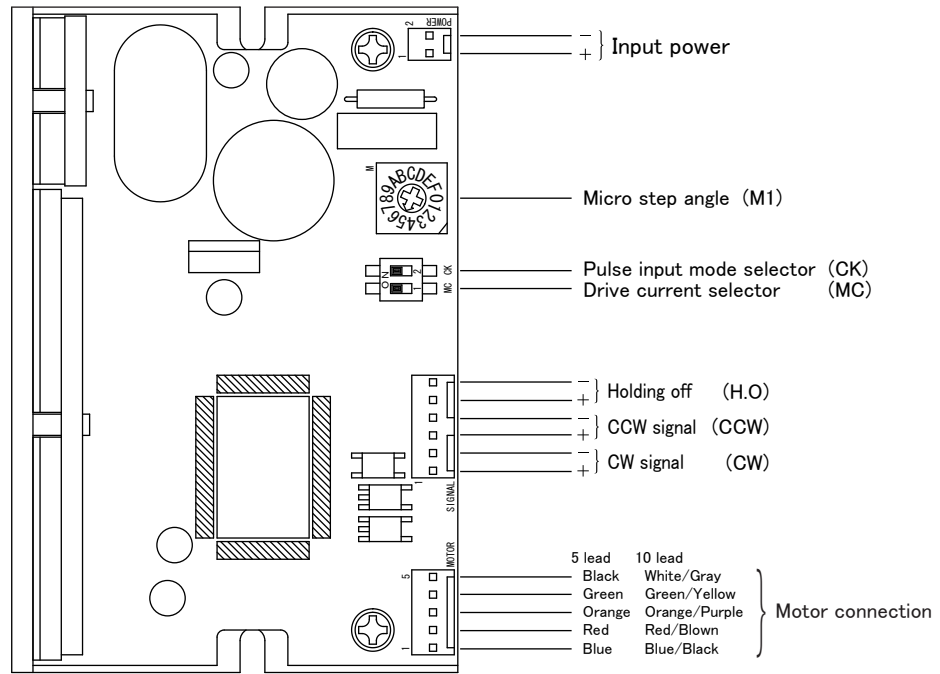
- 5/10 lead 5-Phase stepping motors such as Tamagawa-seiki or Oriental-motor. ▫

Motor connection

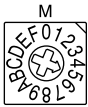


Connector No.	5 lead	10 lead *
1	Blue	Blue/Black
2	Red	Red/Blown
3	Orange	Orange/Purple
4	Green	Green/Yellow
5	Black	White/Gray

## NAME AND FUNCTION



## SETTING MICROSTEP RESOLUTION



SW No.	0	1	2	3	4	5	6	7	8	9
Division	1	2	4	5	8	10	20	40	80	16
	A	B	C	D	E	F				
	25	50	100	125	200	250				

One micro step =  $0.72 \text{ degree} \div \text{Division}$

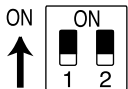
## SETTING DRIVE CURRENT

Setting drive current ;

- ① Please turn OFF 1(MC) of Dip SW at 0.75A/phase.
- ② Please turn OFF 2(MC) of Dip SW at 1.4A/phase.

Idle current is fixed by 50% of setting and the drive currents.

## DIP SW FUNCTIONS



No.	Indication	Mode *	ON	OFF
1	MC	Drive current selector	1.4A	0.75A
2	CK	Pulse mode	One pulse	Two pulse

## INPUT CIRCUIT

