

Solarbotics CAD Price List

as of June 17th, 2009

(items are listed in order as they appear in the 2009-2010 catalogue)



SOLARBOTICS® Ltd

201 35th Ave, N.E., Calgary, Alberta, Canada T2E 2K5

Toll Free: 1-866-276-2687 (1-866-B-ROBOTS)

Ph:(403) 232-6268 Fax: (403) 226-3741

www.solarbotics.com

Page 1 (Front Cover)

K PL - PumLantern \$29.95 ea.

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K HM - Herbie the Mousebot \$39.95 ea.

K SS - SolarSpeeder Solaroller \$27.50 ea.

K PL - PumLantern \$29.95 ea.

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K PP - Photopopper Photovore 5.0 \$45.00 ea.

K TB - Turbot Tumbling Robot \$59.95 ea.

K W3 - ScoutWalker III \$89.95 ea.

J DB - Beetlebot Coming soon!

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K SV - Sumovore Mini-Sumo \$98.50 ea.

K SV-Atmel - Sumovore Atmel ATmega8L Brainboard v2 \$20.95 ea.

K SV-PIC - Sumovore PIC 16F877A Brainboard v2 \$25.95 ea.

K SV-PICAXE - Sumovore PICAXE Brainboard \$34.95 ea.

K SV-BS2 - Sumovore BS2 Brainboard \$15.95 ea.

25030 - Stamp Stack II Microcontroller Kit \$35.00 ea.

K BB-Proto - Brainboard Prototyping PCB \$4.95 ea.

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K CMD - L298 Compact Motor Driver \$18.95 ea.

K SMD - L293D Secret Motor Driver \$12.95 ea.

K MSE - Rapid Fire MSE Solarengine Kit \$27.50 ea.

K MSE-U - High Performance MSE Solarengine Kit \$31.50 ea.

Sym1381 / SymFLED - Symet Parts Bundle \$13.50 ea.

K SAND - Sandwich PCB & Components \$49.95 ea.

SandPCB - Sandwich PCB \$12.00 ea.

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GM2 - 224:1 Offset Shaft Gear Motor 1 @ \$7.00 ea. 2 @ \$5.75 ea.

GM3 - 224:1 90° Shaft Gear Motor 1 @ \$7.00 ea. 2 @ \$5.75 ea.

GM6 - 120:1 "Baby GM2" Gear Motor 1 @ \$7.00 ea. 2 @ \$5.75 ea.

GM7 - 120:1 "Baby GM3" Gear Motor 1 @ \$7.00 ea. 2 @ \$5.75 ea.

GM8 - 143:1 Offset Shaft Gear Motor 1 @ \$7.00 ea. 2 @ \$5.75 ea.

GM9 - 143:1 90° Shaft Gear Motor 1 @ \$7.00 ea. 2 @ \$5.75 ea.

GM17 - 228:1 HE Offset Shaft Gear Motor 1 @ \$7.00 ea. 2 @ \$5.75 ea.

GMPW Deal - GM2/3/8/9/17 with GMPW 1 @ \$10.00 ea. 2 @ \$7.98 ea.

GM10 - Geared Pager Motor 1 @ \$12.00 ea. 2 @ \$9.75 ea.

GM10W Deal - GM10 Gear Motor with Wheel 1 @ \$13.75 ea. 2 @ \$10.60 ea.

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GM11a - 56:1 Mini Metal Gear Motor 1 @ \$15.95 ea. 2 @ \$13.95 ea.

GM12a - 100:1 Mini Metal Gear Motor 1 @ \$15.95 ea. 2 @ \$13.95 ea.

GM13a - 150:1 Mini Metal Gear Motor 1 @ \$15.95 ea. 2 @ \$13.95 ea.

GM14a - 298:1 Mini Metal Gear Motor 1 @ \$15.95 ea. 2 @ \$13.95 ea.

GM18 - 30:1 Mini Metal Gear Motor 1 @ \$15.95 ea. 2 @ \$13.95 ea.

GM15 - 25:1 6mm Planetary Gear Pager Motor 1 @ \$19.00 ea. 2 @ \$15.00 ea.

GM19 - 134.5:1 High Power Mini Metal Gear Motor 1 @ \$15.95 ea. 2 @ \$13.95 ea.

GM20 - 100:1 Mini Metal Sealed Gear Motor 1 @ \$19.75 ea. 2 @ \$15.95 ea.

GM21 - 360:1 Mini Metal Sealed Gear Motor	1 @ \$19.75 ea.	2 @ \$15.95 ea.
GM22 - 298:1 Mini Metal Sealed Gear Motor	1 @ \$19.75 ea.	2 @ \$15.95 ea.

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GM4 - Clear Servo	1 @ \$13.95 ea.	2 @ \$12.00 ea.
Servo - Servo S03N	1 @ \$12.95 ea.	2 @ \$11.66 ea.
22140 - GWS Modified Servo	1 @ \$14.30 ea.	2 @ \$12.95 ea.
22150 - Sub Micro Servo - NARO HP BB	1 @ \$19.15 ea.	2 @ \$17.95 ea.
22160 - Pico Servo - PICO+ BB	1 @ \$19.15 ea.	2 @ \$17.95 ea.
RM1a - Standard Motor	1 @ \$2.95 ea.	2 @ \$2.35 ea.
RM2 - Regular Motor 2	1 @ \$2.25 ea.	2 @ \$1.90 ea.
RM3 - Regular Motor 3	1 @ \$2.00 ea.	2 @ \$1.75 ea.
RPM2 - Regular Pager Motor 2	1 @ \$3.95 ea.	2 @ \$3.45 ea.
TPM2 - Tiny Pager Motor	1 @ \$4.95 ea.	2 @ \$4.40 ea.
VPM2 - Vibrating Disk Motor	1 @ \$3.95 ea.	2 @ \$3.50 ea.
MCM - Metal Cassette Mechanism	1 @ \$4.25 ea.	2 @ \$3.95 ea.
MCM2 - Metal Cassette Mechanism 2	1 @ \$6.75 ea.	2 @ \$5.95 ea.

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GMPW - GM Series Plastic Wheels	1 @ \$4.00 ea.	2 @ \$3.25 ea.
SW - Plastic Servo Wheel	1 @ \$4.00 ea.	2 @ \$3.25 ea.
GM10W - GM10 Wheel	1 @ \$2.35 ea.	2 @ \$2.00 ea.
GMW - GM2/3/8/9/17 Motor Mounts	1 @ \$1.25 ea.	2 @ \$1.00 ea.
RW2-3mm / RW2-1/16 - 1-1/4" Rubber Wheel	1 @ \$3.95 ea.	2 @ \$3.45 ea.
RW2i-3mm / RW2i-1/16 - 1-1/4" Rubber Wheel (Internal Set Screw)	1 @ \$3.95 ea.	2 @ \$3.45 ea.
RW - Rubber Wheel	1 @ \$1.15 ea.	2 @ \$1.00 ea.
Pret - Plastic Retainer	1 @ \$0.25 ea.	2 @ \$0.20 ea.
GMTT - GM2/3/8/9 Traction Tires	1 @ \$4.00 ea.	2 @ \$3.25 ea.
HexW050 - 0.050" Bondhus Hex Wrench		\$0.50 ea.

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MMFC - Fuse Clip Motor Mount		\$0.25 ea.
M1.7x0.35 - GM11a/12a/13a/14a Mounting Screw/Bolt		\$0.20 ea.
GMB28 - GM2/GM8 Gear Motor Bracket	1 @ \$1.50 ea.	2 @ \$1.35 ea.
GMB39 - GM3/GM9 Gear Motor Bracket	1 @ \$1.50 ea.	2 @ \$1.35 ea.
FpinGM15 - 1.27mm Pitch Micro Connector for GM15	1 @ \$1.85 ea.	2 @ \$1.65 ea.
GMT - Gear Motor Tread Link	1 @ \$1.00 ea.	10 @ \$0.77 ea.
GMTC - Gear Motor Tread Cogs		\$2.25 ea.
GMTI - Gear Motor Tread Idlers		\$2.25 ea.
GMTPkg - Gear Motor and Tread Package		\$39.95 ea.
GMW02 - GM2/3/8/9 Wheel Watcher Rotation Encoder		\$22.00 ea.
GMW0K1 - Dual Wheel Watcher Rotation Encoder Kit		\$42.00 ea.
GMWWS - Wheel Watcher Spacer for GM2/3		\$1.95 ea.

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SCPD - 1/8" Square Solar Cell	1 @ \$1.35 ea.	2 @ \$1.00 ea.
SCC2433B-MSE - 24x33mm Polycrystalline Solar Cell w/ MSE Circuit	1 @ \$6.50 ea.	2 @ \$5.00 ea.
SCC3733 - 37x33mm Polycrystalline Solar Cell w/ MSE Circuit	1 @ \$8.00 ea.	2 @ \$6.25 ea.
SCC3766 - 37x66mm Polycrystalline Solar Cell	1 @ \$11.00 ea.	2 @ \$8.25 ea.

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28920 - Freeduino SB	1 @ \$31.20 ea.	10 @ \$29.64 ea.
34020 - Breadboard Voltage Regulator Kit	1 @ \$5.95 ea.	2 @ \$5.35 ea.
21020 - 1-Panel Breadboard	1 @ \$5.95 ea.	10 @ \$5.45 ea.
21000 - 2-Panel Breadboard	1 @ \$19.15 ea.	10 @ \$17.85 ea.
21005 - 3-Panel Breadboard		\$23.95 ea.
21010 - Economy Wiring Kit	1 @ \$5.95 ea.	10 @ \$5.45 ea.
34010 - 6VDC @ 500mA Power Adapter	1 @ \$10.75 ea.	10 @ \$9.75 ea.
34040 - 12VDC @ 1A Power Adapter	1 @ \$11.95 ea.	10 @ \$10.75 ea.
28570 - AXE Stack-18 Kit	1 @ \$19.95 ea.	10 @ \$17.96 ea.
28580 - AXE Stack-28 Kit	1 @ \$21.95 ea.	10 @ \$19.76 ea.
28410 - PICAXE-08 IC	1 @ \$3.30 ea.	10 @ \$3.05 ea.
28415 - PICAXE-08M IC	1 @ \$4.20 ea.	3 @ \$3.95 ea.
28435 - PICAXE-14M IC	1 @ \$4.75 ea.	3 @ \$4.45 ea.
28425 - PICAXE 18X SMD IC	1 @ \$9.55 ea.	4 @ \$9.15 ea.
28440 - PICAXE-18A IC	1 @ \$6.60 ea.	10 @ \$6.35 ea.
28450 - PICAXE-18X IC	1 @ \$10.20 ea.	10 @ \$9.65 ea.
28504 - PICAXE-20M IC	1 @ \$3.55 ea.	3 @ \$3.45 ea.
28484 - PICAXE-28X2 IC	1 @ \$12.60 ea.	10 @ \$11.35 ea.
28485 - PICAXE-28X2 IC - Low Voltage	1 @ \$12.60 ea.	10 @ \$11.35 ea.

28492 - PICAXE-40X2 IC	\$13.15 ea.
28494 - PICAXE-40X2 IC - Low Voltage	\$13.15 ea.

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JBB - Junkbots, Bugbots & Bots on Wheels	\$28.99 ea.
RFBF - Robot Building for Beginners	\$28.50 ea.
ABG - Absolute Beginner's Guide to Robots	\$28.75 ea.
10160 - Programming and Customizing the PICAXE Microcontroller	\$45.54 ea.
10220 - Make Magazine Year 1	\$71.94 ea.
10232 - Make Magazine Year 3	\$71.94 ea.
10200 - The Best of Make: 75 Projects	\$41.99 ea.
10190 - Makers	\$29.95 ea.
10180 - Making Things Talk	\$35.98 ea.
10210 - The Eccentric Cubicle	\$35.99 ea.
10260 - The Best of Instructables Volume 1	\$42.05 ea.

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ABGM - Mousey Bundle	1 @ \$20.05 ea.	10 @ \$18.79 ea.
Make12BeetleBot - Beetlebot Starter Bundle	1 @ \$12.30 ea.	10 @ \$11.70 ea.
Make06Trimet - Trimet Bundle	1 @ \$23.00 ea.	10 @ \$20.45 ea.
Make06SolarRoller - SolarRoller Bundle	1 @ \$19.50 ea.	10 @ \$16.45 ea.
MF08 Bundle - Maker Bundle		\$55.00 ea.
JBBW - JBB Walker Bundle	1 @ \$43.55 ea.	10 @ \$42.35 ea.
JBBMS - JBB Mini-Sumo Bundle	1 @ \$33.95 ea.	10 @ \$30.77 ea.
JBBHB - JBB Headbot Bundle	1 @ \$13.80 ea.	10 @ \$12.10 ea.
JBBHRB - JBB Herbie Bundle	1 @ \$17.60 ea.	10 @ \$16.89 ea.
JBBAB - JBB Adaptive Bicare Bundle	1 @ \$6.25 ea.	10 @ \$6.02 ea.
SWT1 - SPDT Slide Switch	1 @ \$1.35 ea.	10 @ \$1.15 ea.
SWT2 - SPDT Toggle Switch	1 @ \$4.75 ea.	10 @ \$4.25 ea.
SWT3 - DPDT Micro Slide Switch	1 @ \$0.50 ea.	10 @ \$0.39 ea.
SWT4 - DPTT Micro Slide Switch	1 @ \$0.60 ea.	10 @ \$0.49 ea.
SWT7 - DPDT Micro TopMount Slide Switch	1 @ \$0.50 ea.	10 @ \$0.45 ea.
SWT9 - SPDT Snap Lever Switch	1 @ \$1.75 ea.	10 @ \$1.55 ea.
SWT10 - SPST Pushbutton Switch	1 @ \$0.60 ea.	10 @ \$0.45 ea.
RE1 - DPDT 5V Relay	1 @ \$3.50 ea.	10 @ \$2.99 ea.

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CPO.001µF - 0.001µF Capacitor	\$0.25 ea.
CPO.01µF - 0.01µF Monolithic Capacitor	\$0.30 ea.
CPO.1µF - 0.1µF Monolithic Capacitor	\$0.25 ea.
CPO.22µF - 0.22µF Monolithic Capacitor	\$0.40 ea.
CPO.47µF - 0.47µF Monolithic Capacitor	\$0.45 ea.
CP1.0µF - 1.0µF Monolithic Capacitor	\$0.80 ea.
CP6.8µF - 6.8µF Monolithic Capacitor	\$0.80 ea.
CP22µF - 16V 22µF Electrolytic Capacitor	\$0.25 ea.
CP330µF - 330µF 16V Capacitor	\$0.35 ea.
CP1000µF - 1000µF 6.3V Capacitor	\$0.80 ea.
CP3300µF - 3300µF 6.3V Capacitor	\$1.75 ea.
CP4700µF - 4700µF 6.3V Capacitor	\$2.00 ea.
CP4700µF-16V - 4700µF 16V Capacitor	\$2.25 ea.
CPO.35F - 0.35F 2.5V Double Layer Capacitor	1 @ \$5.00 ea. 2 @ \$4.00 ea.
CP1.0F - 1.0F 2.5V Capacitor	1 @ \$6.50 ea. 2 @ \$5.00 ea.
CPAG1.0F - 1.0F 2.5V Aerogel Capacitor	1 @ \$5.00 ea. 2 @ \$4.00 ea.
PP8-40, PPH-40 - 40-Series Pogo Pins	1 @ \$1.50 ea. 10 @ \$1.25 ea.
PP1-50, PP2-50, PPH-50 - 50-Series Pogo Pins	1 @ \$1.50 ea. 2 @ \$1.25 ea.
PP2-75 - 75-Series Pogo Pins	1 @ \$1.25 ea. 2 @ \$0.99 ea.
PP1, PP3, PP4, PP6, PP8, PPH1 - 111-Series Pogo Pins	1 @ \$1.25 ea. 10 @ \$0.99 ea.

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1381x (C/E/J/L/N/O/S/U) - Panasonic 1381 Trigger	1 @ \$1.75 ea. 10 @ \$1.50 ea.
74HC240 - 74HC240 Octal Inverting Buffer	\$1.00 ea.
74AC14 - 74AC14 6 Gate Hex Inverter Chip	\$0.75 ea.
74AC240 - 74AC240 Inverter Buffer Chip	\$1.00 ea.
74HCT240 - 74HCT240 Inverter Chip	\$1.35 ea.
74AC245 - 74AC245 Buffer Chip	\$1.00 ea.
L298 - SGS Thompson L298	\$4.95 ea.
L293D - SGS Thompson L293D	\$3.50 ea.
8212 - Maxim 8212 Voltage Monitor	\$3.75 ea.
74HC4066 - 74HC4066 Quad Bipolar Switch	\$0.75 ea.
74AC139 - 74AC139 1of4 Decoder	\$0.75 ea.

74HC86 - 74HC86 EXCLUSIVE-OR Gate	\$0.75 ea.
LM386 - LM386 Audio Op-Amp	\$0.75 ea.
LM324 - LM324 Op-Amp	\$0.50 ea.
LM339 - LM339 Quad Comparator.	\$0.50 ea.
LM393 - LM393 Dual-Comparator.	\$0.50 ea.
LM2937 - LM2937 5V Regulator	\$1.50 ea.
LM555 - LM555 Audio Op-Amp	\$0.75 ea.
ATMega8L - Atmel Mega8L	\$3.75 ea.
PIC16F877A - Microchip PIC16F877A	\$7.95 ea.
DC-8Pin - 8 Pin DIP Socket Carrier.	\$0.25 ea.
DC-14Pin - 14 Pin DIP Socket Carrier	\$0.30 ea.
DC-16Pin - 16 Pin DIP Socket Carrier	\$0.30 ea.
DC-20Pin - 20 Pin DIP Socket Carrier	\$0.35 ea.
DC-24WPIn - 24 Pin Wide DIP Socket Carrier	\$0.50 ea.
DC-28Pin - 28 Pin DIP Socket Carrier	\$0.50 ea.
DC-40WPIn - 40 Pin Wide DIP Socket Carrier	\$0.75 ea.
Apin - Long 18mm (3/4") Socket Pins	\$0.25 ea.
Spin30 - 32 Pin SIP Socket.	\$2.50 ea.
Tact1 - 1.77mm Nickel-Plated Steel Spring Tubing	\$0.65 ea.
Tact2 - Dual Small Spring Sensor Parts Bundle	\$4.50 ea.
Tact3 - Heavy-Duty Sensor	\$5.00 ea.
IR1 - Infrared Optical Sensor	\$1.35 ea.
CDS - CdS Light Sensitive Resistor.	\$1.35 ea.
QRD1114 - Fairchild QRD1114 Line Sensor	\$1.35 ea.
PNA4602 - 38 Khz IR Detector	\$1.60 ea.

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TR3904 - 2N3904 Transistor	\$0.15 ea.
TR3906 - 2N3906 PNP Transistor	\$0.15 ea.
TR2222 - 2N222 Transistor.	\$0.15 ea.
TR2907 - 2N2907 PNP Transistor	\$0.15 ea.
TRZVN2106 - ZVN2106 N-Channel FET	\$1.15 ea.
TRZVP2106 - ZVP2106 P-Channel FET	\$1.15 ea.
LMP1 - Light-Use Rectangular Leg Mounting Pad.	\$1.00 ea.
LMP2 - Heavy-Duty Triangular Leg Mounting Pad	\$1.00 ea.
LMP3 - Rounded Leg Mounting Pad	\$1.00 ea.
CMH - Major Henry Coil	\$2.50 ea.
SHX - 0.032" Diameter Multicore Hydro-X Solder	\$1.00 ea.
Wleg - Gumby Leg	\$3.00 ea.
GRF - Gumby Rubber Feet	\$0.25 ea.
Mag1 - 3/4" Neodymium Magnet.	\$2.75 ea.
BHoldAA - Dual AA battery Holder	\$2.75 ea.
BHoldAA 4 Cell - Quadruple AA Battery Holder	\$2.75 ea.
BHoldAAA - Dual AAA Battery Holder	\$2.75 ea.
BHold9V - 9V Battery Connector.	\$0.75 ea.
TBLK2 - 2-Position Terminal Block	1 @ \$1.00 ea. 2 @ \$0.75 ea.
TBLK3 - 3-Position Terminal Block	1 @ \$1.10 ea. 2 @ \$0.85 ea.
SIN2mm-W - 2mm White Sintra	\$2.85 ea.
SIN3mm-R/DB/Y/B/W - 3mm Sintra	\$3.25 ea.
SIN6mm-W/B - 6mm Sintra	\$5.75 ea.

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28920 - Freeduino SB	1 @ \$31.20 ea. 10 @ \$29.64 ea.
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Check us out online at www.solarbotics.com for higher quantity price breaks!

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Prices and availability are subject to change without notice. When price discrepancies occur between the price sheet and the website, the website is taken as correct. Terminology "ea." is abbreviation for "each".