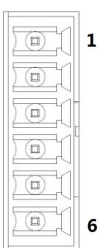
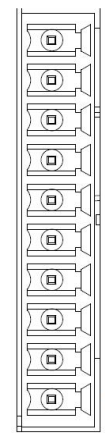


Connectors and Pin Assignment

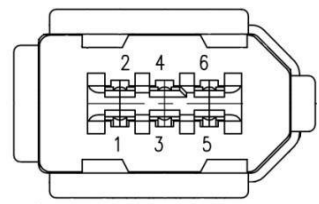
Port	Function
CN1	Pulse + Direction Signal Port
CN2	Digital input/output Port
CN3	Encoder Input Port
CN4	RS232(only for tuning) RS485
CN5	RS485
CN6	Encoder output Port
X1	Power Port

Signal Explanation of Control Signal Port-CN1 and CN2

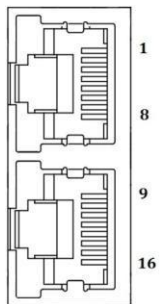
Port		Pin	Signal	Name	Explanation
CN1		1	PUL +_24	24V pulse+	Max. input frequency: • 500 kHz (differential input); • 200kHz (open collector input)
		2	DIR +_24	24V	
		3	PUL +	5V pulse+	
		4	PUL -	Pulse-	
		5	DIR +	5V direction+	
		6	DIR -	Direction-	

Port		Pin	Signal	Name	Explanation	
CN2		1	COM+	Digital input common terminal	4 programmable digital inputs • allows sink input/source input • within the range from 12 VDC to 24 VDC, 30mA	
		2	SI1	Digital input 1		
		3	SI2	Digital input 2		
		4	SI3	Digital input 3		
		5	SI4	Digital input 4	• 2 programmable digital single-ended outputs • within the range from 12 VDC to 24 VDC, 30mA	
		6	COM -	Digital output common- terminal		
		7	SO1	Digital output 1		
		8	SO2	Digital output 2		
		9	SO3 +	Differential Digital output 3		• 1 programmable digital differential output • within the range from 12 VDC to 24 VDC, 30mA
		10	SO3 -			

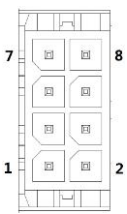
Encoder Input Port-CN3

Port		Pin	Signal
CN3		1	VCC5V
		2	GND
		3	BAT+
		4	BAT-
		5	SD+
		6	SD-
			PE

Bus connector- CN4 and CN5

Port		Pin	Signal
CN4 CN5		1, 9	RDO+(RS485
		2, 10	RDO-(RS485-
		3, 11	/
		4, 12	/
		5, 13	/
		6, 14	TXD(RS232)
		7, 15	RXD(RS232)
		8, 16	GND(RS232
			PE

Encoder output Port-CN6

Port		Pin	Signal	Name	Explanation
CN6		1	OCZ	OC output terminal of motor encoder Z phase	Differential output, High >= 2.5vdc, low <= 0.5vdc, maximum current ±20mA
		2	GND	OC output GND terminal of motor encoder	
		3	Z +	Differential output terminal of motor encoder Z phase	
		4	Z -		
		5	B +	Differential output terminal of motor encoder B phase	
		6	B -		
		7	A +	Differential output terminal of motor encoder A phase	
		8	A -		

Wiring

Position Control Mode

