

Materials for PIP Kit's Laser Cut Items

A: Camera Wrap

Wrap design

(Adobe Illustrator file available at

https://data.ncl.ac.uk/articles/Materials_for_PIP_Kit_s_Laser_Cut_Items/11637747/3)

First printed on A4 160gsm white paper, and then laser cut edges and scores applied to colour printed sheet

Photo of colour-printed and laser cut paper, pre-assembled version and wrapped Vibe HD 1080 Action camera

Credits:

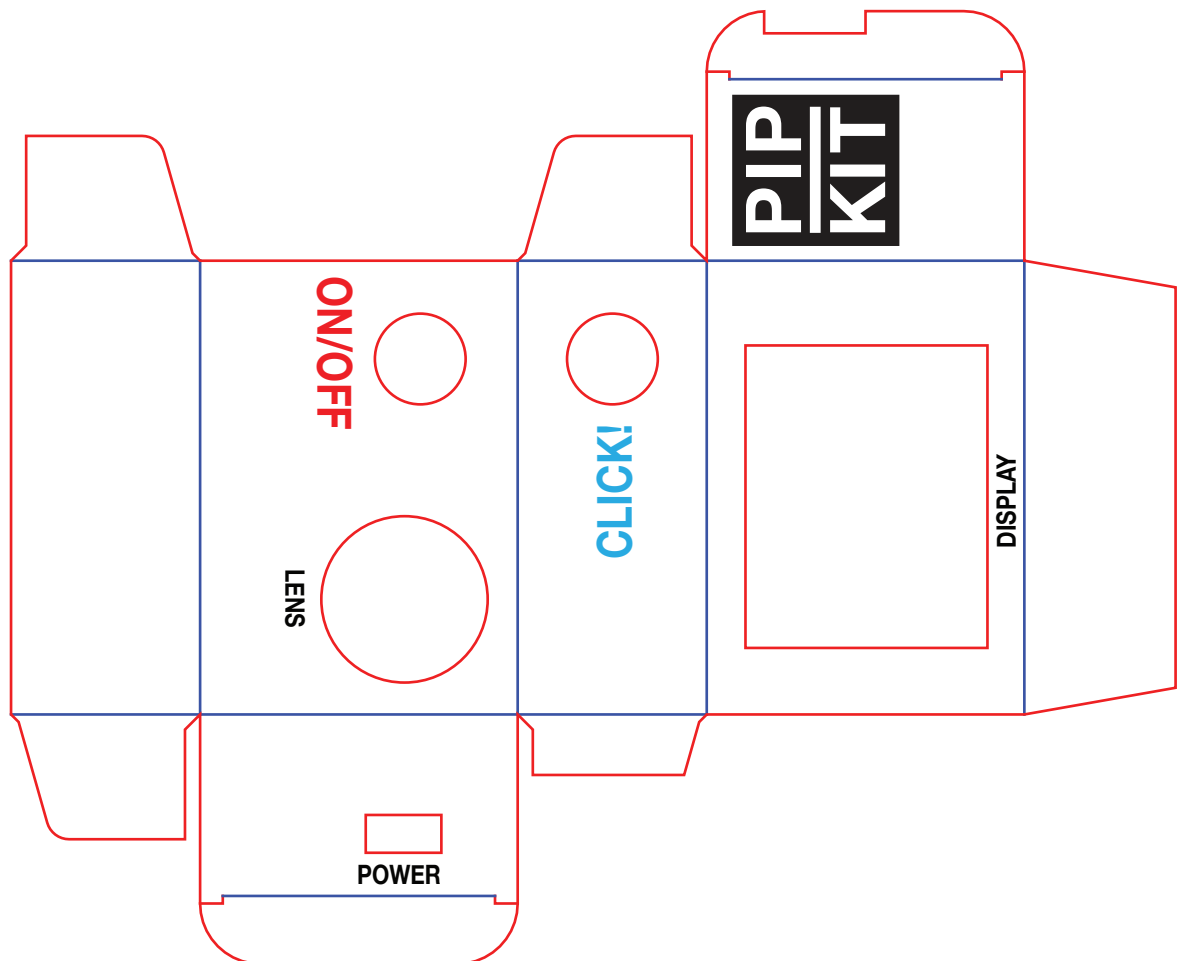
Basic card box design generated on Ideogram's template maker

<https://www.template maker.nl/en/cardbox/> using the settings:

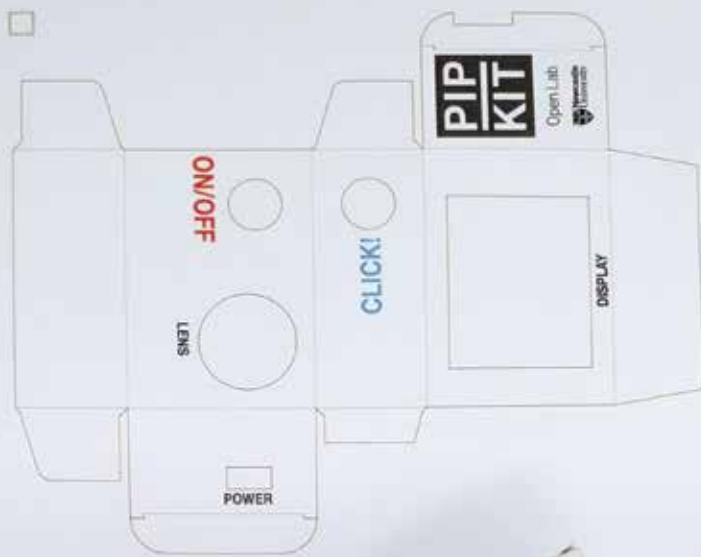
Length	42mm
Width	25mm
Height	60mm
Thumb hole diameter	0mm
Tuck flap size	8mm
Glue flap size	20mm
Glue tab angle	80mm
Material thickness	1mm
Rounded corner radius	3mm
Margin	20mm
Paper size	A4

Templatemaker has very generously offered to permit publication of the card wrap design file (URL above) for the sole use of being used in PIP Kit materials. Templatemaker files and derived files cannot usually be published online.

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Materials for PIP Kit's Laser Cut Items

B: PIP Kit Enclosure

Box design

(available at <https://www.thingiverse.com/thing:4093396>)

Foam inserts

(15 and 30mm pick and pluck, 5mm neoprene)

Photos of elastic cord attachment and foam placement

Credits:

Box design largely based on 'Flex Box - A wooden box with a living hinge' by 4volt <https://www.thingiverse.com/thing:12930> which itself was a remix of 'Folding Wood Booklet' by SNIJLAB <https://www.thingiverse.com/thing:12707>

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15mm “Pick and Pluck” pre-cubed(12.5x12.5mm cubes) Foam

1 x 150mm x 137.5mm x 15mm



1 x 150mm x 12.5mm x 15mm



2 x 125mm x 12.5mm x 15mm



30mm “Pick and Pluck” pre-cubed (12.5x12.5mm cubes) Foam

1 x 75mm x 150mm x 30mm
with 50mm x 75mm void, 12.5mm from edges



Nibble a little foam away to make finger tab to match internal panel

5mm Neoprene rubber

1 x 125mm x 125mm x 5mm



1 x 50mm x 75mm x 5mm

