High frequency opto-receiver
suspended Bicore

0.01µF

0.01µF

Slaving resistors

4M3

4M3

Bicore DC filter

0.1µF

0.1µF

Motor driver
(L293 buffer)

Motor driver
(L293 buffer)

Reverse Bicore
stall inhibitor
(keeps BEAMant
alive when both
sensors activated)

100K

100K

L293D Motor
Driver Buffer

M

M

Motor driver
(L293 buffer)

Motor driver
(L293 buffer)

Reverse indicators

1K

1K

RIGHT side
tactile sensor

47K

30K

LEFT side
tactile sensor

22µF

22µF

Motor polarity changing circuit
(backup with timeout RC circuit)