



SSD2608PC

- Adopt new 32-bit motor control dedicated DSP chip
- Voltage range: AC24-80V/DC30-110V, 16 microsteps setting
- Intelligent current adjustment, reduce vibration, noise and heat
- Low torque attenuation, speed up to 3000 rpm, excellent high speed performance and rigidity, perfect combination of servo and stepper advantages
- Adopt CAN isolated bus, support standard CANOPEN protocol, up to 32 devices can be mounted
- Built-in single-axis controller function, with speed, position, homing, multisegment position and other control functions
- 5-channel optically isolated programmable input interface
- 3-channel optically isolated programmable output interface

Typical Application:

can be widely used in engraving machines, special industrial sewing machines, wire stripping machines, marking machines, cutting machines, stage lighting, robots and medical equipment, laser equipment, marking machines, plotters and other automation equ

Product Details

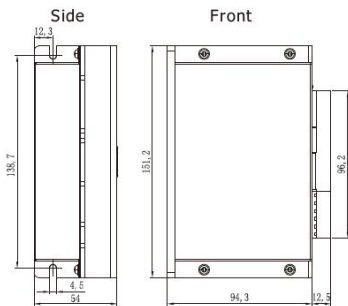
Product Diagram

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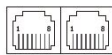
COM Setting

Terminal Assignment

Dimensions (mm)



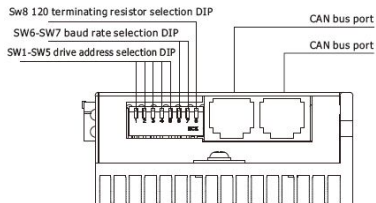
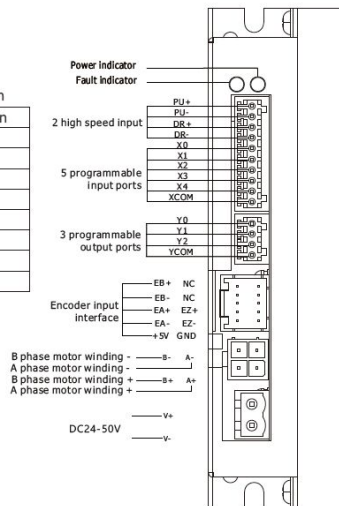
RJ 45 Port



RJ 45 Port Definition

Pin	Definition
1	CANH
2	CANL
3	NC
4	NC
5	GND
6	NC
7	NC
8	NC

Drive Wiring Diagram



▶ SSD2608PC Terminating Resistor Selection ▶ SSD2608PR Communication Baud Rate Setting

120 terminating resistor selection bit	SW8
Invalid	OFF
Valid	ON

Baud rate	SW7	SW6
125K	ON	ON
250K	ON	OFF
500K	OFF	ON
1M	OFF	OFF

▶ SSD2608PC Motor Selection

Model	Voltage	Maximum current	Suitable motor model			Motor encoder
SDD2608PC	AC(20~80V)	6A	60	YK260EC86E1		The last number in the motor model is the number of encoder lines, 1 for 1000 lines and 2 for 2500 lines. If the customer needs 2500 lines, replace the final number "1" of motor model with "2".
	DC(30~110V)		86	YK286EC80A1 YK286EC156B1	YK260EC118A1 YK286EC118B1 YK286EC156C1	

▶ SSD2608PC Communication Address Setting

Address	Default	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
SW5	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
SW4	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON	ON	ON
SW3	OFF	OFF	OFF	OFF	ON	ON	ON	ON	OFF	OFF	OFF	OFF	ON	ON	ON	ON
SW2	OFF	OFF	ON	ON	OFF	OFF	ON	ON	OFF	OFF	ON	ON	OFF	OFF	ON	ON
SW1	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON

Address	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
SW5	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON
SW4	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON	ON	ON
SW3	OFF	OFF	OFF	OFF	ON	ON	ON	ON	OFF	OFF	OFF	OFF	ON	ON	ON	ON
SW2	OFF	OFF	ON	ON	OFF	OFF	ON	ON	OFF	OFF	ON	ON	OFF	OFF	ON	ON
SW1	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON

▶ Terminal Introduction

Symbol	Function	Specification
PWR	Power indicator	When the power is on, the indicator lights up
ALM	Alarm indicator	Number of flashing times: Once = overcurrent Twice = overvoltage Three times = under pressure Four times = EEPROM error Five times = communication error
X0~X4	5 programmable input ports	Programmable input control port, 5V~24V can drive, need to connect a resistor when >5V support NPN and PNP wiring mode, requires effective level pulse width $\geq 10ms$
XCOM	Input port common	Support NPN and PNP wiring
Y0~Y2	3 programmable output ports	Programmable output control port, user can configure the corresponding port function through the bus
YCOM	Output port common	Support NPN and PNP wiring
EB+/EB-	Encoder B phase input +/-	Connect encoder B channel input +/-
EA+/EA-	Encoder A phase input +/-	Connect encoder A channel input +/-
VCC	Encoder power supply	Encoder power supply 5V
GND	Encoder power supply GND	Encoder power supply GND
A+ A- B+ B-	Motor connection	