

JAMECO ReliaPro

Bipolar & Unipolar Stepper Motors

* Web Code: UBN

Jameco offers the industry's widest variety of off-the-shelf two-phase bipolar and four-phase unipolar stepper motors for your precision applications. Be sure to check out the wide selection of 2 to 24VDC models below.

- Ball bearings
- Dielectric strength: 500V, 50Hz/minute
- Insulation resistance: 100MΩ @ 500VDC
- 18" lead wires
- Ambient temp.: -10°C to +55°C
- Use P/N 161998, pg 183, for shaft coupler

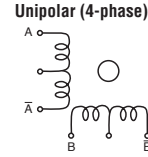
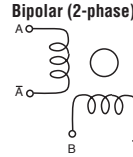


Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10

Part No.	*Mfr.	Product No.	Fig.	Drive System	Rated Voltage (VDC)	Step Angle (°)	Phase Resis. (Ω)	Curr. (mA)	Phase Inductance (mH)	Detent Torque (g-cm)	Holding Torque (g-cm)	Mounting Hole Space (in.)	Mounting Holes (in.)	Shaft Dia. (in.)	Shaft Length (in.)	Motor Dia. (in.)	Motor Depth (in.)	Wt. (lbs.)	Pricing		
																			1	5	25
1581231	JRP	42BYGHM206-07E	3	Unipolar	4	0.9	8.4	670	10	—	793	1.79	0.08	0.195	0.88	1.67	1.27	0.46	\$21.95	\$19.95	\$17.95
237607	JRP	57BYGH001	1	Unipolar	5	1.8	5	1000	—	—	3976	1.86	0.20	0.25	0.83	2.24	1.61	1.10	29.95	26.95	23.95
237825	JRP	25BY4801	4	Unipolar	5	7.5	10	500	—	45	110	1.38	0.14	0.08	0.35	0.98	0.56	0.07	9.95	8.95	7.95
223870	JRP	57BYG070	2	Unipolar	5.4	1.8	3.6	1500	6	977	8974	2.65	0.20	0.25	0.80	2.20	2.20	2.00	29.95	26.95	23.95
237631	JRP	57BYGH803	1	Unipolar	6.3	1.8	4.2	1500	—	—	14276	1.86	0.20	0.25	0.83	2.24	2.99	2.43	49.95	44.95	39.95
171601	♦	PF35T-48L4	5	Unipolar	7	7.5	20	350	9	40	680	1.68	0.14	0.078	0.47	1.38	0.58	0.15	4.95	4.49	3.95
2138812	JRP	35BY48I030-01	5	Unipolar	7	7.5	20	350	11	125	450	1.59	0.12	0.078	0.47	1.37	0.85	0.22	8.95	7.95	6.95
224022	JRP	42BYG016	6	Unipolar	12	1.8	75	160	40	150	900	1.73	0.10	0.20	0.70	1.70	1.30	0.50	21.95	19.95	17.95
155433	JRP	42BYG228	6	Unipolar	12	1.8	30	400	23	220	2000	1.73	0.10	0.20	0.90	1.70	1.50	0.50	20.95	18.95	16.95
237543	JRP	57BYG007	2	Unipolar	12	1.8	32	380	30	—	2957	1.86	0.20	0.25	0.83	2.29	1.61	1.00	24.95	22.49	19.95
238538	JRP	42BYGH404	7	Unipolar	12	1.8	30	400	25	250	3200	1.22	0.10	0.20	0.95	1.67	1.89	0.60	21.95	19.95	17.95
162027	JRP	57BYG084	2	Unipolar	12	1.8	20	600	22	725	6000	2.65	0.20	0.25	1.00	2.20	2.00	1.30	35.95	32.25	28.95
237876	JRP	25BY4809	4	Unipolar	20	7.5	50	400	16	45	155	1.42	0.35	0.08	0.22	0.98	0.87	0.10	3.49	3.25	2.95
238115	JRP	35BY48B08	8	Unipolar	24	7.5	75	320	38	65	270	1.65	0.13	0.08	0.35	1.38	0.59	0.15	8.49	7.49	6.75
237729	JRP	42BY48H07	9	Unipolar	24	7.5	85	280	78	130	780	1.95	0.14	0.12	0.39	1.65	0.87	0.27	5.95	5.49	4.95
237526	JRP	42BYGH001	1	Bipolar	2	1.8	2.1	950	2.3	200	1700	1.22	0.10	0.20	0.95	1.67	1.34	0.50	19.95	17.95	15.95
2120479	♦	RDS3000	10	Bipolar	4	1.8	4	1000	10	—	3600	1.21	0.09	0.195	0.312	1.67	1.62	0.40	14.95	13.49	11.95
237490	JRP	39BYG001	6	Bipolar	5	1.8	5	1000	—	150	1800	1.22	0.10	0.20	0.91	1.54	1.34	0.44	21.95	19.95	17.95
237578	JRP	57BYG061	2	Bipolar	6	1.8	12	500	24	—	3569	1.86	0.20	0.25	0.83	2.29	1.61	1.00	34.95	31.95	28.95
237519	JRP	42BYG017	6	Bipolar	6.3	1.8	15	420	16	150	1400	1.22	0.10	0.20	0.51	1.67	1.34	0.50	21.95	19.95	17.95
237454	JRP	39BYG201	6	Bipolar	9.6	1.8	20	480	—	200	1000	1.22	0.10	0.20	0.20	1.54	0.98	0.44	16.95	15.95	13.95
155460	JRP	42BYG023	6	Bipolar	12	1.8	30	400	36	220	2100	1.73	0.10	0.20	0.60	1.70	1.30	0.50	21.95	19.95	17.95
237472	JRP	39BYG401A	6	Bipolar	12	1.8	30	400	32	200	2100	1.22	0.10	0.20	0.95	1.54	1.34	0.44	21.95	19.95	17.95

*155460: Dual shaft

Scott Edwards Electronics, Inc.

Serial Servo Controller Module

- Controls 8 pulse-proportional servos
- Receives serially at 2400 or 9600 baud
- Module is addressable, allowing 2 units to share the same line to control a total of 16 servos
- Connections to serial input can be established using a modular jack (P/N 115554, pg 54) or modular adapter from DB9 to RJ11 (P/N 114738, pg 55)
- Size (PCB): 1.9"L x 1.4"W
- One-year warranty



* Web Code: VBA

Part No.	Description	1	5
151001	Mini SSC II	\$43.95	\$41.75

6-Channel USB Servo Controller

- 5-16V operating voltage
- USB, TTL (5V) serial & internal scripting
- 0.25µs resolution with built-in speed and acceleration control
- Configure channels as outputs for RC servos, ESCs, digital outputs or analog inputs
- 1KB internal script memory
- Can be daisy-chained
- Free config. & control app for Windows®

* Web Code: VBA



Pololu Robotics & Electronics

Part No.	Mfr. Part No.	Size (L" x W")	1	5
2128180	1350	1.2 x 0.85	\$24.95	\$22.95

Motorshield for Arduino

This MotorShield will be a great kit to help power and control your motors by simply using your Arduino. Power up and control your servos, bidirectional DC motors and stepper motors in a variety of combinations. This kit includes all the necessary parts, except the motors and the Arduino. Assembly is required.

* Web Code: ARD



adafruit industries

- L293D shipset with 4 H Bridges and 0.6A per bridge
- Run motors on 4.5VDC to 36VDC
- Up to 4 bi-directional DC motors with individual 8-bit speed selection
- Up to 2 stepper motors with single coil, double coil, or interleaved stepping
- 2-pin terminal block and jumper to connect external power
- Downloadable easy-to-use Arduino software library

Part No.	Mfr. Part No.	1	5
2121130	81	\$19.95	\$18.95

PARALLAX

HB-25 Motor Controller

This motor controller is highly-compatible with any microcontroller that can generate a servo-compatible pulse. It allows a DC motor to be controlled much like a continuous rotation servo motor and uses a thermal bonding agent to transfer heat from the motor driver chip to the heat sink. This results in a high-current motor controller without additional hardware for cooling.

Part No.	Mfr. Part No.	Input Voltage	1	5
2007193	29144	6-16VDC	\$49.95	\$47.95

* Web Code: PAR



* JRP = Jameco ReliaPro | ♦ Manufacturer Varies

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

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