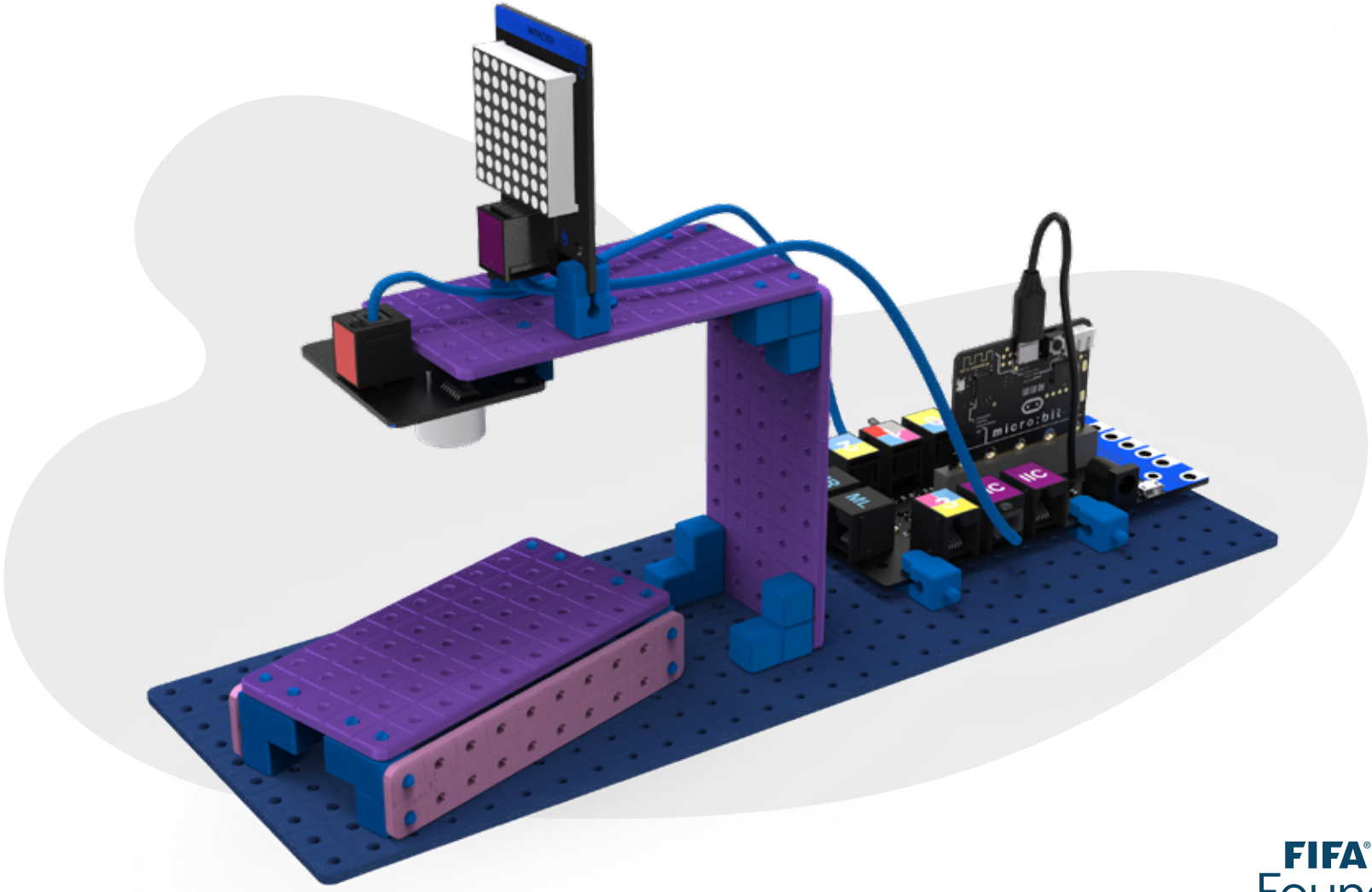
Assembly sequence:

SMART PARKING



START NOW →

FIFA Foundation

→ SMART PARKING

ASSEMBLY PIECES



(x1)
Controller Board



(x1)
MicroBit Board



1. Insert the micro board into the controller board.



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

ASSEMBLY PIECES



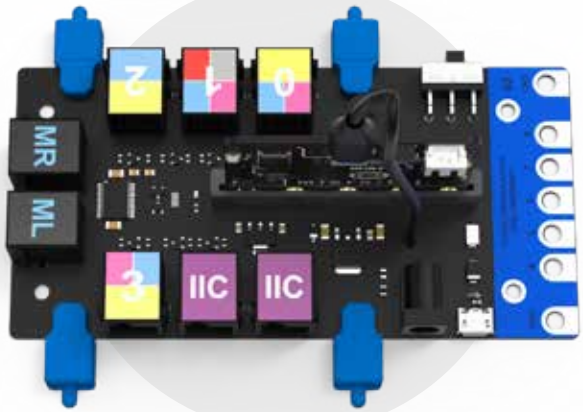
(x1)
Controller Board



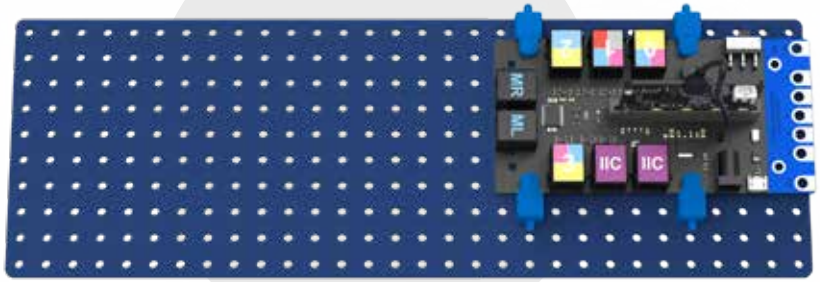
(x4)
Insert Boards



(x1)
Board No. 14



3. Insert the board brackets into the controller. There should be 2 on each side to ensure a secure fit.



4. Join the controller board with P13 board.

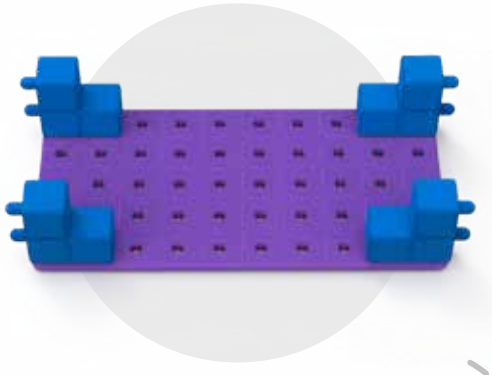
ASSEMBLY PIECES



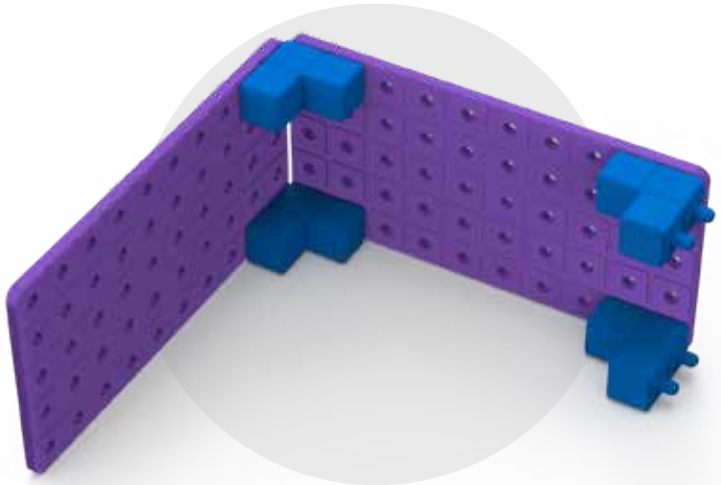
(x4)
Insert
at 90°L



(x2)
Board
No. 11



5. Insert 4 L-Shaped Brackets into the ends of a P11 board, so that they point towards the center of the part.

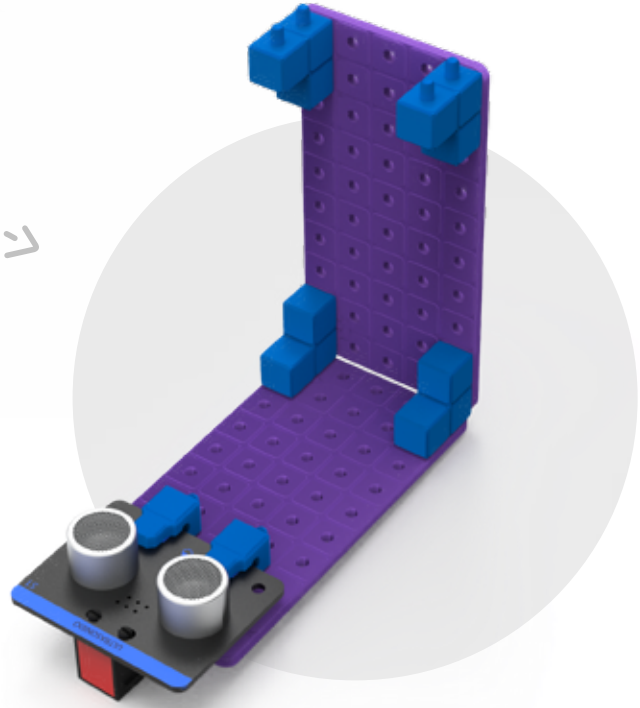


6. Add a P11 board to two of the L-Shaped Brackets, forming an "L" assembly.



7. Insert board brackets into the ultrasonic sensor module. There should be 2 on the same side.

8. Attach the ultrasonic sensor module to the end of the P11 board assembly, ensuring it faces downwards.



ASSEMBLY PIECES



(x1)
Ultrasonic Sensor



(x2)
Insert Boards



(x4)
Insert at 90°L



(x2)
Board No. 11

ASSEMBLY PIECES


(x1) Ultrasonic Sensor

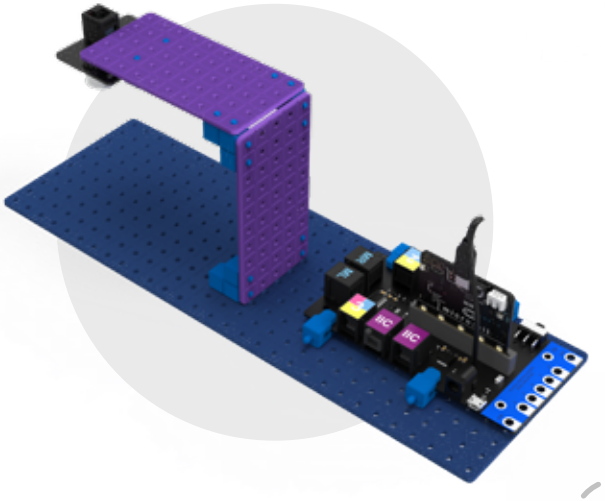

(x1) Controller Board


(x6) Insert Boards

(x2) Board No. 11

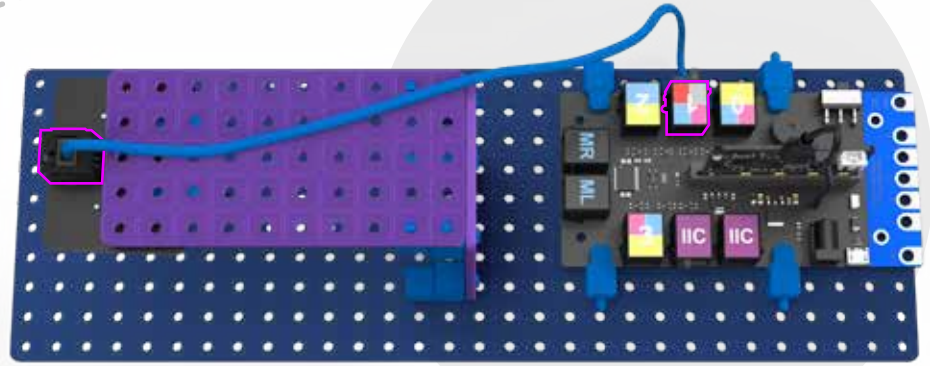

(x4) Insert at 90°L


(x1) Board No. 14



9. Insert the assembly into P14 board

10. Connect the ultrasonic sensor module to port 1 of the controller board.



ASSEMBLY PIECES


(x1) Ultrasonic Sensor


(x1) LED Matrix

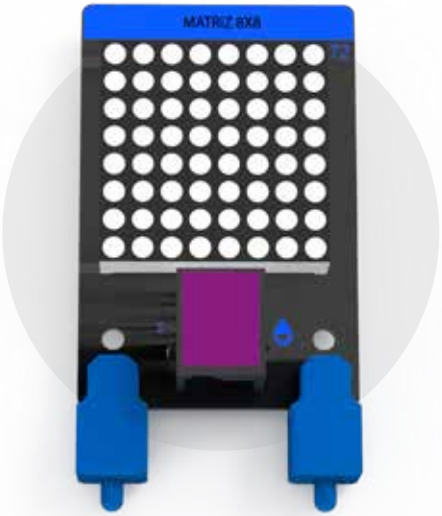

(x1) Control Board


(x6) Insert Boards

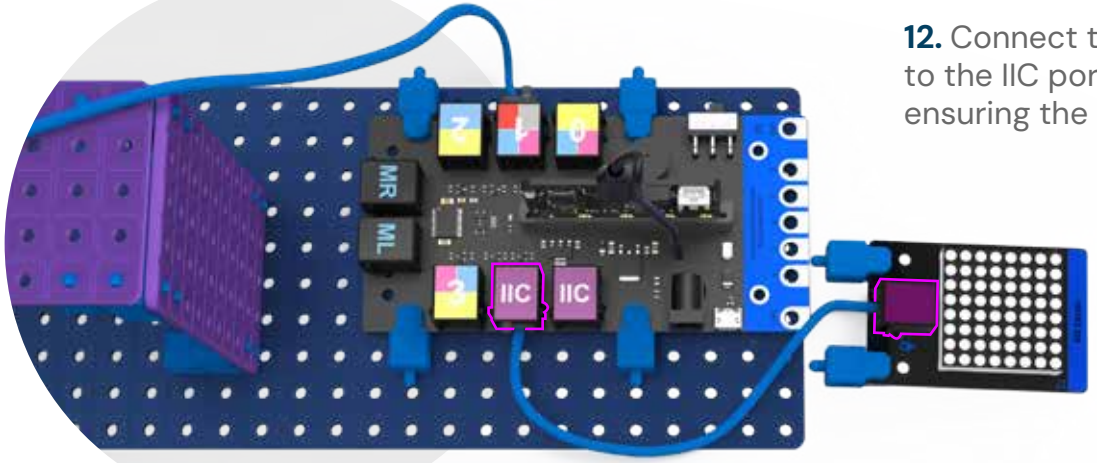

(x2) Board No. 11


(x4) Insert at 90°L


(x1) Board No. 14

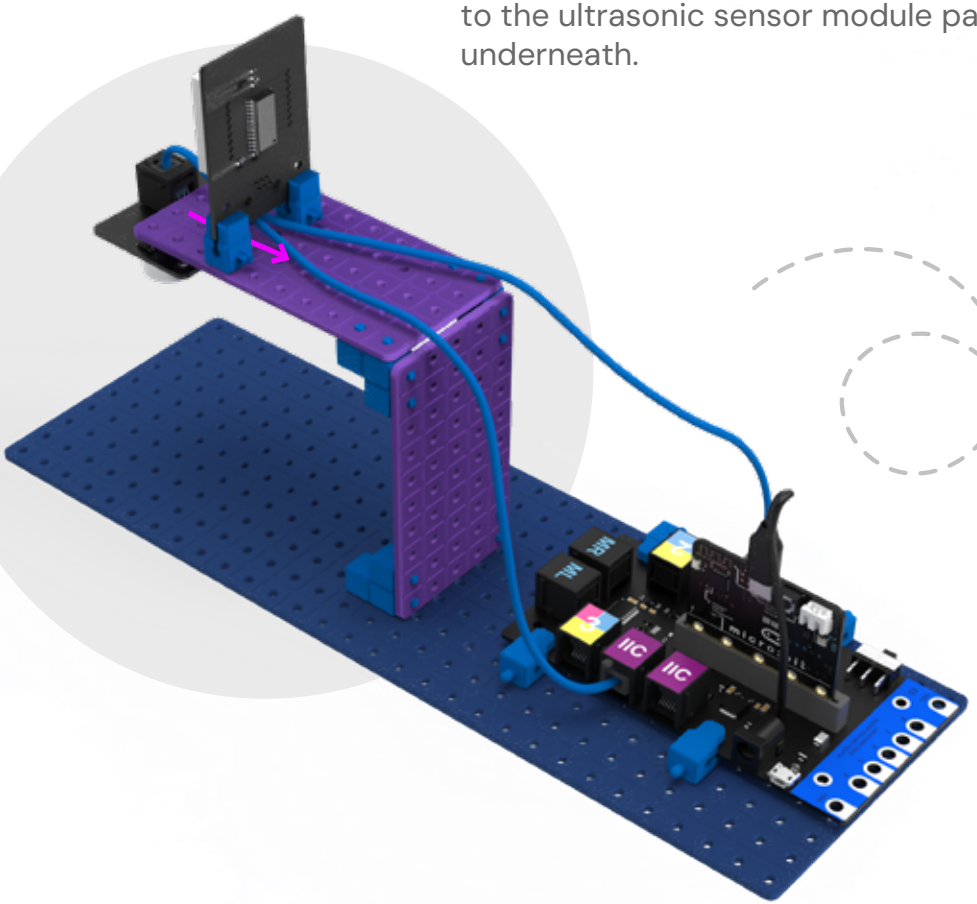


11. Insert board brackets into the 8x8 matrix display module. There should be 2 on the same side.



12. Connect the 8x8 matrix display module to the IIC port of the controller board via cable, ensuring the cable is long enough.

13. Insert the 8x8 matrix display module onto the top of the P11 board assembly, ensuring that the cable connected to the ultrasonic sensor module passes underneath.



ASSEMBLY PIECES



(x1) Ultrasonic Sensor



(x1) LED Matrix



(x1) Controller Board



(x6) Insert Boards



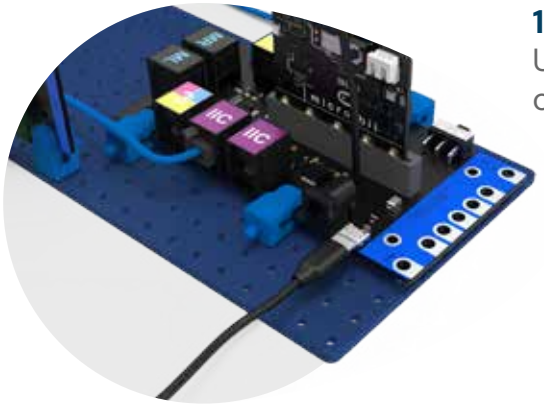
(x2) Board No. 11



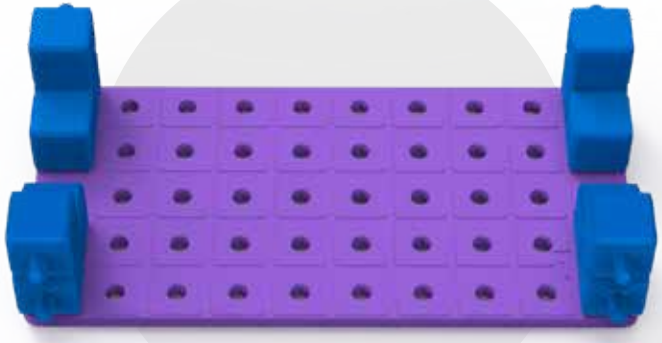
(x4) Insert at 90°L



(x1) Board No. 14



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



15. Apply 3 L-Shaped Brackets to a new part P11 board, so that they face each other.

ASSEMBLY PIECES



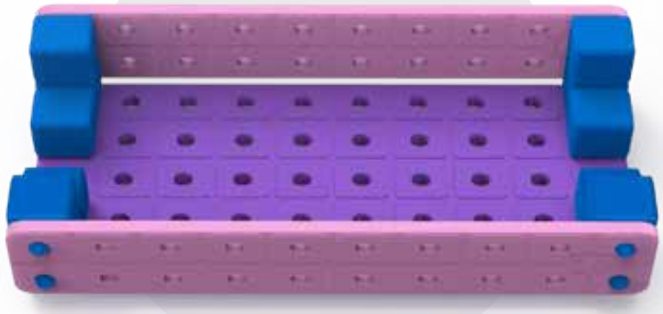
(x4)
Insert
at 90ºL



(x1)
Board
No. 11



(x2)
Board
No. 9



16. Add two P09 board to the new assembly, one on each side.

¡AND IT'S READY TO BE PROGRAMMED!