ProtoBox–1553DBAT Kit (PCB+Box)

A Hammond 1553DBAT soft-side plastic enclosure with battery compartment, packaged with a matching ProtoBoard 2-hole per strip PCB.



ProtoBoard-1553DBAT – for 1553DBAT Boxes

A prototyping board designed for the Hammond 1553DxBAT soft-sided handheld case with battery compartment.

Features

ProtoBoard saves time! The PCB is designed specifically for the Hammond 1553DxBAT 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.

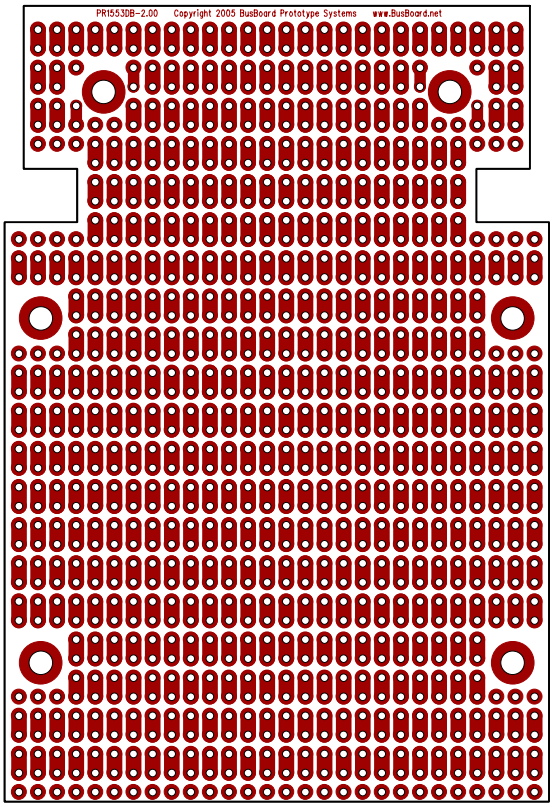
Lead free etched copper PCB with an anti-tarnish coating for easy soldering.

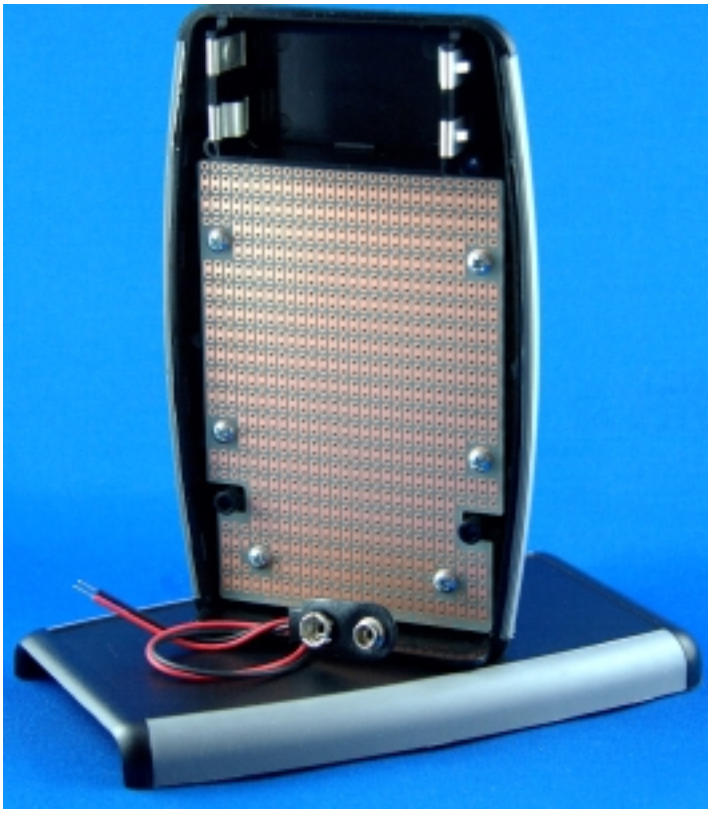
PCB Specifications

- High-quality FR4 glass epoxy board.
- Six 4-40 PCB mounting screws provided.
- Single sided, 1oz/ft^2 copper PCB
- 0.042" holes drilled on 0.1" centers
- PCB Size 2.850 x 4.175 in. (72 x 106mm)

Order Part# PR1553DBAT (for PCB only)

Board Layout (actual size)

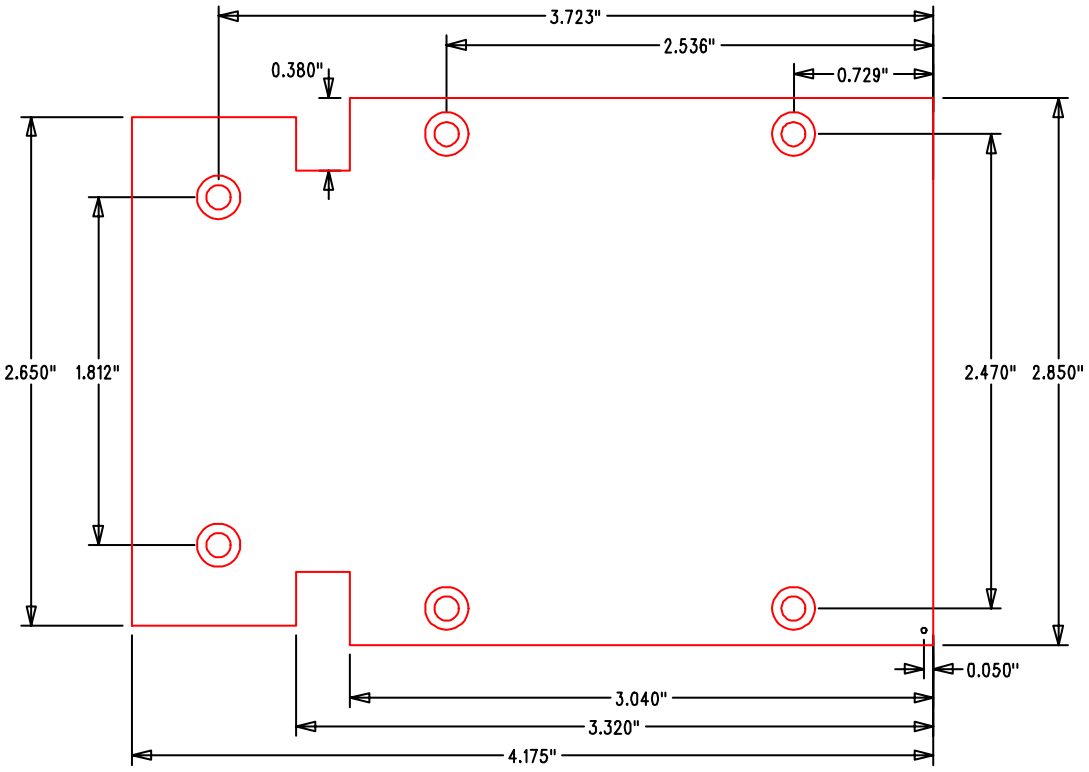




PR1553DBAT Prototyping Board shown with the Hammond 1553DBKBAT box (box not included).

To purchase the PCB + Box together, order BPS part# KIT-1553DBAT-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 1553DxBAT Hand Held Case Features

Note: The box is **NOT** included with BPS part# PR1553DBAT.
The box is included with part# KIT-1553DBAT-BK.

Soft-sided ergonomic hand held electronic case.

Box Size 5.8 x 3.5 x 1.0 inches (147 x 89 x 26 mm)

Battery compartment for 2xAA or 9V batteries (battery clips included). Long life "three snap" battery door.

1 removable end panel (included).

Built-in PCB standoffs.

Box closed with self tapping screws (included).

Recessed top for membrane display or keypad. Lap joint construction provides protection against dust accumulation and splashing water.

Black/Gray, Black/Black, Gray/Gray, Yellow, Red, and Translucent Blue colors available.



To order the box by itself, use Hammond part #'s 1553DBKBAT, 1553DGYBAT, 1553DBKBKBAT, 1553DTBUBKBAT, 1553DRDBKBAT, 1553DYLBKBAT

See http://www.hammondmfg.com/1553.htm
http://www.hammondmfg.com/1553colors.htm

Includes 4 clips for two AA batteries.



Includes wired clip for 9V battery.







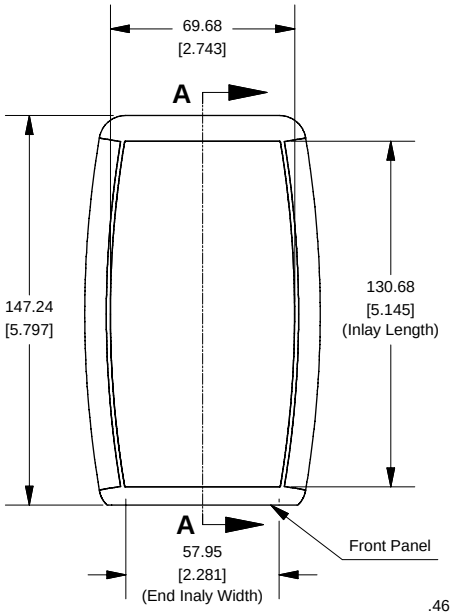




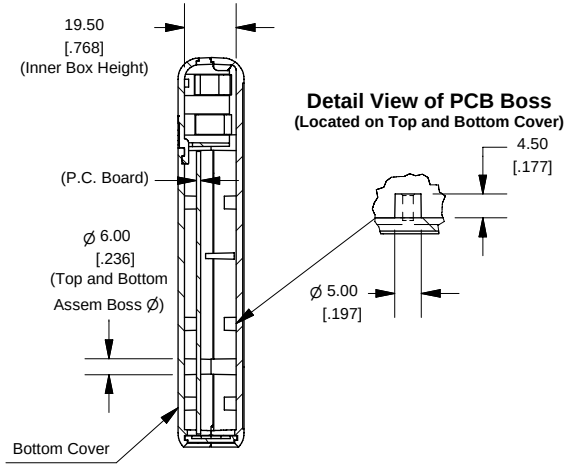


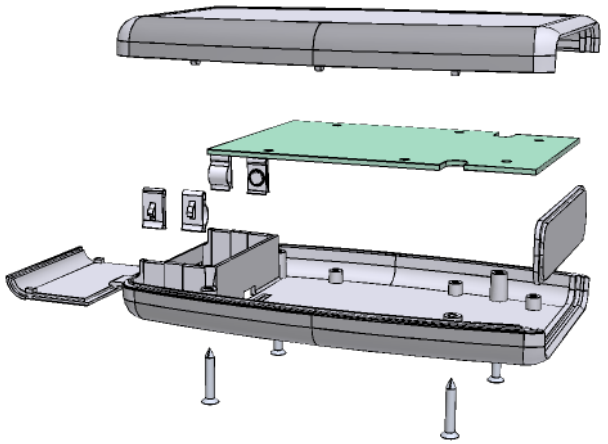
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Top View of Assembly

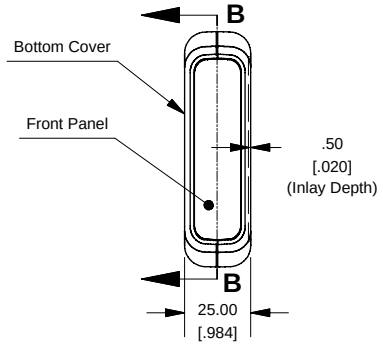


SECTION A-A
(Side View Inside Assembly)

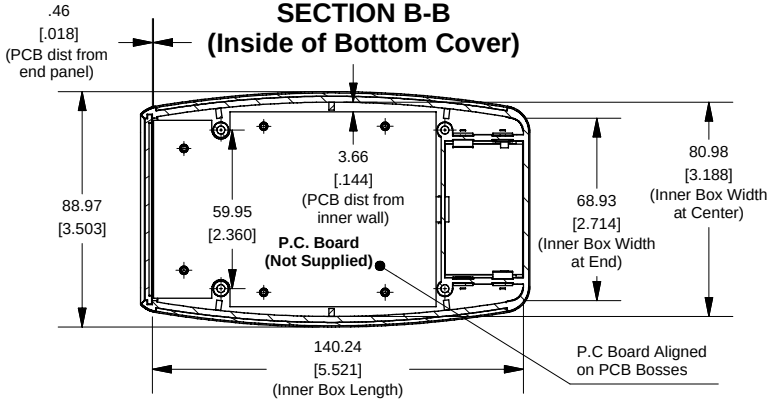




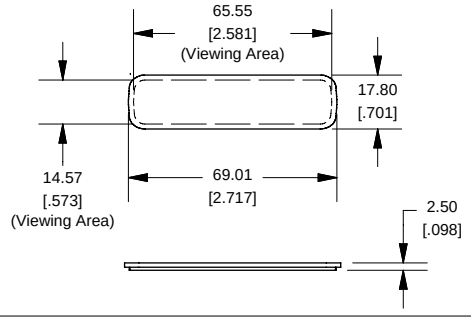
End View of Assembly



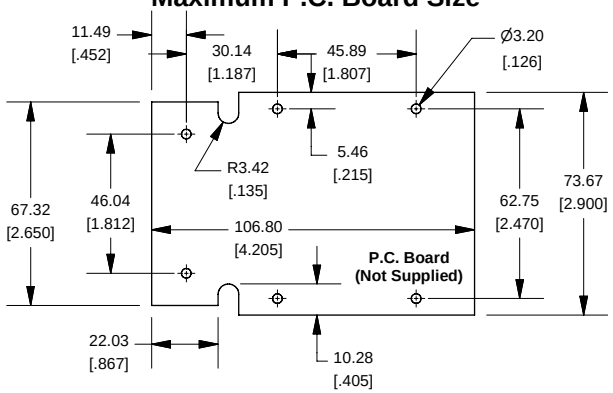
SECTION B-B
(Inside of Bottom Cover)



Front/Rear Panel
(Dashed Line Indicates Viewing Area)



Maximum P.C. Board Size



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

NOTE
Enclosure molded from GP ABS (UL94-HB) plastic.
Purchased assembly includes top and bottom cover, front plastic panel, battery door, battery spring clips, 9V adapter and 4 cover screws.

PART NUMBERS	
1553D Enclosure	
Black Enclosure/Grey Over-mold	1553DBKBAT
Grey Enclosure/Grey Over-mold	1553DGYBAT
ACCESSORIES	
Cover Screws (Pkg 100) [#4 x 5/8" self-tapping oval head (15.9mm)]	1593MS100 (Silver) 1593MS100BK (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)

HAMMOND MANUFACTURING™

1553D-BAT

www.hammondmfg.com