

Position Pinout - MR-J2S I/O

Connector	Pin	I/O	Signal	Description	Pin	Description
CN1A	1	N/A	LG	Control common	N/A	N/A
	2	I	NP	Forward/reverse rotation pulse train	7i76 TB2-P5	Dir -
	3	I	PP	Forward/reverse rotation pulse train	7i76 TB2-P3	Step -
	4	N/A	P15R	15VDC power supply	N/A	N/A
	5	O	LZ	Encoder Z-phase pulse (differential line driver)	N/A	Encoder clone not needed
	6	O	LA	Encoder A-phase pulse (differential line driver)	N/A	Encoder clone not needed
	7	O	LB	Encoder B-phase pulse (differential line driver)	N/A	Encoder clone not needed
	8	I	CR	Clear	N/A	Clearing leading pulse not needed
	9	N/A	COM	Digital I/F power supply input	N/A	Using internal power supply
	10	N/A	SG	Digital I/F common	N/A	Logic power not needed on CN1A
	11	N/A	OPC	Open collector power input	N/A	Encoder clone not needed
	12	I	NG	Forward/reverse rotation pulse train	7i76 TB2-P4	Dir +
	13	I	PG	Forward/reverse rotation pulse train	7i76 TB2-P2	Step +
	14	O	OP	Encoder Z-phase pulse (open collector)	N/A	Encoder clone not needed
	15	O	LZR	Encoder Z-phase pulse (differential line driver)	N/A	Encoder clone not needed
	16	O	LAR	Encoder A-phase pulse (differential line driver)	N/A	Encoder clone not needed
	17	O	LBR	Encoder B-phase pulse (differential line driver)	N/A	Encoder clone not needed
	18	O	INP	In position	N/A	In Pos not needed
	19	O	RD	Ready	N/A	Not using "ready" output
	20	N/A	SG	Digital I/F common	N/A	Redundant
CN1B	1	N/A	LG	Control common	N/A	No analog limits being used
	2	I	N/A	N/A	N/A	N/A
	3	N/A	VDD	I/F internal power supply	COM	24v Digital I/O IF power output
	4	O	DO1	In Position (copy)	N/A	Duplicate of CN1A INP signal
	5	I	SON	Servo-on	7i76-TB6-P1	Connect to SG via relay to enable drive
	6	O	TLC	Limiting torque	N/A	No torque limit
	7	I	N/A	N/A	N/A	N/A
	8	I	PC	Proportion control	N/A	No mechanical locking
	9	I	TL	Torque limit selection	N/A	No torque limit
	10	N/A	SG	Digital I/F common	SON/EMG	24v supply for EMG/SON
	11	N/A	P15R	15VDC power supply	N/A	No analog limits being used
	12	I	TLA	Analog torque limit	N/A	No torque limit
	13	N/A	COM	Digital I/F power supply input	VDD	Connect to VDD to use on-board 24v
	14	I	RES	Reset	BTN: Reset	Connect to reset button via relay
	15	I	EMG	Emergency stop	BTN: E-stop	Connect to e-stop button via relay
	16	I	LSP	Forward rotation stroke end (Limit Switch)	N/A	Use limits connected to 7i76
	17	I	LSN	Reverse rotation stroke end (Limit Switch)	N/A	Use limits connected to 7i76
	18	O	ALM	Trouble	7i76-TB6-P17	Connect to 7i76 via relay for alarm status
	19	O	ZSP	Zero speed	N/A	No zero speed in use
	20	N/A	SG	Digital I/F common	N/A	Redundant

