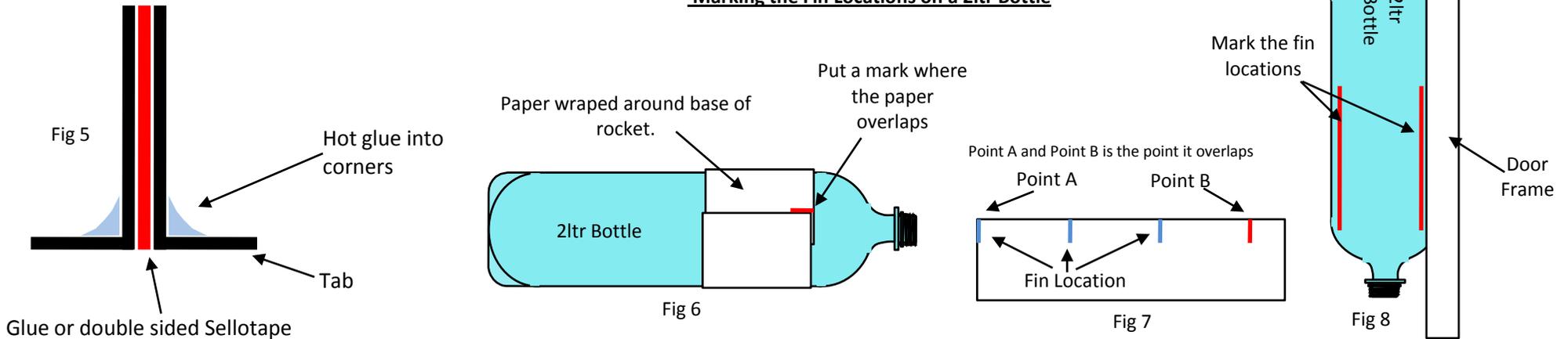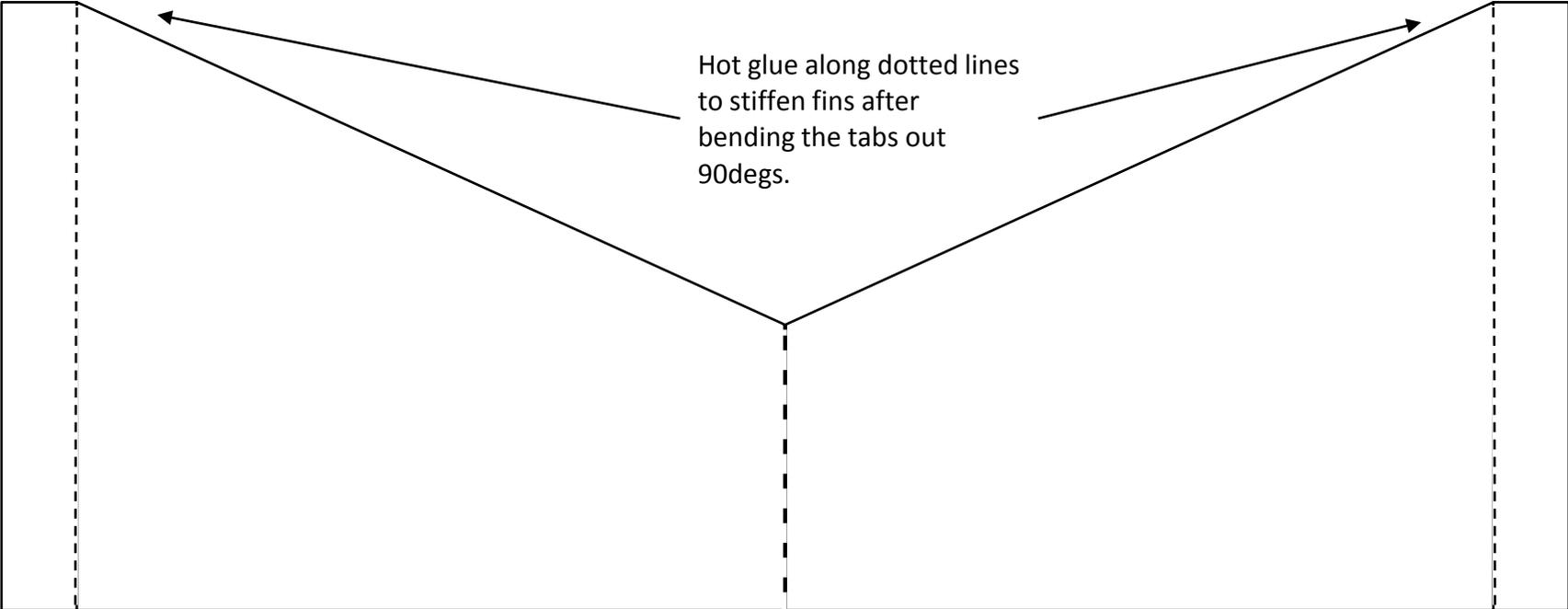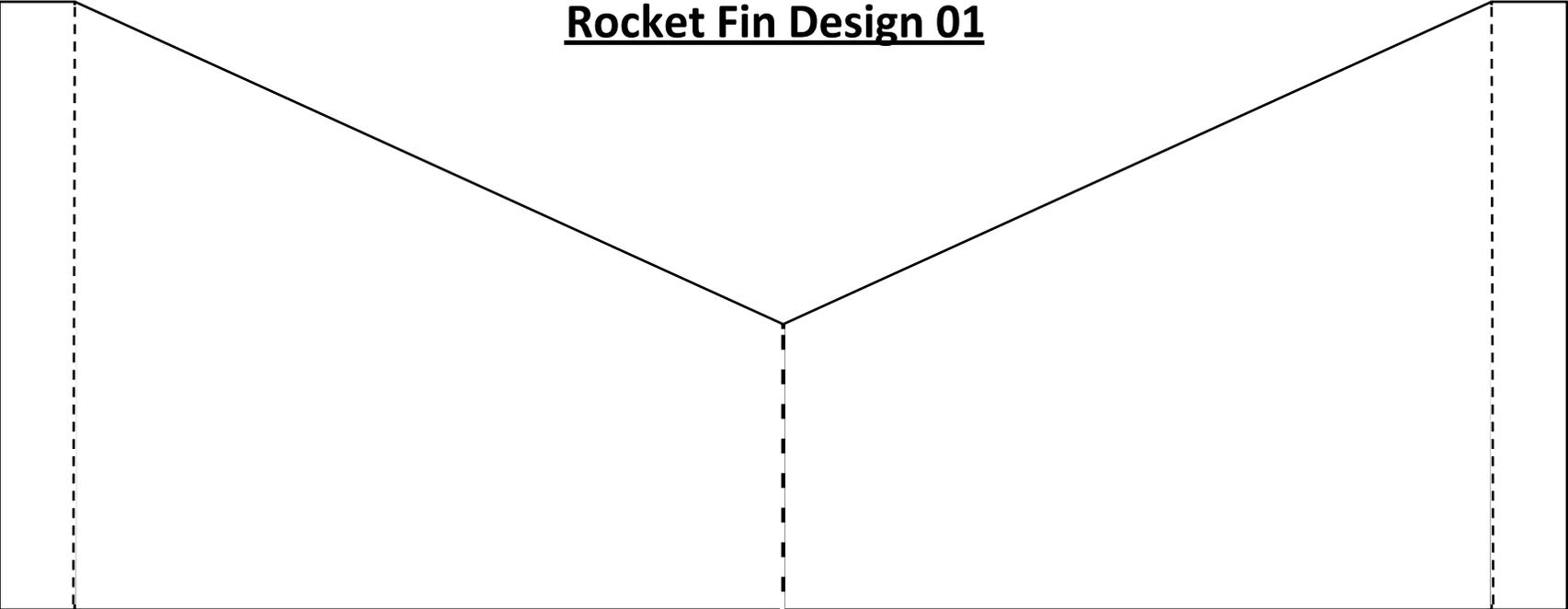# Rocket Fin Designs & Information

The fins are made out of cardboard from a cereal packet. The fin can be made from one or two pieces and then stuck or double sided sticky taped together. The two tabs are bent out along the dotted line after scoring with the back of a knife, these are used to tape the fin to the rocket. Make the fin water-proof by using package tape and fold over the edges, do the same on both sides. The fins are then hot glue guned in the corners of the tab and fin on each side, this gives the fin more support (fig 5). Finally the fins are taped to the rocket using sellotape on each tab and then around the rocket to stop the tape pealing off. They should arranged symmetrically around the rocket (every 120° if you have three fins or every 90° if you have four). Use some paper to help mark the correct location for the fins. (fig 6) Wrap the paper around the rocket base and mark where the paper overlaps (Fig 6),then divide the paper (Fig 7) into three (or four if making four fins for your rocket). Put the paper back round the base of the rocket and mark where the fins are to go. Take the paper off the rocket and put the marks up against a door frame (Fig 8) so that you get a straight line along the bottle (you don't want fins going in the wrong direction). Then put the fins where you have marked on the base of the rocket.

Marking the Fin Locations on a 2ltr Bottle

Fig 5

Hot glue into corners

Tab

Glue or double sided Sellotape

Paper wraped around base of rocket.

Put a mark where the paper overlaps

2ltr Bottle

Fig 6

Point A and Point B is the point it overlaps

Point A   Point B

Fin Location

Fig 7

2ltr Bottle

Mark the fin locations

Door Frame

Fig 8

Fin 1

Fin 2

Part 1 fin location band

Fin 3

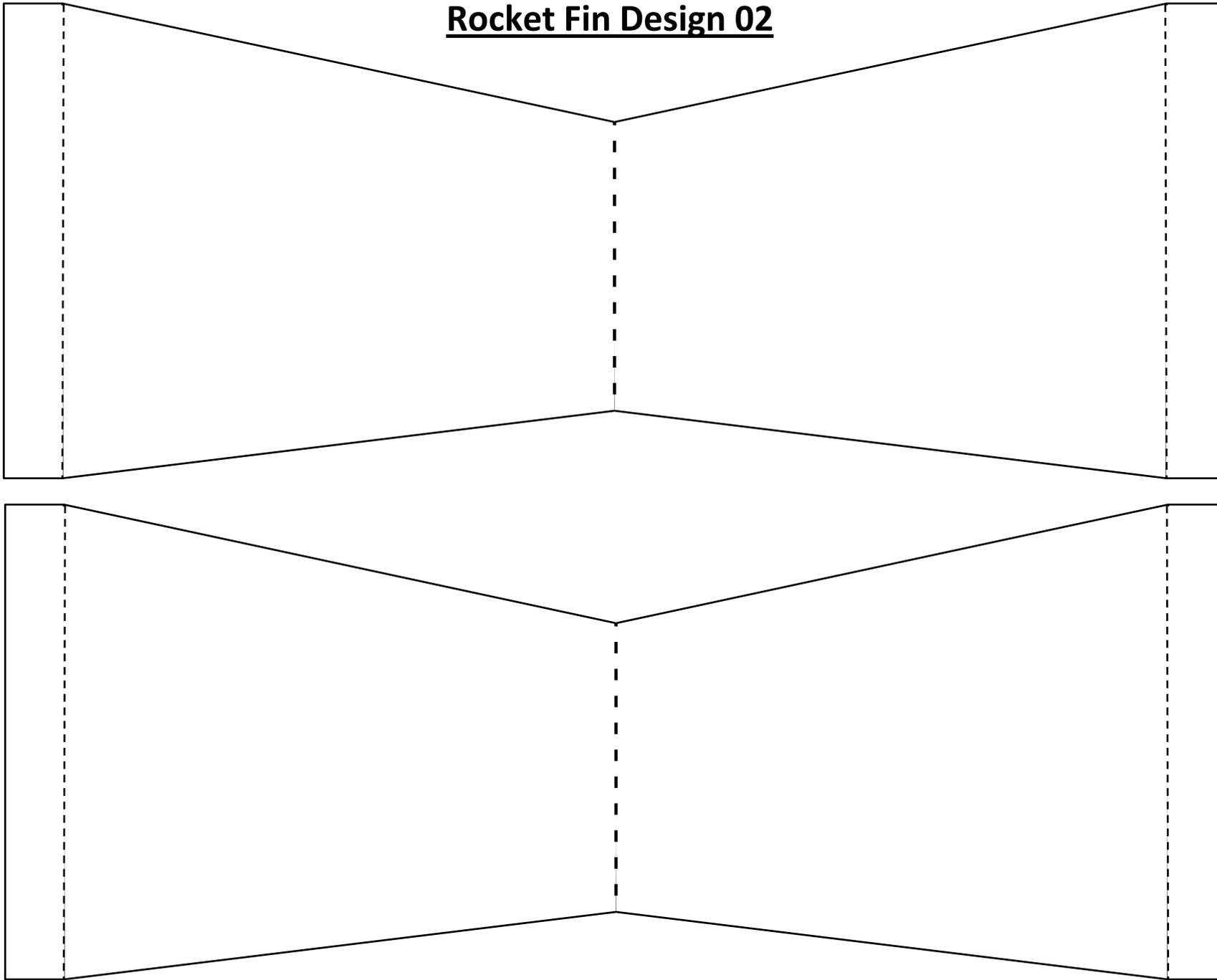Stick part 2 here (2 arrows) to make the fin location band

Rocket Fin Design 01

Hot glue along dotted lines to stiffen fins after bending the tabs out 90degs.
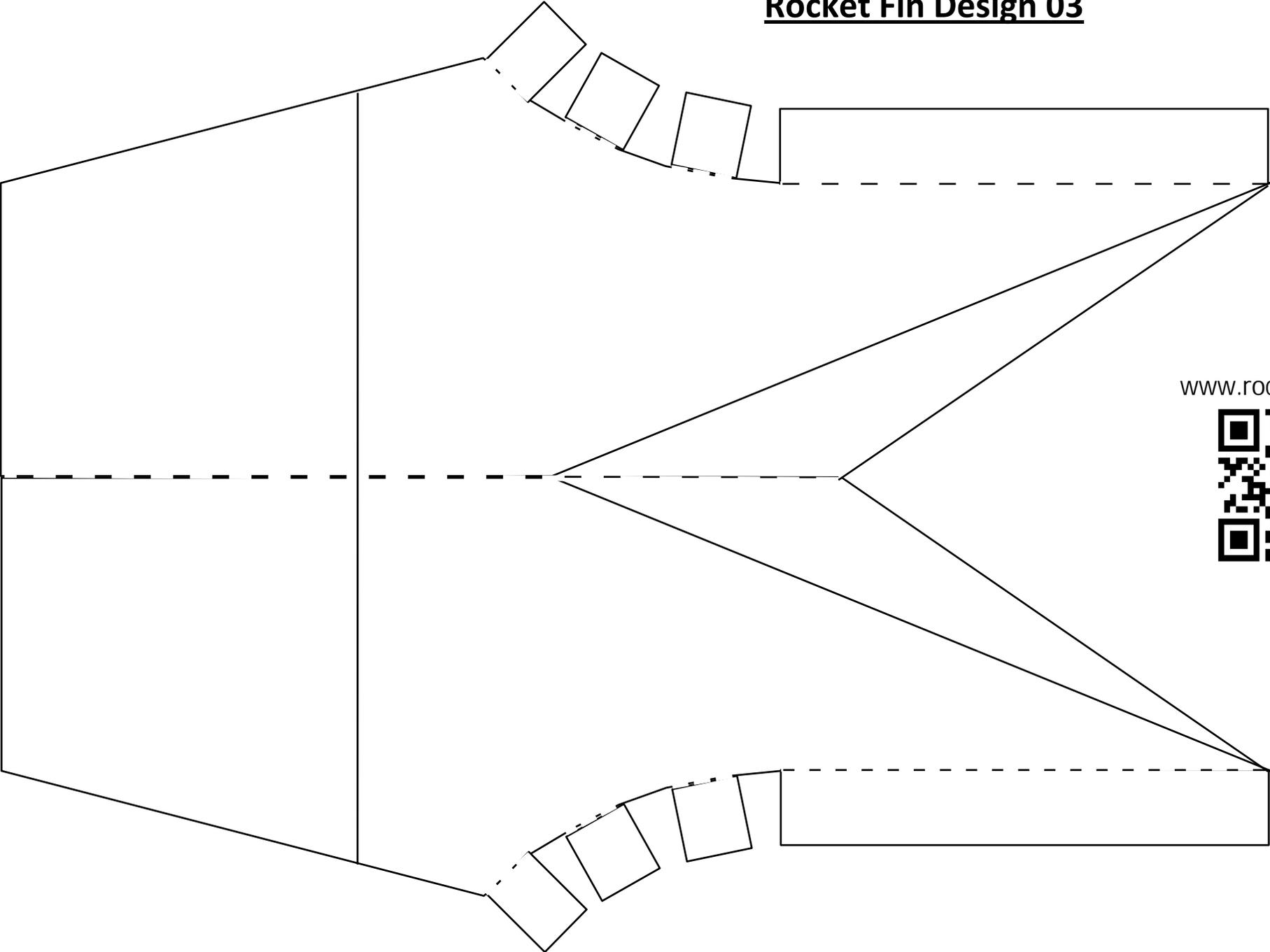
Part 2 fin location band

Fin 1

Rocket Fin Design 02

www.rocket-fun.com

Rocket Fin Design 03

www.rocket-fun.com

Rocket Fin Design 04

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