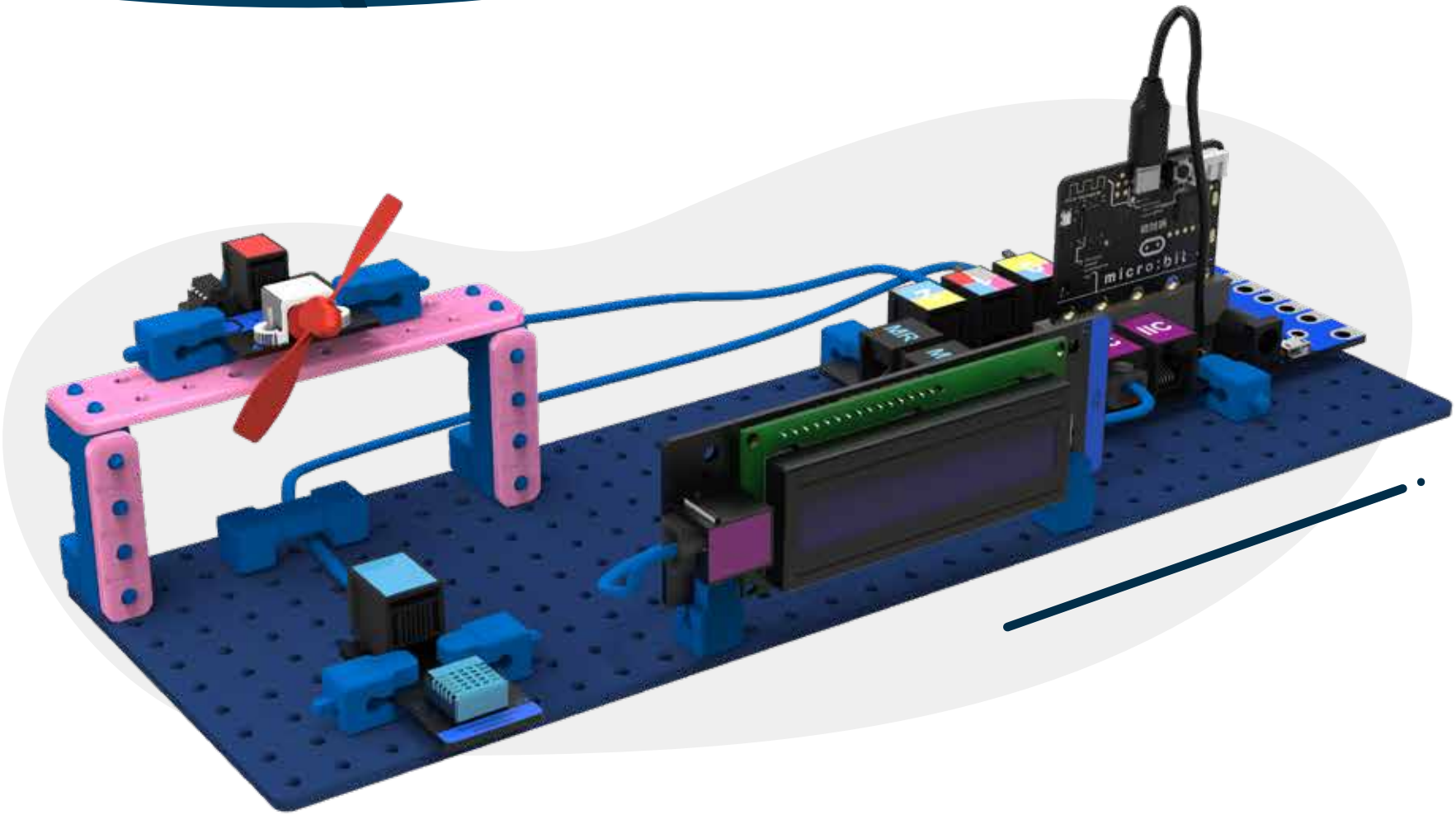
Assembly sequence:

WEATHER STATION





START NOW →

FIFA Foundation

→ WHEATHER STATION

ASSEMBLY PIECES



(x1)
Controller Board



(x1)
MicroBit Board



1. Insert the microbit board to the controller board.



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

ASSEMBLY PIECES



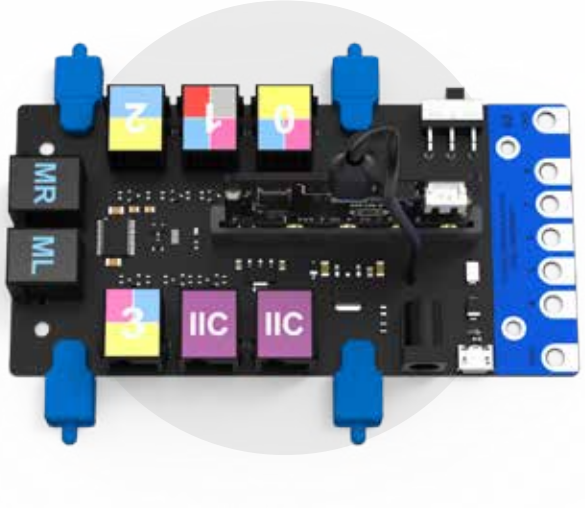
(x1)
Controller
Board



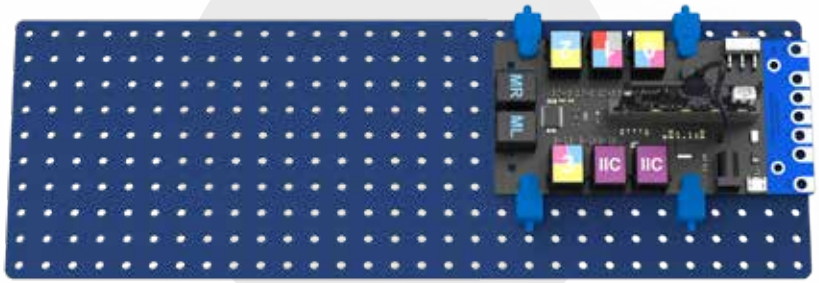
(x4)
Insert
Boards



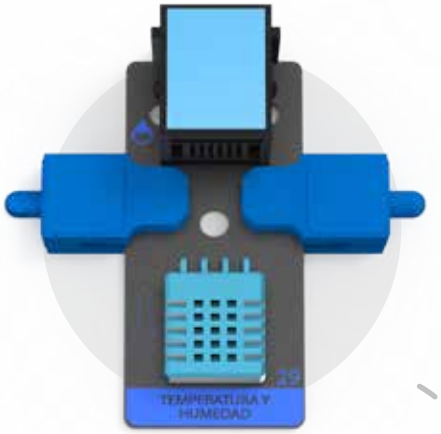
(x1)
Board
No. 14



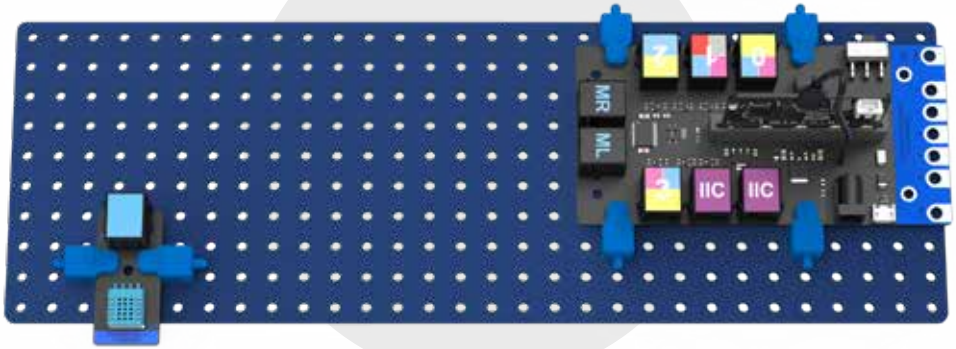
3. Insert the board bracket into the controller. There should be 2 on each side to ensure a secure fit.



4. Join the controller board with P14 board.



5. Insert a board support on each side of the temperature and humidity sensor module.



6. Join the temperature and humidity sensor module with P14 board.

ASSEMBLY PIECES



(x1)
Controller Board



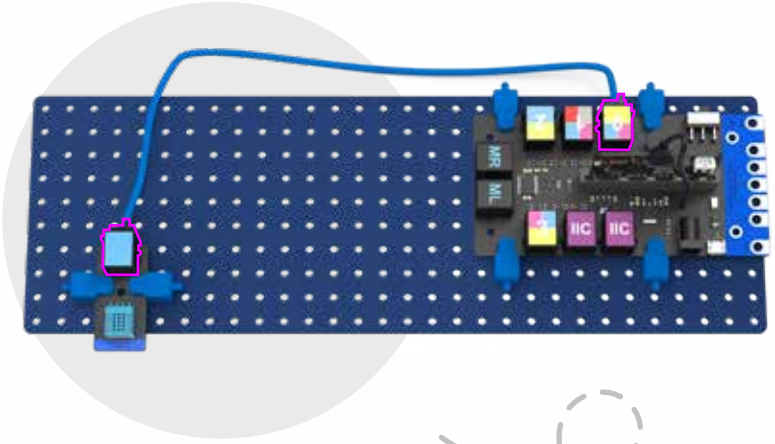
(x6)
Insert Bracket



(x1)
Board No. 14

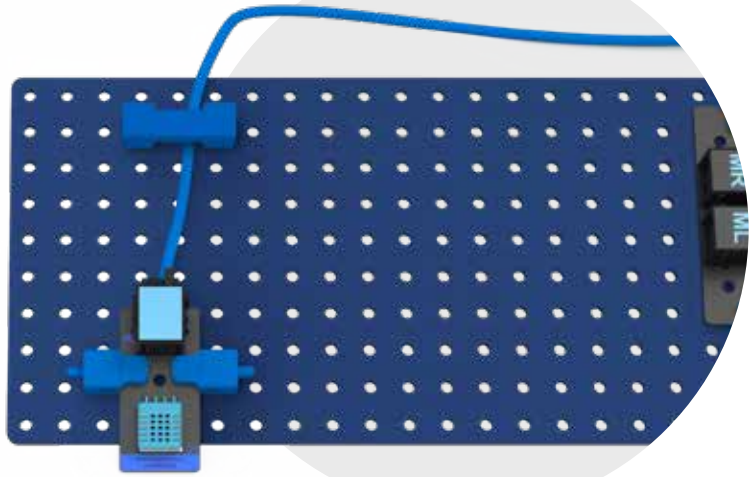


(x1)
Temperature and Humidity Sensor



7. Connect the sensor module to port 0 of the controller board via cable.

8. Insert a servo support that holds the cable into P14 board, placing it just behind the temperature and humidity sensor module.



ASSEMBLY PIECES



(x1)
Controller Board



(x4)
Insert Boards



(x1)
Board No. 14



(x1)
Servo Insert

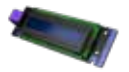


(x1)
Temperature and Humidity Sensor

ASSEMBLY PIECES



(x1) Controller Board



(x1) LCD Display



(x8) Insert Boards



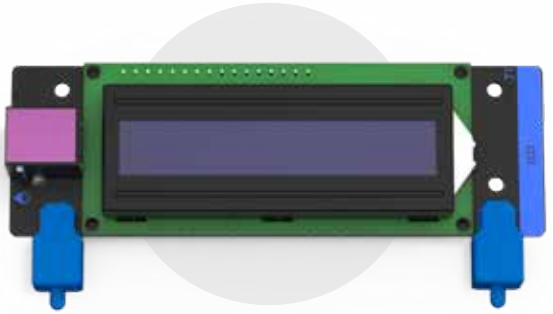
(x1) Servo Insert



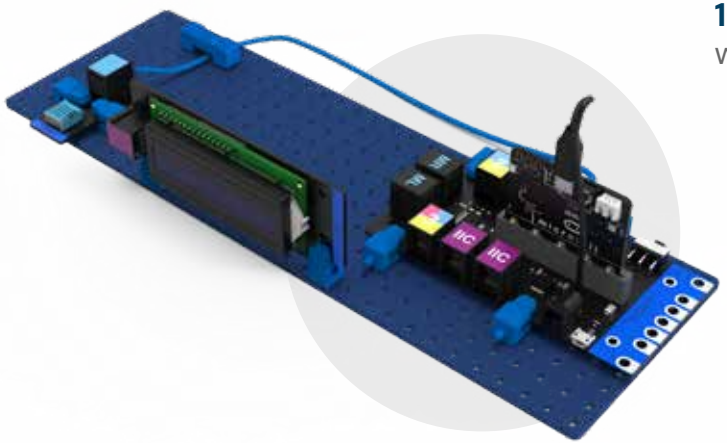
(x1) Board No. 14



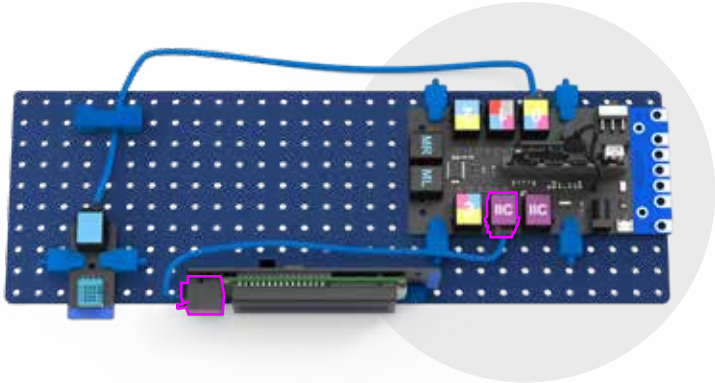
(x1) Temperature and Humidity Sensor



9. Insert board supports into the LCD display. There should be 2 on the same side to ensure a secure fit.



10. Join the LCD display with P14 board.



11. Connect the LCD display to the IIC port of the controller board via cable.

ASSEMBLY PIECES



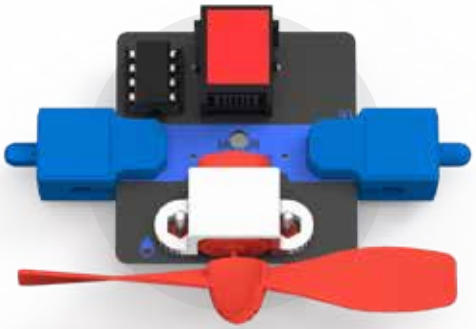
(x1)
Fan
motor



(x2)
Insert
Boards

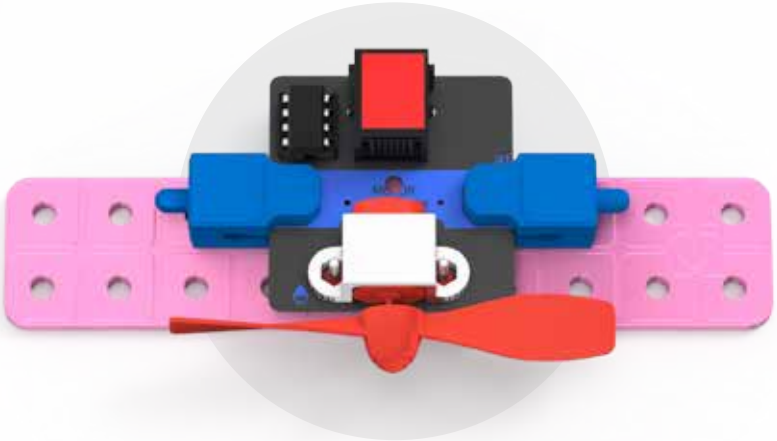


(x1)
Board
No. 9



Here we start with the assembly of part B

12. Insert a board support on each side of the Fan motor module.



13. Insert P07 board into the Fan motor module.

ASSEMBLY PIECES



(x1)
Fan
motor



(x1)
Insert
at 90ºL



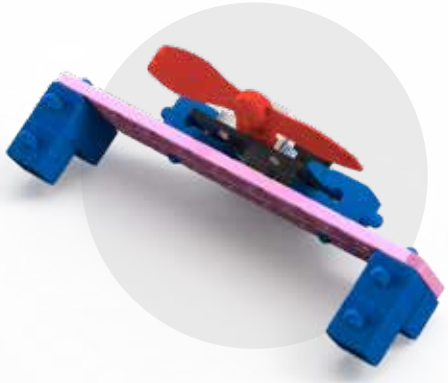
(x2)
Insert
Boards



(x1)
Board
No. 3



(x1)
Board
No. 9



14. Insert 2 L-shaped Bracket parts into both ends of the Fan motor module, so that they face the same direction.

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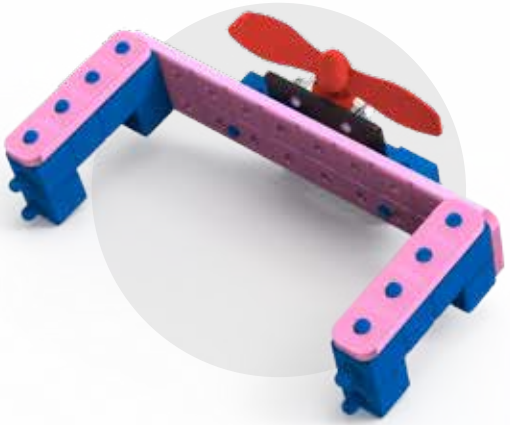
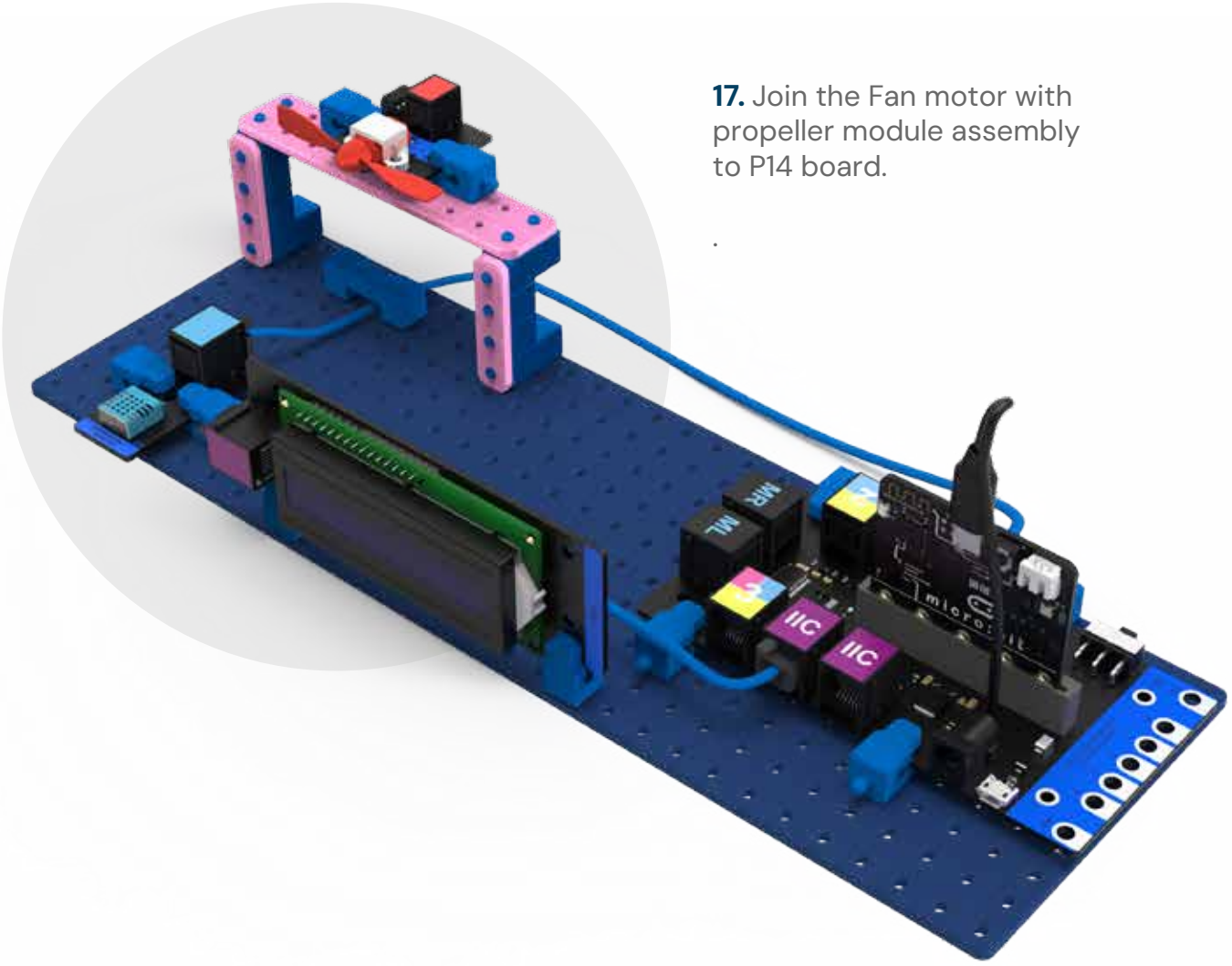
15. Insert 2 P03 parts into both L-shaped 90 Bracket parts, so that they face the same direction.



16. Add 2 more L-shaped bracket partsto the P03 parts, so that they face downwards.



17. Join the Fan motor with propeller module assembly to P14 board.

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ASSEMBLY PIECES


(x10) Insert Boards


(x1) LCD Display


(x4) Insert at 90°L


(x1) Controller Board


(x1) Servo Insert

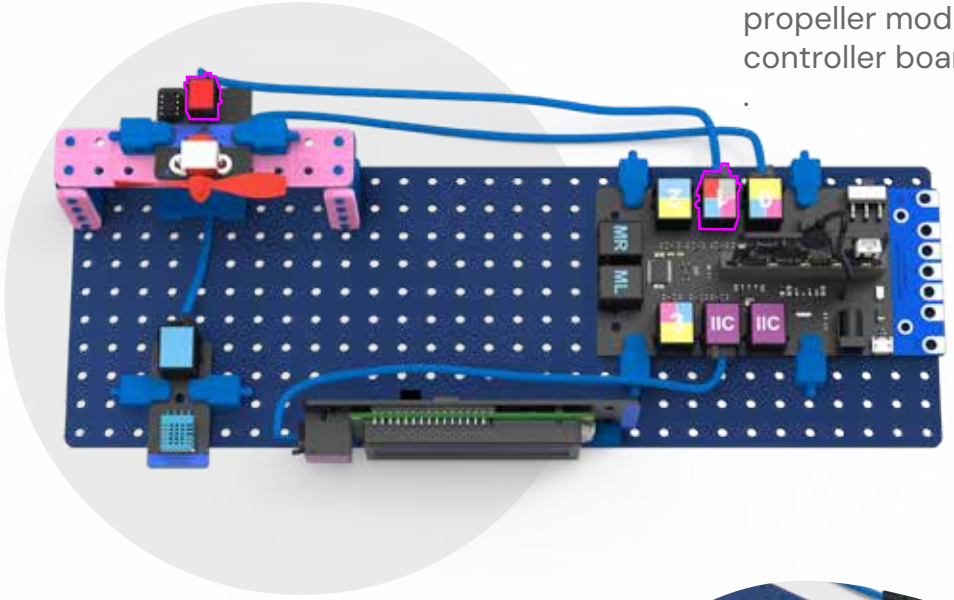

(x1) Fan motor


(x1) Board No. 14


(x1) Temperature and Humidity Sensor


(x2) Board No. 3


(x1) Board No. 9



18. Connect the motor with the propeller module to port 1 of the controller board via cable.

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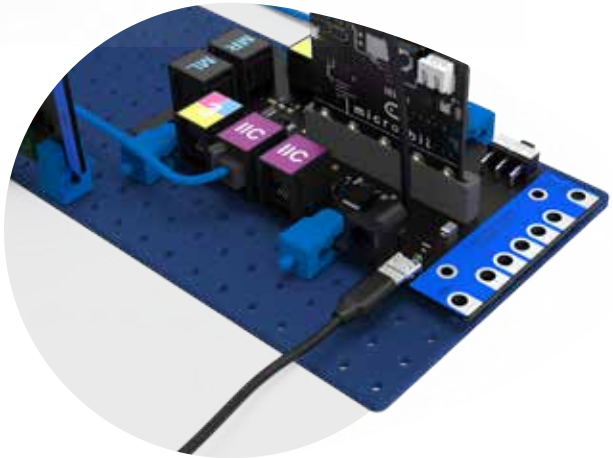

19. Connect the USB-C cable to the controller board.

¡AND IT IS READY TO BE PROGRAMMED!

›››››››››

ASSEMBLY PIECES


(x10) Insert Boards


(x1) LCD Display


(x4) Insert at 90°L


(x1) Controller Board


(x1) Servo Insert


(x1) Fan motor


(x1) Board No. 14


(x1) Board No. 9


(x2) Board No. 3


(x1) Temperature and Humidity Sensor