ProtoBox-1593P Kit (PCB+Box)



A Hammond 1593P handheld plastic enclosure with battery compartment, packaged with a matching BPS ProtoBoard 2-hole per strip PCB.



Hammond Battery Holders (Sold Separately by Hammond)

Hammond Part #	Battery Holder Kit	Battery Holder Kit Includes
BH1AAW Single AA Battery	All and a second	 Battery holder for one AA battery Wire leads Double sided tape backing Battery NOT included
BH2AAW Double AA Batteries	The state of the s	 Battery holder for two AA batteries Wire leads Foam with adhesive tape on one side Divider for 1599 series - NOT included Battery NOT included
BH1AAAW Single AAA Battery		 Battery holder for one AAA battery Wire leads Double sided tape backing Battery NOT included
BH2AAAW Double AAA Batteries		 Battery holder for two AAA batteries Wire leads Double sided tape backing Batteries NOT included
BH3AAAW Triple AAA Batteries		 Battery holder for three AAA batteries Wire leads Double sided tape backing (two strips) Batteries NOT included
BH4AAAW Quad AAA Batteries		 Battery holder for four AAA batteries Wire leads Foam with adhesive tape on one side Divider for 1599 series - NOT included Batteries NOT included
BS61 Single 9 Volt Battery		 Battery holder for one 9V battery Wire leads Foam with adhesive tape on one side Dividers for 1599 series - NOT included Battery NOT included

ProtoBoard-1593P - for Hammond 1593P Boxes



A prototyping board designed for the Hammond 1593P handheld enclosure with battery compartment.

Features

ProtoBoard saves time! The PCB is designed specifically for the Hammond 1593P box. No cutting is required. The mounting holes are present in the right spots.

The convenient 2-hole ProtoBoard pattern provides an easy way to connect parts while maximizing usable board area.

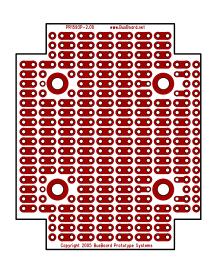
Lead free etched copper PCB with an anti-tarnish coating for easy soldering.

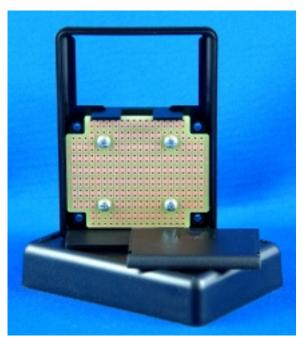
PCB Specifications

- High-quality FR4 glass epoxy board.
- Four 0.125" (1/8") mounting holes.
- Four 4-40 PCB mounting screws provided.
- Single sided, 1oz/ft² copper PCB
- 0.042" holes drilled on 0.1" centers
- PCB Size 1.9 x 2.4 in. (49 x 60mm)

Order Part# PR1593P (for PCB only)

Board Layout (actual size)

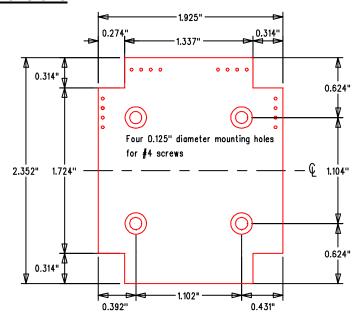




PR1593P Prototyping Board shown with the Hammond 1593PBK box (box not included).

To purchase the PCB + Box together, order BPS part# KIT-1593P-BK

PCB Mechanical Dimensions



- 1. PCB is symmetrical along the centerline.
- 2. All solder pads are located on a 0.100" grid.
- 3. The mounting holes are NOT located on the 0.100" grid. PCB Design Copyright 2005 BusBoard Prototype Systems Ltd.

Hammond 1593P Hand Held Case Features

Note: The box is **NOT** included with BPS part# PR1593P.

The box is included with part# KIT-1593P-BK.

Hand-held electronic instrument enclosure.

Built-in PCB standoffs.

1 removable end panel (included).

Battery compartment for 1xAA, 2xAA, 1 to 4 AAA, or 1x9V battery (battery connector or holder not included). Long life "three snap" battery door.

Recessed top for membrane overlay or keypad.

Lap joint construction provides protection against dust.

Black, gray, or blue general purpose ABS plastic.

Secured with self tapping screws (included). Box Size 3.6 x 2.6 x 1.1 inches (92 x 66 x 28 mm)

To order the box by itself order Hammond part# 1593PBK (black), 1593PGY (gray) or 1593PTBU (translucent blue)

See http://www.hammondmfg.com/dwg8.htm http://www.hammondmfg.com/dwg8TBU.htm

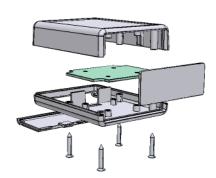
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Top View of Assembly SECTION A-A (Side View Inside Assembly) **Bottom Cover Detail View of PCB Boss** (Located on Top and Bottom Cover) Ø 5.60 Ø 5.60 4.50 [.220] [.220] [.177] (Top Assem Boss Ø) (Bottom Assem Boss Ø) 92.00 [3.622] Ø 4.90 [.193] P.C. Board 21.80 [.858] (Inner Box Height) Front Panel [2.618] **SECTION B-B** (Inside of Bottom Cover) **End View of Assembly** 1.0231 60.87 1.00 Bottom Cover [2.397] 50.30 [.039] (Inner Box Width) [.020] (Inlay Depth) [1.980] (PCB dist from end panel) Front Panel В P.C. Board Aligned on Bosses [1.594] [3.342] 27.90 (Inner Box Length) [1.098] Maximum P.C. Board Size Front/Rear Panel 9.94 (Dashed Line Indicates Viewing Area) [.392] 57.69 [2.271] 15.86 (Viewing Area) [.313] [.625] P.C. Board 20.80 28.00 (Not Supplied) 22.50 59.73 [.819] [2.352] [1.102] [.886] (Viewing Area) Ø3.20 x 4 [.126] 59.50 [2.343] 1.70 6.96 [.067] R3.26 [.274] 28.00 [.128] [1.102] 48.89 [1.925]

Hand Held Instrument (1593P)



Enclosures can be Factory Modified (Milling, Drilling, Printing etc.) Solid models of this enclosure available in STEP or IGES.

Contact Factory mjm@hammondmfg.com

NOT

Enclosure molded from GP ABS (UL94-HB) plastic.

Purchased assembly includes top and bottom cover, front panel (plastic), battery door and 4 cover screws.

PART NUMBERS				
1593P Enclosure				
Black Enclosure	1593PBK			
Grey Enclosure	1593PGY			
ACCESSORIES				
Cover Screws (Pkg 100) [#4 x 3/4" self-tapping oval head (19.1mm)]	1593QS100 (Silver) 1593QS100BK (Black)			
P.C. Board Screws [#4 x 1/4" self-tapping (6.4mm)]	1593ATS50 (Pkg 50) 1593ATS100 (Pkg 100)			
Belt or Pocket Clip	1599CLIP (Black) 1599CLIPGY (Grey)			
Infrared Panels (Pkg 10)	1593DIR10			



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Наши преимущества:

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- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
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- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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