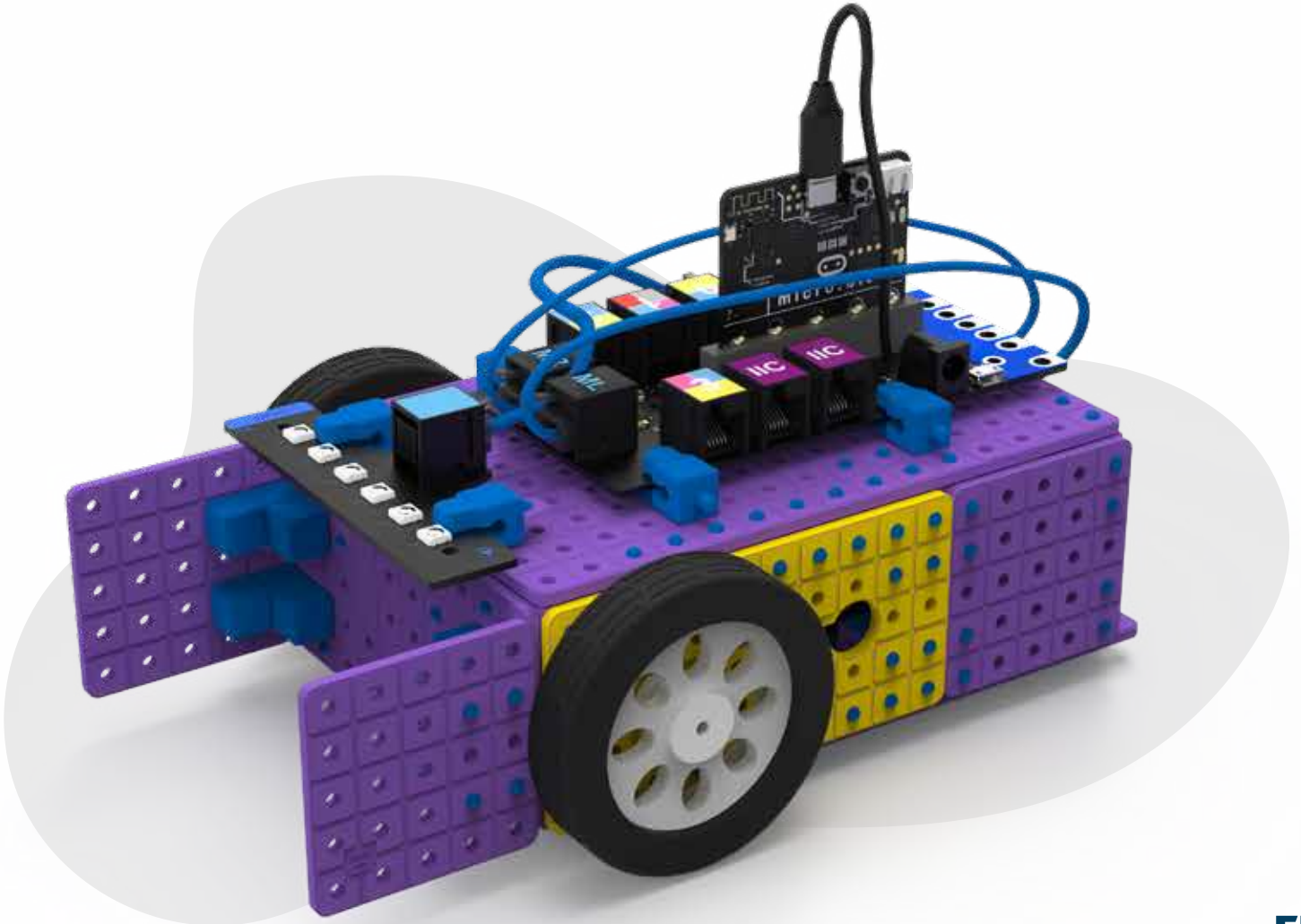
Assembly sequence:

SOCCER BOTS





START NOW →

FIFA Foundation

→ SOCCER BOTS

ASSEMBLY PIECES



(x1)
Controller Board



(x4)
Insert Boards



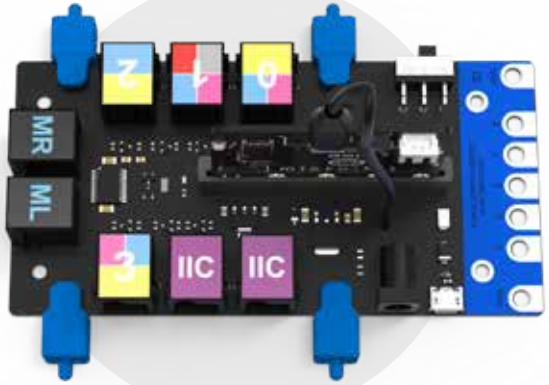
(x1)
MicroBit Board



1. Insert the microbit into the controller board.



2. Connect the USB cable from the controller board to the microbit.



3. Attach the Board Brackets to the controller board, two on each side to ensure a secure fit.

ASSEMBLY PIECES



(x1)
Controller Board



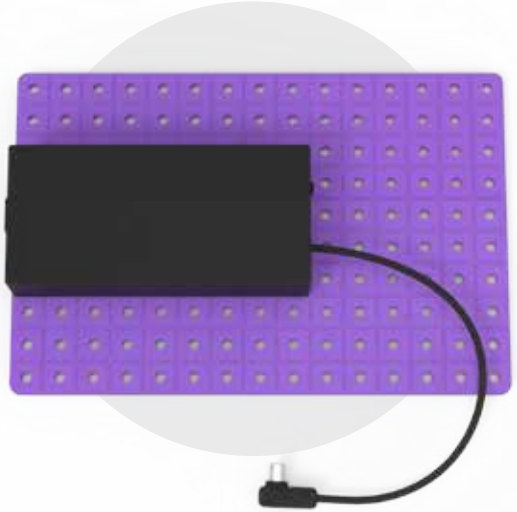
(x4)
Insert Boards



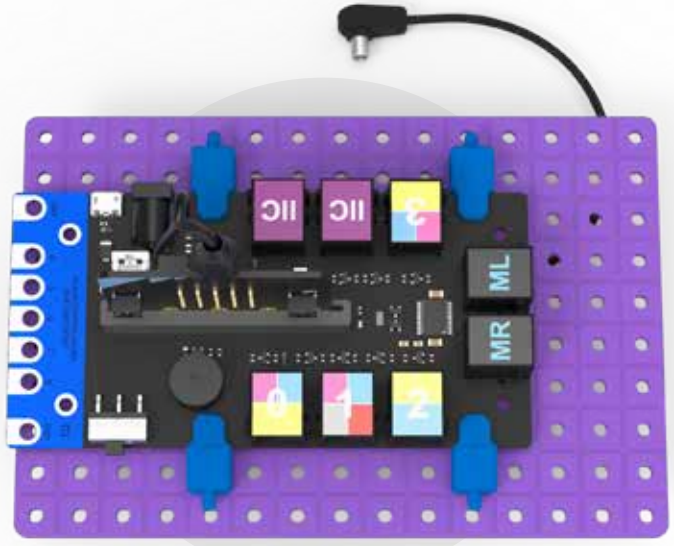
(x1)
Battery Holder



(x1)
Board No. 13



4. Insert the batteries into the P13 board (make sure theyare charged).



5. On the opposite side of the P13 board, attach the controller board.

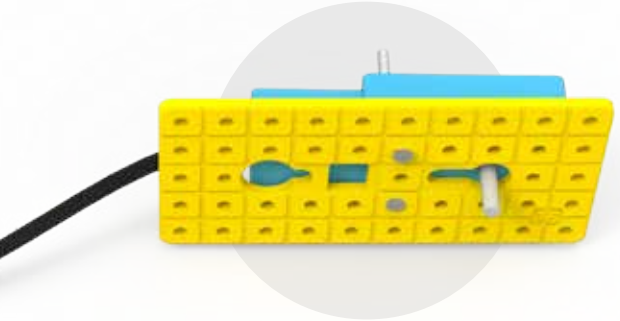
ASSEMBLY PIECES


(x1)
Board
No. 15

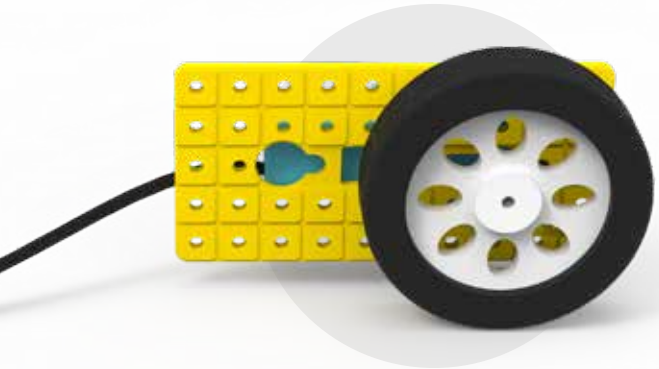

(x1)
Wheel


(x2)
Insert
at 90°L

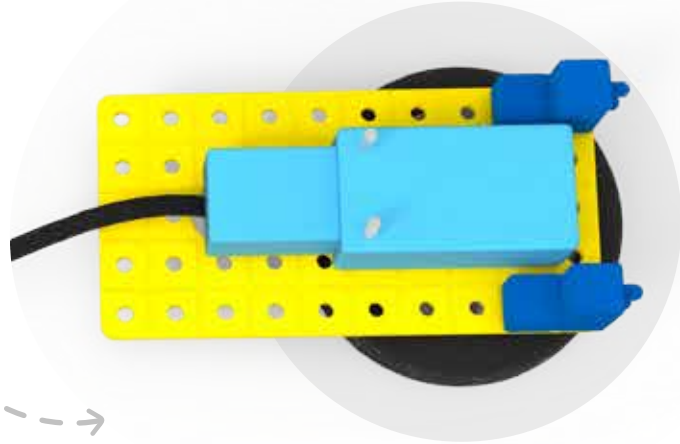

(x1)
Motor



6. Secure the motor to the P15 board with screws.



7. Attach the wheel to the motor.



8. Add two L-shaped Brackets to the tip of P15 board where the motor points, oriented towards the center.

ASSEMBLY PIECES

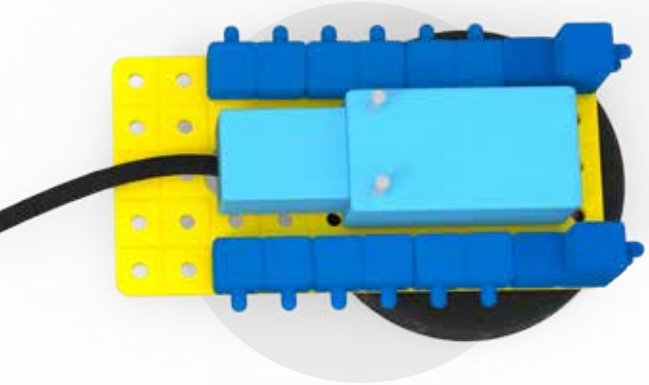

(x2)
Board
No. 15


(x2)
Wheel

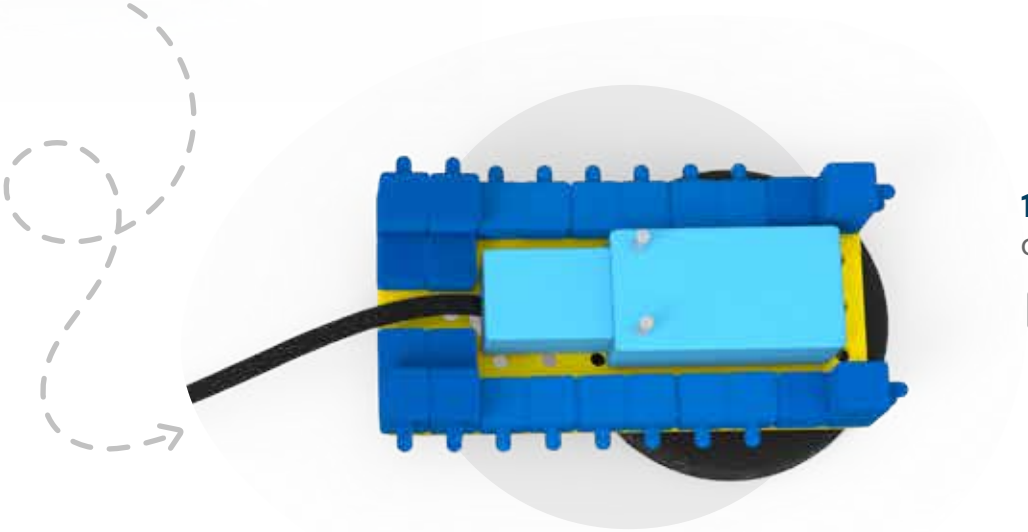

(x12)
Insert
at 90°L


(x2)
Motor


(x12)
Insert
at 90°L



9. Add three 90° Brackets to both sides of P15 board.



10. Add four L-shaped Brackets to P15 board, oriented so they point towards each other.

11. Repeat the previous assembly, creatinga second identical unit.

ASSEMBLY PIECES


(x1) Controller Board


(x2) Wheel


(x1) Insert Boards


(x2) Board No. 15


(x1) Battery Holder

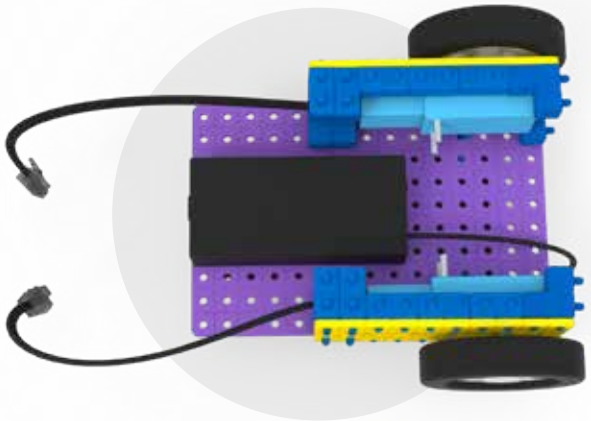

(x2) Motor


(x20) Insert at 90°L

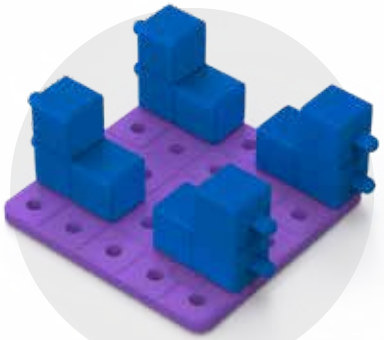

(x1) Board No. 13


(x12) Insert at 90°L


(x2) Board No. 10



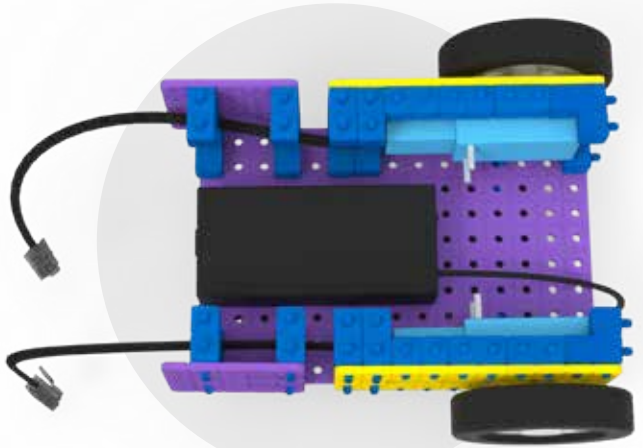
12. Attach both assemblies to the ends of P13 board, positioning the wheels away from the controller board.



13. Attach four L-shaped Brackets to P10 board, positioning them in pairs facing each other and one block away from the left edge.

14. Create an identical assembly.

15. Attach both assemblies to the ends of P13 board, ensuring that both P10 boards point outward.



ASSEMBLY PIECES


(x1) Controller Board


(x2) Wheel


(x1) Insert Boards


(x2) Board No. 15


(x1) Battery Holder

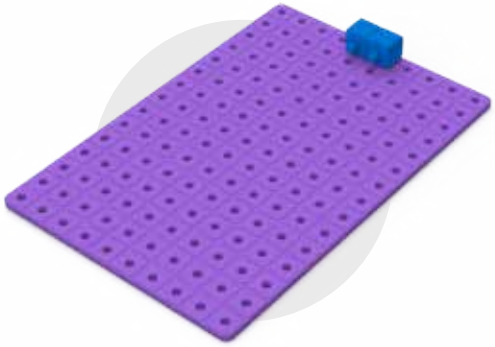

(x2) Motor


(x20) Insert at 90°L

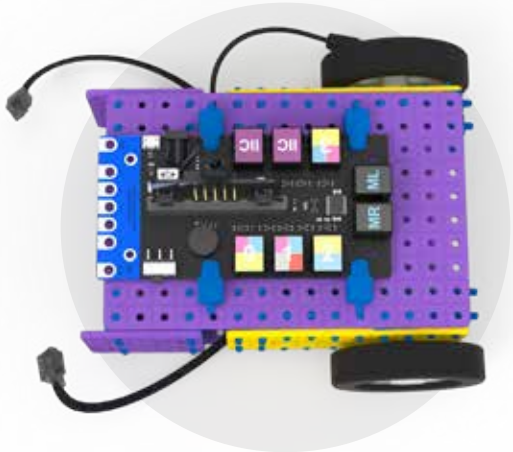

(x2) Board No. 13


(x13) Insert at 90°L

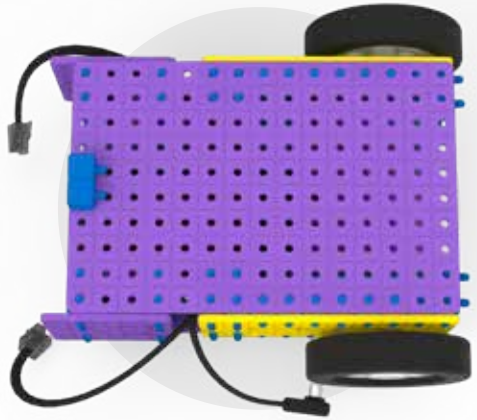

(x2) Board No. 10



16. Attach a L-shaped Bracket to the center of the end of one P13 board.



17. Before proceeding, pass all cables through the gaps between P10 and P15 boards.



18. Attach P13 board to the car assembly, ensuring the 90° Bracket is visible from the outside.

ASSEMBLY PIECES


(x1) Controller Board


(x2) Wheel


(x1) Insert Boards


(x2) Board No. 15


(x1) Battery Holder


(x2) Motor

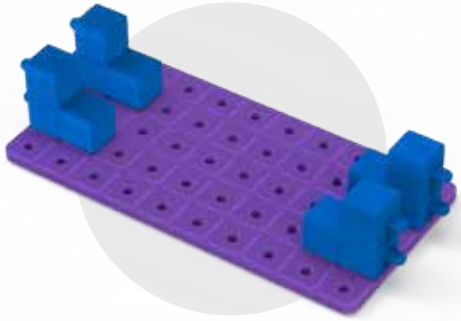

(x24) Insert at 90°L


(x2) Board No. 13

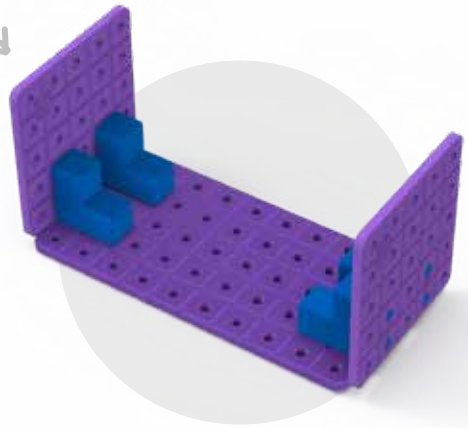

(x13) Insert at 90°L


(x1) Board No. 11


(x4) Board No. 10



21. Attach four L-shaped Brackets to the sides of P11 board, positioning them so that two pairs face each other with the L-shaped Brackets furthest apart, and leaving a one-block gap between the top and bottom sides.



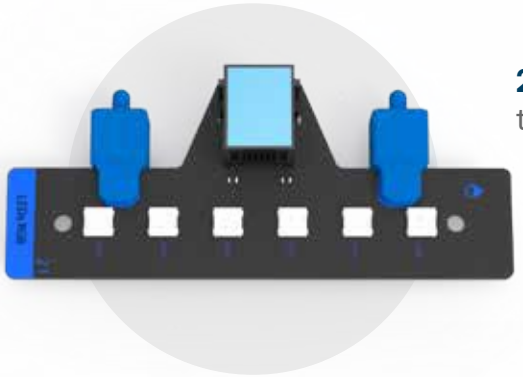
20. Add a P10 board to both pairs of L-shaped Brackets.



21. Attach P11 board to the assembly.

ASSEMBLY PIECES

(x1) Controller Board	(x2) Wheel	(x1) Insert Boards	(x2) Board No. 15
(x1) Battery Holder	(x2) Motor	(x24) Insert at 90°L	(x2) Board No. 13
(x1) RGB LEDs	(x13) Insert at 90°L	(x1) Board No. 11	(x4) Board No. 10



22. Add two Board Brackets to the RGB LED module.



23. Attach the RGB LED module to the P13 board.

ASSEMBLY PIECES


(x1) Controller Board


(x2) Wheel


(x1) Insert Boards


(x2) Board No. 15


(x1) Battery Holder


(x2) Motor


(x24) Insert at 90°L

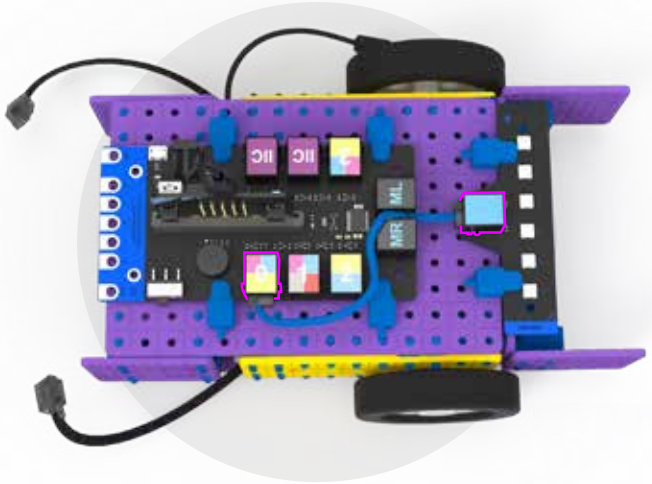

(x2) Board No. 13


(x1) RGB LEDs

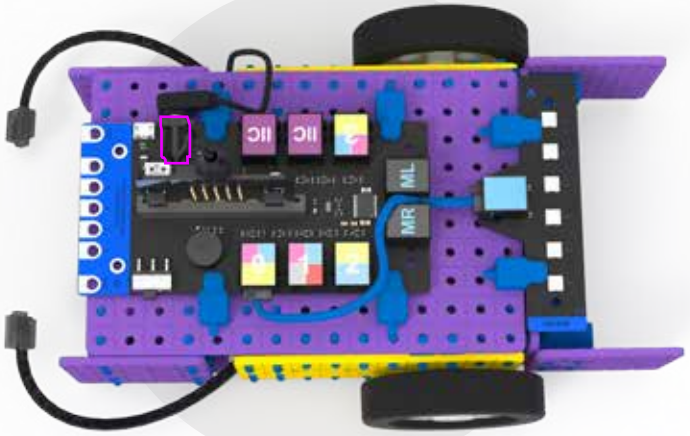

(x13) Insert at 90°L


(x1) Board No. 11


(x4) Board No. 10



24. Connect the RGB LED module to port 0 on the controller board.



25. Connect the battery to the controller board via the “power in” port.

ASSEMBLY PIECES


(x1) Controller Board


(x2) Wheel


(x1) Insert Boards


(x2) Board No. 15


(x1) Battery Holder


(x2) Motor


(x24) Insert at 90°L

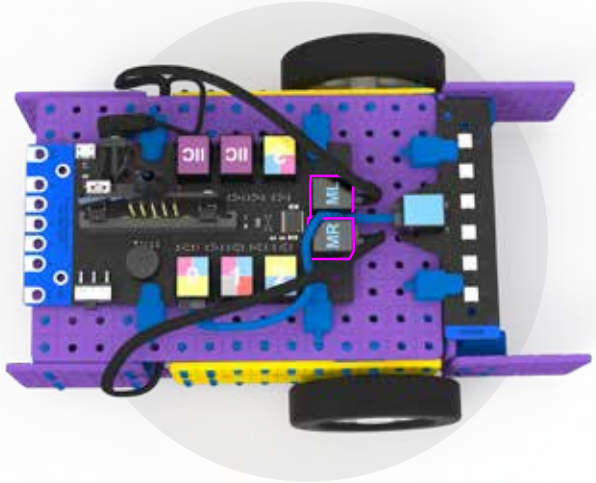

(x2) Board No. 13


(x1) RGB LEDs

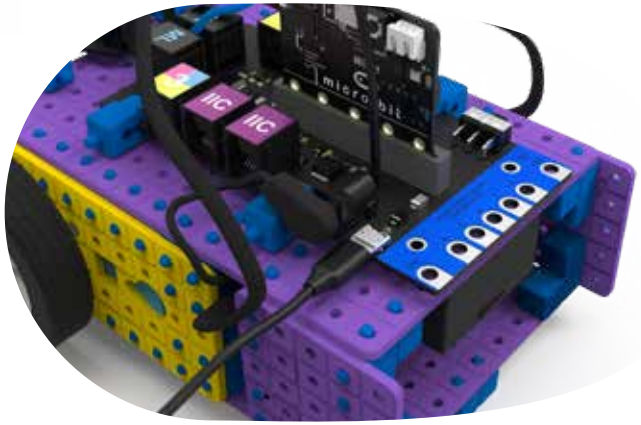

(x13) Insert at 90°L


(x1) Board No. 11


(x4) Board No. 10



26. Connect both motors to the “L-MOTOR” and “R-MOTOR” ports on the controller board.



27. Connect the USB-C cable to the controller board.

¡AND IT'S READY TO BE PROGRAMMED!

››››››››››