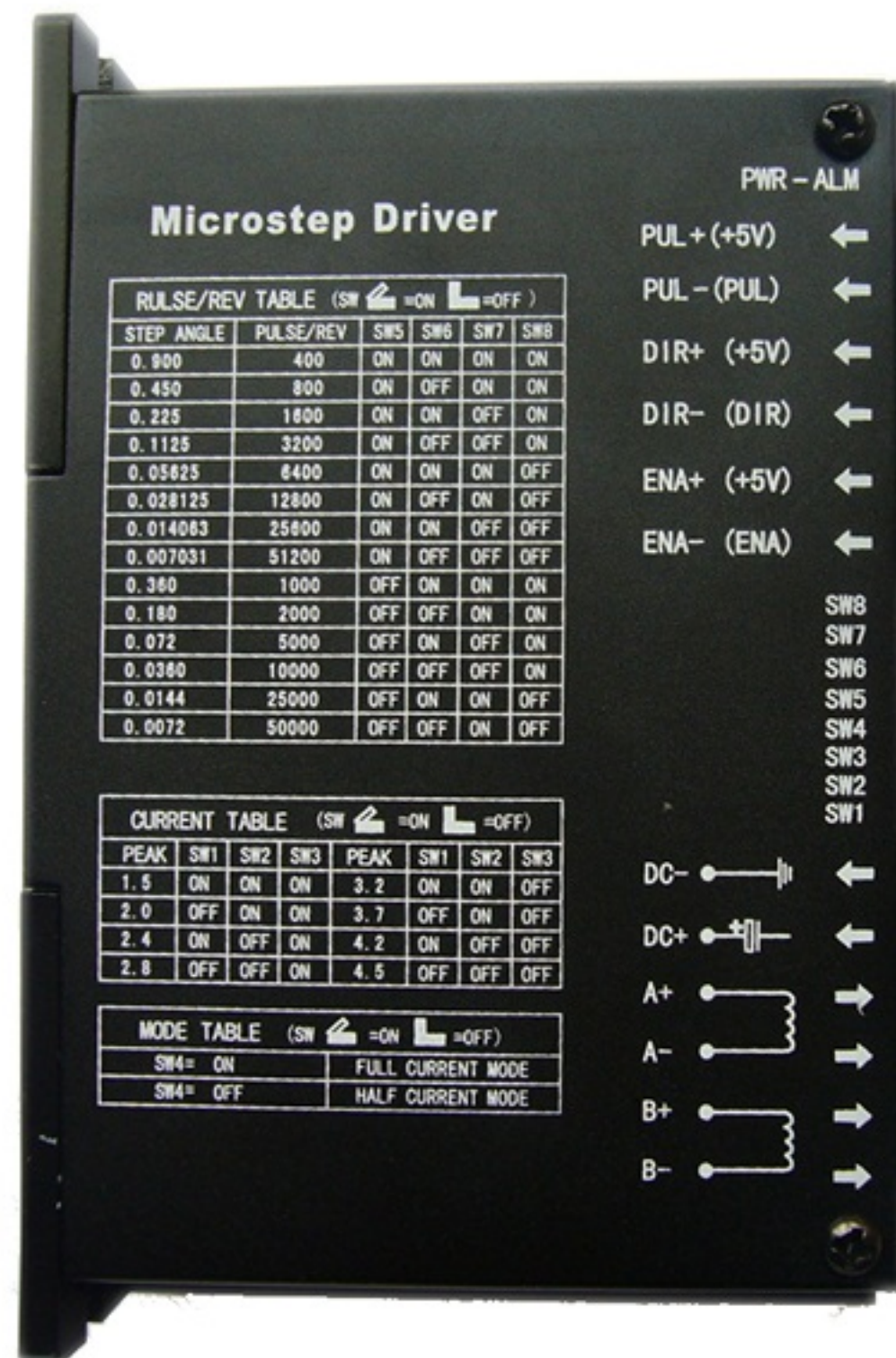


M542H Operation Diagram



●	Power-Run OK
●	N.G(OV,OC,OT)

Power-Run/Alarm indication LED

PUL+ (+5V)
PUL- (PUL)
DIR+ (+5V)
DIR- (DIR)
ENA+ (+5V)
ENA- (ENA)

PUL+
PUL-
DIR+
DIR-
ENA+
ENA-

Pluse signal Interface

Motor rotary direction Interface

Motor release Interface

OFF Postion

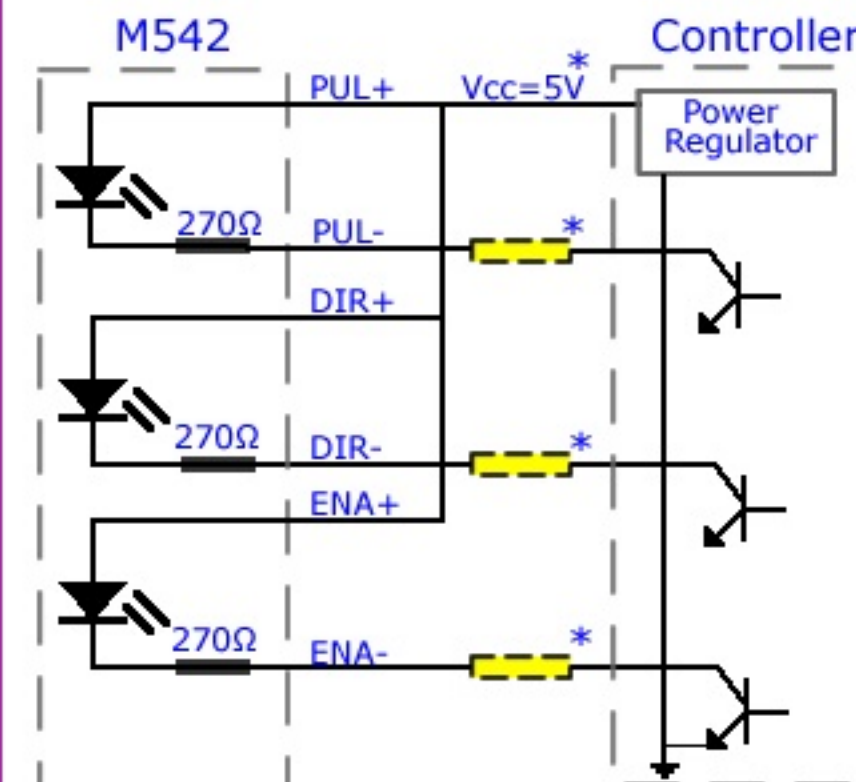
ON Postion

DC-
DC+
A+
A-
B+
B-

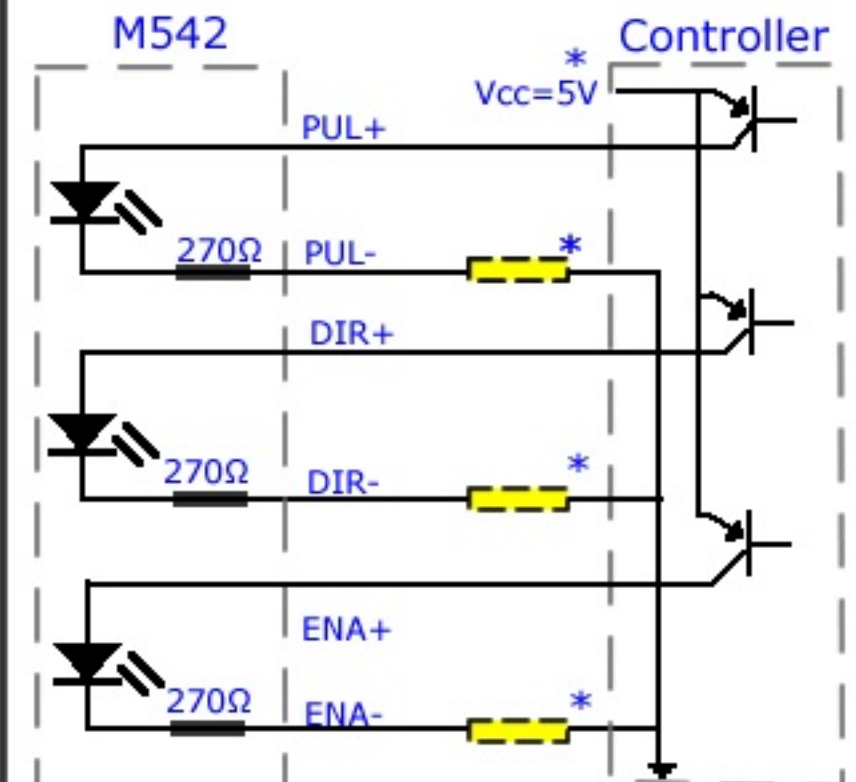
Power Port (24V-100VDC)

2phase, 4phase
4-6-8wire
stepper motor Port

NPN



PNP



*:If Vcc=24V,external 2K/1W Resistor is necessary

SW4=ON : FULL Current Mode

SW4=OFF :Auto Half Current Mode

Pluse interface no signal 1.5s later,Driver Current auto decrease 1/2 for reduce temperature of motor.

Current Table

Peak	SW1	SW2	SW3
1.5A	ON	ON	ON
2.0A	OFF	ON	ON
2.4A	ON	OFF	ON
2.8A	OFF	OFF	ON
3.2A	ON	ON	OFF
3.7A	OFF	ON	OFF
4.2A	ON	OFF	OFF
4.5A	OFF	OFF	OFF

Pulse/Revlostion Table

Step/Angle	Pulse/REV	SW5	SW6	SW7	SW8
0.9°	400	ON	ON	ON	ON
0.45°	800	ON	OFF	ON	ON
0.225°	1600	ON	ON	OFF	ON
0.1125°	3200	ON	OFF	OFF	ON
0.05625°	6400	ON	ON	ON	OFF
0.02825°	12800	ON	OFF	ON	OFF
0.014063°	25600	ON	ON	OFF	OFF
0.007031°	51200	ON	OFF	OFF	OFF
0.36°	1000	OFF	ON	ON	ON
0.18°	2000	OFF	OFF	ON	ON
0.072°	5000	OFF	ON	OFF	ON
0.036°	10000	OFF	OFF	OFF	ON
0.0144°	25000	OFF	ON	ON	OFF
0.0072°	50000	OFF	OFF	ON	OFF

