



Simple H-Bridge (H-Bridge Circuit)

- Designed for driving DC motors and DC loads
- Activate via 555 timers, MCUs or 3V to 5V logic level signals
- Supply voltage: 5V to 28V (24V max. battery rating)
- 20A continuous (25A with fan), >45A surge current
- Size: 2.5"L x 2.25"W • Weight: 1.32 oz.



Part No.	Mfr. Part No.	1	5
2204082	SIMPLE-H	\$49.95	\$48.95



6-Channel USB Servo Controller

- 5-16V operating voltage
- USB, TTL (5V) serial and 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 configuration control app for Windows®



Part No.	Mfr. P/N	Size (L x W)	1	5
2128180	1350	1.2" x 0.85"	\$19.95	\$18.95

* Shields for Arduino — Enter **Web Code AOS**



Motor Driven Actuator

- Model No.: PDL-50
- Input: 12VDC @ 3.3A
- Power rating: 40W
- Push/pull force: 6 kgs
- Stroke: 3/4" travel • One shot activation
- Dual direction: reverse polarity reverses direction
- Construction: ABS and POM with durable dust proof cover • Limited duty cycle



Includes: Mounting hardware

Part No.	Size (L x W x H)	1	10	100
2230221	5.7" x 1.0" x 2.3"	\$6.95	\$6.25	\$5.59



12VDC & 24VDC Continuous Push/Pull Solenoids



Part No.	*Mfr.	Product No.	Type	Coil Volt. (VDC)	Coil Res. (±10%) (Ω)	Power Consump. (W)	Holding Force (lbs. @20°C)	Stroke (in.)	Dimensions Length x Dia. (in.)†	Shaft Dia. (in.)	Wt. (lbs.)	Pricing		
												1	5	25
2231099	LEX	B16-258-B-1	Open frame-pull	3-9.5	6.35	1.43-14.3	0.90	0.15	1.0 x 0.4 x 0.5	0.15	0.03	\$9.95	\$8.95	\$7.95
262167	JRP	SMT-1325L12STD2	Tubular-pull	12	36	4.0	0.11	0.47	1.0 x 0.5	0.20	0.05	14.95	13.49	11.95
142464	JRP	SH-T1130L-12VDC1	Tubular-pull	12	36	4.0	0.63	0.4	1.6 x 0.4	0.15	0.04	12.49	11.49	9.95
2202335	JRP	SHE-T0637**	Tubular-pull	12	27	12	1.3	0.5	2.0 x 0.75	0.25	0.17	7.95	6.95	6.25
2196748	JRP	SH-T2551L	Tubular-pull	12	14.4	10	3.86	0.4	3.1 x 1.0	0.41	0.39	15.95	14.49	12.95
2238127	JRP	WS01632S-12A21	Tubular-push	12	20.7	5.5	0.77	0.6	2.5 x 0.64	0.1	0.10	16.95	14.95	13.49
2201818	JRP	SH-T2551	Tubular-pull	24	60	40	4.0	1.0	3.1 x 0.87	0.43	0.39	16.95	14.95	13.49
149754	JRP	SMT-1325S12A2	Tubular-push	12	36	4.0	0.75	0.47	1.9 x 0.5	0.063	0.05	16.95	15.95	14.95
1919203	LEX	191172-001	Stroke-push	12	45	7.3	—	0.125	1.0 x 0.5	0.06	0.10	5.95	5.39	4.79
2219330	ADA	412	Open frame-push/pull	24	100	5.8	1.12	0.22	2.1 x 0.67	—	0.09	10.95	9.95	9.49
2219348	ADA	413	Open frame-push/pull	24	43	13.44	3.37	0.53	2.8 x 1.14	—	0.32	19.95	17.95	15.95

† Open frame type dimensions: L" x W" x H" * Dual shaft ** 2-pin Molex connector † P/N 281852 (pg 78), † P/N 2182611 (pg 78) — additional panel mounting hardware available



12VDC Solenoid Valve

- Air leakage: 4psi, 1c.c./min. max.
- Dimensions: 1.2"L x 0.92" Dia.
- 0.250" quick disconnect terminals
- Operating volt.: 12VDC
- Current: 350mA
- Oper. temp.: -29°C to 85°C



Part No.	Cross Ref. No.	1	5	25
169835	TAV-0829-R	\$11.95	\$10.95	\$9.95



5VDC 2-Way Solenoid Valve

- 5V @ 100mA, 0.5 watt
- Continuous duty cycle
- 15 psi (max. pressure)
- 0.025 Cv flow factor
- Coil insulation 266°F
- Orifice size 0.030" • 4 PCB pins



Part No.	Mfr. Part No.	1	5	25
2258401	RLB204KP30B	\$9.95	\$8.95	\$7.95

Servo Motors & Accessories

- + pulse width 1500µsec. neutral control system
- Operating voltage range: 4.8V to 6V



Motors

Part No.	Manufacturer Part No.	Oper. Speed (4.8V@no load)	Stall Torque @ 4.8V (kg.cm)	Direction	Operating Angle	Current Drain (mA, idle/ mA no load)	Dimensions (L" x W" x H")	Pricing	
								1	5
2128198	105*	.12sec/60°	0.6	Clockwise	—	—	0.8 x 0.3 x 0.8	\$6.95	\$6.25
2150416	RS001A	.10sec/60°	1.5	Clockwise	—	—	0.9 x 0.5 x 1.0	6.95	6.25
2213350	SER0006	.12sec/60°	1.6	Clockwise	—	—	0.9 x 0.5 x 1.2	5.95	5.49
2214601	RS001B	.08sec/60°	2.0	Clockwise	—	—	1.3 x 0.5 x 1.1	4.95	4.49
395760	HS-322HD	.19sec/60°	3.0	Clockwise	40°/one side pulse	7.4/160	1.6 x 0.8 x 1.4	13.95	12.95
358635	HS-311	.19sec/60°	3.0	Clockwise	40°/one side pulse	7.4/160	1.5 x 0.8 x 1.1	11.95	10.95
395786	HS-422	.21sec/60°	3.3	Clockwise	45°/one side pulse	8/150	1.6 x 0.8 x 1.4	13.95	12.95
2124980	HS-485HB	.22sec/60°	4.8	Clockwise	45°/one side pulse	8/150	1.6 x 0.8 x 1.5	16.95	14.95
2124971	HS-645MG	.24sec/60°	7.7	Clockwise	45°/one side pulse	8.8/350	1.6 x 0.8 x 1.5	29.95	28.95

* Manufacturer: Pololu Corp.

Accessories

Part No.	Description	Pricing	
		1	5
358811	Servo gripper, 1.3" opening (compatible with all servos above)	\$16.95	\$14.95
2239103	3 color servo wire (red, black, yellow), 22-20, 50'	13.95	12.49
2171209	Analog sensor cable, 3-pin JST female connector	.95	.75
2177838	12' female-to-female 3-wire servo/sensor cable	1.95	1.75
2213392	11.8" male-to-female straight servo extension cable (blk/red/wht)	1.49	1.25
2143902	24" male-to-female twisted servo extension cable	3.95	3.49



Continuous & 0-180° Rotation Servos

Controlled easily from a BASIC Stamp or SX chip I/O pin using PBASICs or SX/B's PULSOUT commands.

- 4-6VDC @ ~190mA

* Web Code: FVD

- 2128201: 2 ball bearings on the output shaft for reduced friction
- 2110692/283021: Holds position over 180° range; standard servo
- 283039: Bidirectional continuous rotation and includes an adjustable potentiometer port to center the servo

Part No.	Mfr.	Mfr. Part No.	Stall Torque @ 6V	Size (L" x W" x H")	Wt. (oz.)	1	5
2201615	ReliaPro	CYS-S3003	38.88 oz.-in	1.6 x 0.8 x 1.5	1.75	\$9.95	\$8.95
2128201	Pololu	1248	66.7 oz.-in	1.7 x 0.8 x 1.6	1.55	12.95	12.49
283021	Parallax	900-00005	43.1 oz.-in	2.2 x 0.8 x 1.6	1.55	17.95	15.95
283039	Parallax	900-00008	47 oz.-in	2.2 x 0.8 x 1.6	1.50	14.95	14.49
2110692	Parallax	900-00014	19.4 oz.-in	0.9 x 0.37 x 0.61	0.31	11.95	10.95



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