Measurements for RPI and basic parts:

Base:

Length = 11.25 cm

Width = 6.3 cm

Distance between boards = 2.3cm

Total distance from top end of top board to bottom end of bottom board = 5cm

Length of camera cord = 12.4 cm

Wheel diam = 3cm   
raidus = 1.5cm

Distance from holes to hole (length) on RPI (to board) = 5.8cm

Distance from edges to holes = 3.1 and 2 cm (2cm at front)

Distance from hole to hole (width) = 4.5cm