BOX2-P14

Handheld plastic enclosure for up to three Size1 and Size2 PCBs

AVAILABLE STYLES:

| GREY	BLACK	TRANSPARENT RED	TRANSPARENT BLUE
PART#: BOX2-P14-GY	PART#: BOX2-P14-BK	PART#: BOX2-P14-RT	PART#: BOX2-P14-BT

BOX2-P14 Features:

- Electronic instrument enclosure fits a combination of up to three Size1 & Size2 PCBs.
- ABS plastic construction with removable end panels.
- Recessed top for adhesive overlay or membrane keypad.
- Smooth top for clear display readability with transparent enclosures.
- Textured finish hides fingerprints.
- Self-tapping screws provided for securing enclosure.

4.33" (105mm)
4.13" (105mm)
1.38" (35mm)

SIZE 2

RoHS COMPATIBLE

BPS-DAT-(BOX2-P14)-Rev1 Datasheet
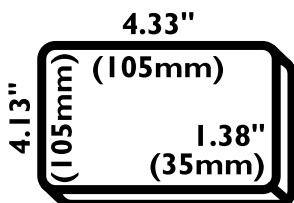
BOX2-P14 Details:

The BOX2-P14 is a handheld electronic instrument enclosure constructed from ABS plastic. A combination of up to three Size1 PCBs (80 x 50mm / 3.15 x 1.97") and Size2 PCBs (100 x 80mm / 3.94 x 3.15") can be installed with the built-in PCB standoffs, with configuration options shown below.

The plastic enclosure is easy to drill and features a textured finish that hides fingerprints and provides additional grip. Two removable end panels can be drilled for connectors.

The enclosure's top panel features a recessed top for an adhesive overlay or membrane keypad. The recessed top on the transparent red and blue enclosure have a clear smooth finish designed for easy viewing of displays.

Lap joint construction provides an IP54 protection rating against dust accumulation and splashing water. Self-tapping screws provided to close the enclosure. Black and transparent blue enclosures come with black screws while grey and transparent red come with nickel finish screws. PCB standoffs use standard 4-40 0.25" machine screws (not provided).

PCB Configuration Options:

Option #1 - Two PCBs
Two Size2 PCBs

Option #2 - Three PCBs
Two Size1 PCBs +
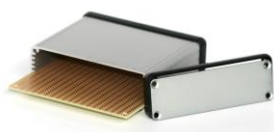Single Size2 PCB

Option #3 - Two PCBs
Single Size1 PCB +
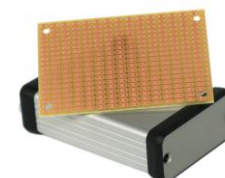Single Size2 PCB

Related Products:

BOX1-P14

KBOX2-AL-PR2H

KIT-1553B

KBOX1-AC-PR2H

Color Options:

Black
(BOX2-P14-BK)

Grey
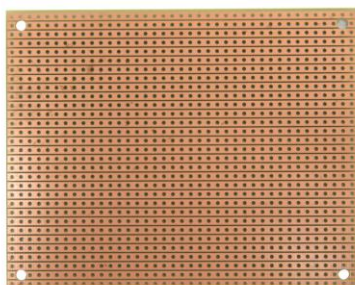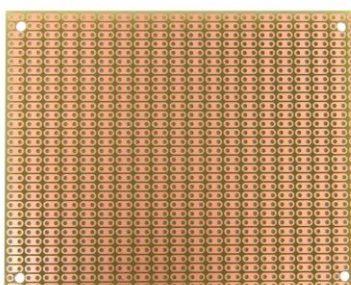(BOX2-P14-GY)

Transparent Red
(BOX2-P14-RT)

Transparent Blue
(BOX2-P14-BT)

Compatible BusBoard PCBs:

StripBoard
ST1
ST2

2-Hole ProtoBoard
PR2H1
PR2H2
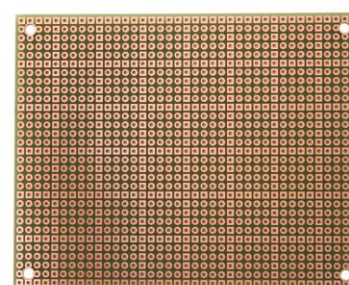
PadBoard
PAD1
PAD2
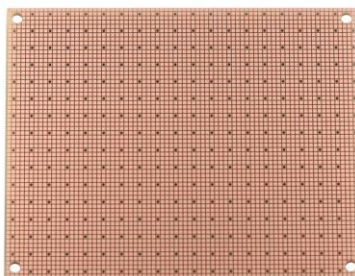
50mil SMTpads
SP1-50x50-G
SP2-50x50-G
SP2-50x50-2S
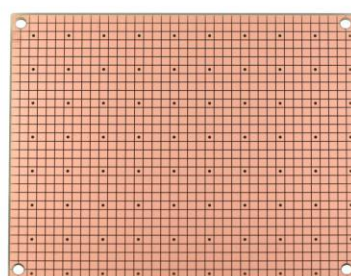
100mil SMTpads
SP1-100x100-G
SP2-100x100-G
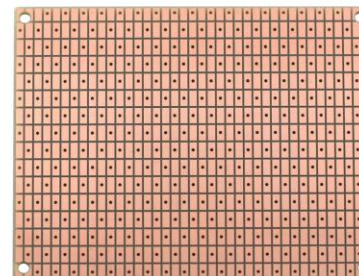
200mil SMTpads
SP1-200x100-G
SP2-200x100-G
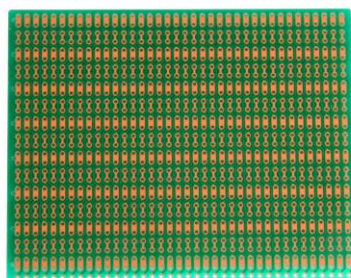
BusBoard
BB2

BOX2-P14 Details:

105.00 [4.13]
92.00 [3.62] INLAY WIDTH
102.00 [4.02] INLAY LENGTH
110.00 [4.33]

29.70 [1.17] INSIDE HEIGHT
2.25 [.09]
98.67 [3.88] INSIDE LENGTH
.75 [.03] INLAY DEPTH
5.45 [.21]
35.00 [1.38]

96.25 [3.79]
28.00 [1.10]
95.37 [3.75]

1.50 [.06]
98.35 [3.87] INSIDE WIDTH
1.00 [.04]
17.50 [.69]

99.49 [3.92]
88.00 [3.46]
2.00 [.08]
5.00 [.20]
88.00 [3.46]
78.45 [3.09]
HAMMOND 1593W
5.94 [.23]
3.39 [.13]
16.92 [.67]
9.26 [.36]

INSIDE BOTTOM

71.12 [2.80]
2.30 [.09]
91.44 [3.60]
83.80 [3.30]
70.00 [2.76]
1.70 [.07]
1.20 [.05]
SLOTS FOR VERTICAL PCB

INSIDE TOP

Top PCB Dimensions

80.0mm [3.15in]
2.80in

Size1 PCB
(50 x 80mm)

50.0mm [1.97in]
1.60in

The PCB holes and
box mounting standoffs
are located on 0.1" centers

80.0mm [3.15in]
2.80in

Size2 PCB
(100 x 80mm)

100.0mm [3.94in]
3.60in

Plastic End
Panels
Included

Dimensions:
Inches or mm [inches] if indicated

2.80

Bottom PCB standoffs (12 places)
accept 4-40 0.25" machine screws
or #4 self-tapping screws

3.60
1.60
1.60
1.60

INSIDE BOTTOM

2.800

Top PCB standoffs (4 places)
accept 4-40 0.25" machine screws
or #4 self-tapping screws

3.600

Side Vertical PCB
(80 x 29.5mm, cut Size1 PCB)

Bottom corners
trimmed

Two Slots to Hold Vertical
Side PCBs (Optional)

INSIDE TOP

Compatible Size1 proto-boards include:
PAD1. PR2H1, ST1, SP1-NxN

Compatible Size2 proto-boards include:
BB2*, PAD2. PR2H2, ST2, SP2-NxN
* Mounting holes must be drilled for BB2.

BOX2 is designed to fit
BusBoard Size1 and Size2
prototyping PCBs.

The top holds one Size2 PCB.
The bottom holds one Size2 PCB,
or one or two Size1 PCBs.

Size2 PCB
(100 x 80mm)

INSIDE BOTTOM
With a Size2 PCB

Size1 PCB
(50 x 80mm)

Size1 PCB
(50 x 80mm)

INSIDE BOTTOM
With two Size1 PCBs

Size1 PCB
(50 x 80mm)

INSIDE BOTTOM
With a Size1 PCB (centered)

Size2 PCB
(100 x 80mm)

INSIDE TOP
With a Size2 PCB

Available Color Codes
GY=Grey
BK=Black
RT=Red Transparent
BT=Blue Transparent