ENCLOSURES WITH ALUMINUM COVERS
Heavy-duty 3/32” molded plastic boxes with brushed aluminum covers. Built in stand-offs for PC or perf boards. Includes screws. 
Solderable perf boards PC-1, 2, 3, 4 listed below fit these cases.

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>CAT#</th>
<th>L9</th>
<th>L10+</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.7” x 1.7” x 1.2” H</td>
<td>TB-1</td>
<td>1.90</td>
<td>1.75</td>
</tr>
<tr>
<td>3.3” x 2.1” x 1.4” H</td>
<td>TB-2</td>
<td>2.50</td>
<td>2.30</td>
</tr>
<tr>
<td>4.2” x 2.7” x 1.6” H</td>
<td>TB-3</td>
<td>2.95</td>
<td>2.75</td>
</tr>
<tr>
<td>5.3” x 3.3” x 1.6” H</td>
<td>TB-4</td>
<td>3.75</td>
<td>3.50</td>
</tr>
</tbody>
</table>

SOLDERABLE BREADBOARDS
Perf board with mounting holes designed to fit our project enclosures TB-1,2,3 and 4. Boards have holes on 0.1” matrix to fit most standard components. Copper solder rings on one side.

- 1 1/2” x 1 3/4”. Fits TB-1 enclosure  
  CAT# PC-1 75¢ each
- 1 7/8” x 2 1/4”. Fits TB-2 enclosure  
  CAT# PC-2 $1.00 each
- 2 1/2” x 3 1/8”. Fits TB-3 enclosure  
  CAT# PC-3 $1.50 each
- 3” x 4 1/4”. Fits TB-4 enclosure.  
  CAT# PC-4 $2.00 each

- 60 x 80mm, 594 point multilayer epoxy board. Single hole pads. Holes on 0.1” centers. Double-sided with pre-tinned through-holes. Rows and columns are labeled alphanumerically.  
  CAT# SB-25 $3.00 each

Same pattern and spacing as our solderless board, CAT# PB-400.

Transfer your parts and wires, keeping the same layout to get a long-lasting prototype with reliable solder connections. High-quality FR4 glass epoxy PC board. Copper on one side. CAT# SB-300 has the same pattern as SB-400 w/o the bus strips on each side.

- 300 point  
  CAT# SB-300 $4.00 each
- 400 point  
  CAT# SB-400 $5.00 each
- 800 point  
  CAT# SB-800 $6.50 each

SOLDERABLE PERF BOARD WITH SOLDER PADS AND BUSS STRIPS
Multilayer epoxy boards. Holes on 0.1” centers for SIP and DIP components.

- SINGLE HOLE PADS  
  double sided w/ plated through-holes  
  50 x 80mm CAT# SB-24 $4.00 each  
  80 x 100mm CAT# SB-48 $6.60 each

- TWO HOLE PADS  
  copper pads one side  
  50 x 80mm CAT# SB-2H $3.25 each

- SOLID LINE PATTERN  
  copper pads one side  
  50 x 80mm CAT# SB-STL $3.15 each  
  100 x 80mm CAT# ECS-6 $4.00 each  
  160 x 100mm CAT# ECS-4 $6.95 each

SNAPPABLE BREADBOARD
Solderable, double-sided breadboard that can be used as a single proto board or snapped into four smaller boards for tiny projects. 2-hole strips and 4-hole strip areas. Four power rails. Centerline pads. High-quality FR4 glass epoxy PCB. Lead-free. Anti-tarnish coating. 0.042” holes drilled on 0.1” centers.

Size: 2.5” x 3.8” (63.5 x 96.5mm).

CAT# SBB-4 $5.50 each

SMT PADS
Grid of SMT pads on 0.05” centers allows SMT components of various sizes & pitches to be mounted. Larger components can span pads. Solid copper ground plane on bottom of board. Every 4th SMT pad has an unplated hole for easy connection to the ground plane.

- 50 x 80mm CAT# SB-5050 $4.00 each  
- 100 x 160mm CAT# SB-3T $12.50 each

SOLDERLESS BREADBOARDS
Design and change circuits quickly and cleanly. Bread-boards accommodate all sizes of dips and discrete components with lead diameters up to 0.032”. Interconnect with solid hook-up wire (#22 AWG recommended). Wires & components can be used & re-used many times without damage to board or components.

- 170 Contacts.  
  1.80” x 1.40” x 0.375” high.  
  CAT# PB-170 $2.50 each  
  10 for $2.00 each

- 400 contacts. 300 contacts on main board & 50 contacts on each of two power distribution strips. Distribution strips are removable. White.  
  CAT# PB-400 $4.00 ea. • 10 / $3.75 ea.

- Same specs as PB-400 above, but made of clear plastic.  
  CAT# PB-400C $3.65 each  
  10 for $3.40 each

- 470 contacts plus two 70 contact buss strips, for a total of 610 contacts.  
  3 binding posts mounted on aluminum back plate.  
  5.92” x 3.75” x 0.43” high.  
  CAT# PB-610 $12.50 each  
  840 contacts.

- Dual row of buss terminals on each side of terminal strip. Double-sided adhesive tape backing. Holes for screw mounting. 2.2” x 6.5” x 0.38” high.  
  CAT# PB-840 $7.65 each

- 1680 contacts.  
  2 terminal strips.  
  4 buss strips, 3 binding posts mounted on aluminum back plate  
  5 1/8” x 6 7/8” x 3/8” high.  
  CAT# PB-1680 $15.95 each
3260 contacts.
4 terminal strips,
7 buss strips, 4 binding
posts mounted on an
aluminum back plate
7 7/8” x 8 3/4” x
3/8” high.
**CAT# BH-3260**
$32.00 each

**ARDUINO UNO PROJECT HOLDER W/ BREADBOARD**

Keeps your Arduino Uno
next to your bread-
board so jumper
wires stay in place. 400 point
breadboard with buss strips. Four threaded
standoffs and screws securely mount Uno to
plate. 160 x 106mm overall.
**CAT # PBH-1** $9.50 each

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**BREADBOARD POWER SUPPLY**

Module plugs into our solderless
breadboards and provides
5V and/or 3V to the rails as
well as other useful functions.
Works with our breadboard,
**CAT# PB-400 (sold separately).**
32 x 54 x 25mm (1.26” x 2.08” x 0.86”).
**CAT# MB-PS** $4.75 each

**BATTERY BOXES FOR BREADBOARDING**

Completely enclosed with
slide-off cover. Integrated
On-Off switch. 6” leads with
machined male pins for use
with solderless breadboards.
Holds three AAA batteries for
4.5Vdc power. 2.49” x 1.45” x 0.62”.
**CAT # BH-33A** $3.65 each

Holds three AA batteries for 4.5Vdc power.
2.69” x 1.90” x 0.72”.
**CAT# BH-AA3** $4.50 each

Holds four AAA batteries for 6 Vdc power.
2.44” x 1.90” x 0.62”.
**CAT # BH-43A** $4.20 each

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**TWEEZER TEST LEADS**

A must for testing small,
in-circuit components.
Shrouded banana plugs
fit most test meters.
Tweezed marked
with + and - symbols.
5.9” long tweezzer probe.
Overall length of leads, 24”.
**CAT # TL-126** $6.95 each

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**JUMPER WIRE SETS**

Pre-formed jumper wires
for use with solderless
breadboards. 14 color-coded
lengths. AWG 22 solid wire.
Unbreakable clear plastic storage case.

**140 PIECE ASSORTMENT**
10 of each size
**CAT # JW-140** $3.75 each

**350 PIECE ASSORTMENT**
25 of each size
**CAT # JW-350** $12.95 each

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**TEST CABLES & CLIPS**

**ECONOMY TEST LEADS**
Red and black lead set with
banana plug on one end & pin
probe on other end. 3 ft. long.
**CAT # TL-100** $2.80 per set
10 for $2.55 per set

**TEST LEADS WITH PIN PLUGS**
Set of red and black test
leads with pin plugs.
22” long cables.
**CAT # TL-112** $1.85 set

**TEST LEAD: BNC TO ALLIGATOR CLIPS**
7” Mueller test cable.
BNC male plug to red
and black alligator clips.
**CAT # TL-105** $6.95 each

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**MINI-HOOK JUMPERS & PROBES**

Mini-hooks are great for connection to parts
in high-density areas. They give a firm,
insulated connection

**SET OF TWO 1 1/2” MINI HOOK JUMPERS**
Two 18” long mini-hook
patch cords. One black,
one red, with 1.5” long
mini-hoops on each end.
**CAT# MTC-2** $4.00 each

**2” MINI-HOOK JUMPERS**
Five 18” long mini-hook
patch cords. Black, red,
white, green and yellow.
**CAT# MTC-5**
set of 5 for $7.95