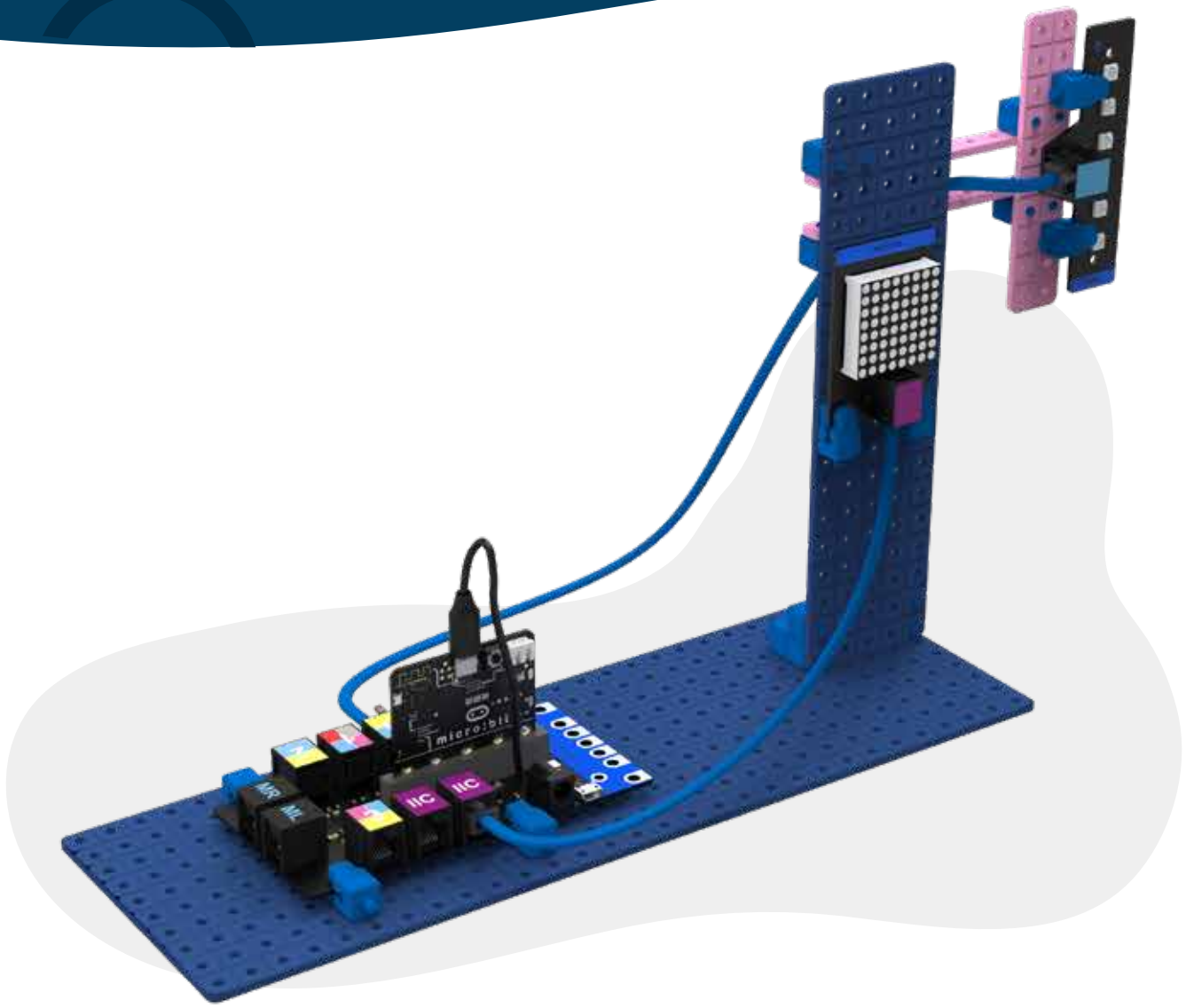
Assembly sequence:

# SMART TRAFFIC

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FIFA Foundation

# → SMART TRAFFIC

## 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



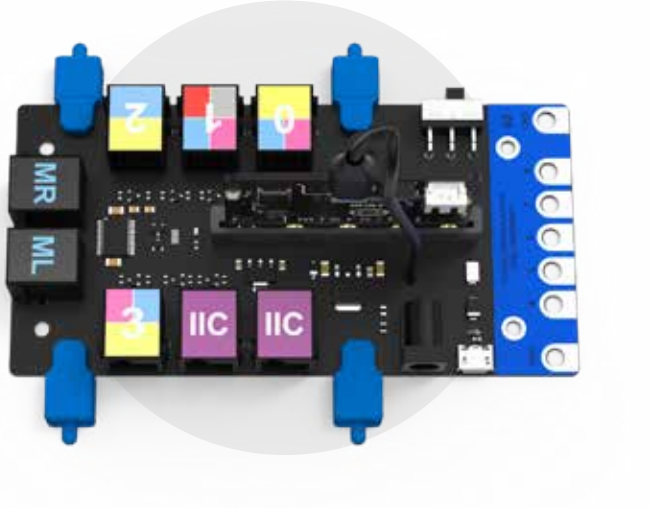
(x1)
Controller Board



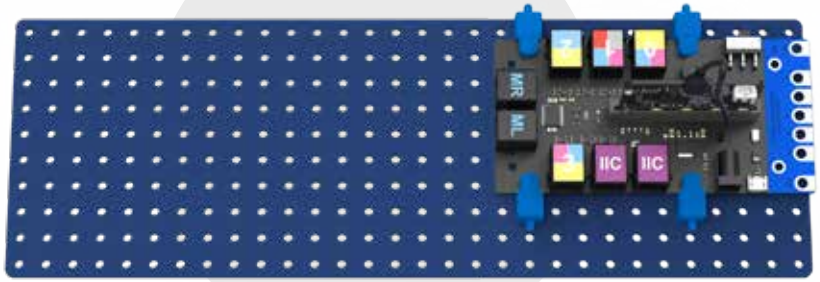
(x4)
Insert boards



(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.

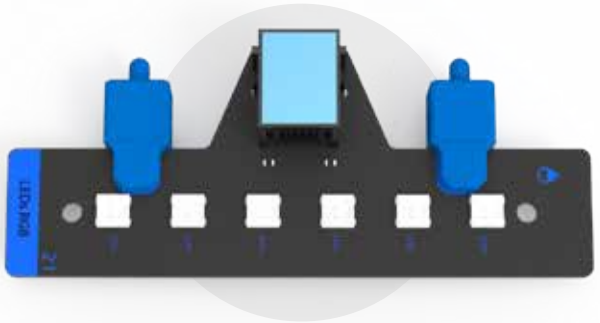
## ASSEMBLY PIECES

(x8) Insert boards

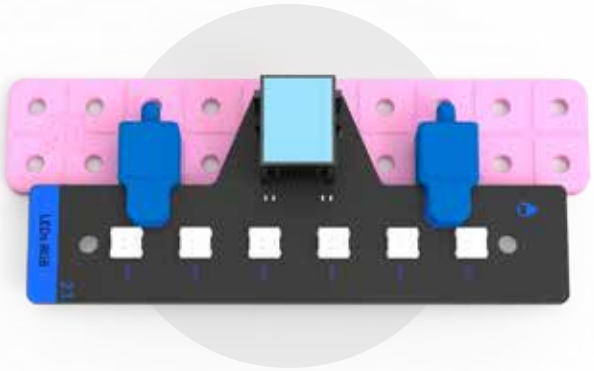
(x1) Board No. 9

(x4) Insert at 90°

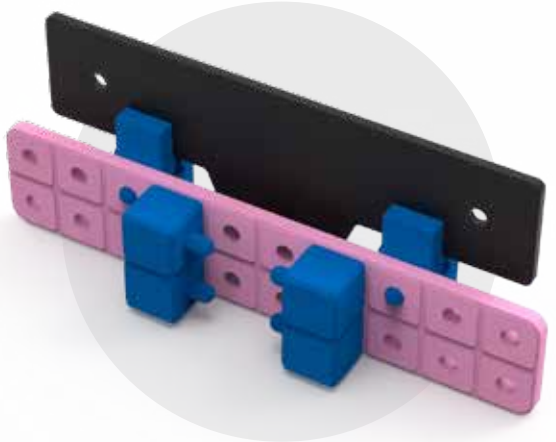
(x1) RGB LED Module



**5.** Attach the Board Brackets to the RGB LED module, two on the same side.



**6.** Attach the RGB LED moduleto the P09 board.



**7.** Attach two E05 90° Brackets just behind the P09 board connected to the RGB LED module, oriented to face each other.

## ASSEMBLY PIECES

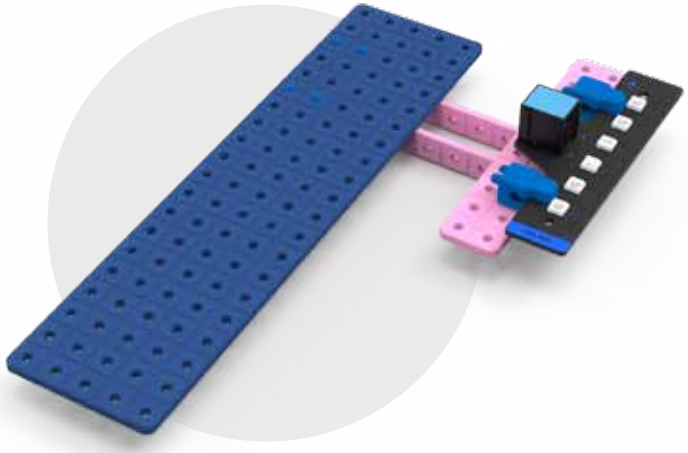
- (x2) Insert boards
- (x1) Board No. 9
- (x4) Insert at 90°
- (x2) Board No. 7
- (x1) RGB LEDs
- (x1) Board No. 12



**8.** Attach two P07 boards to the previously installed E05 90° Brackets.



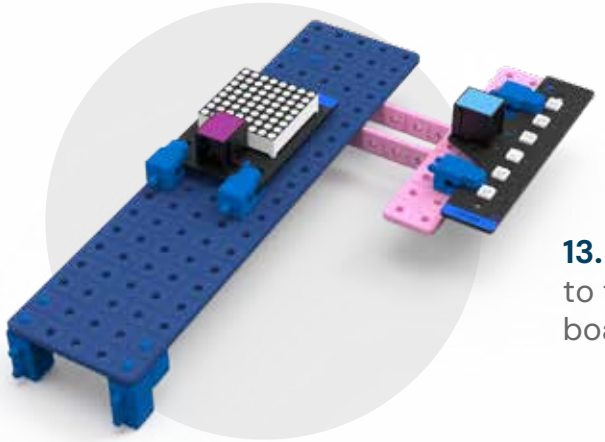
**9.** Add two more E05 90° Brackets to the ends of the P07 boards, oriented upward.



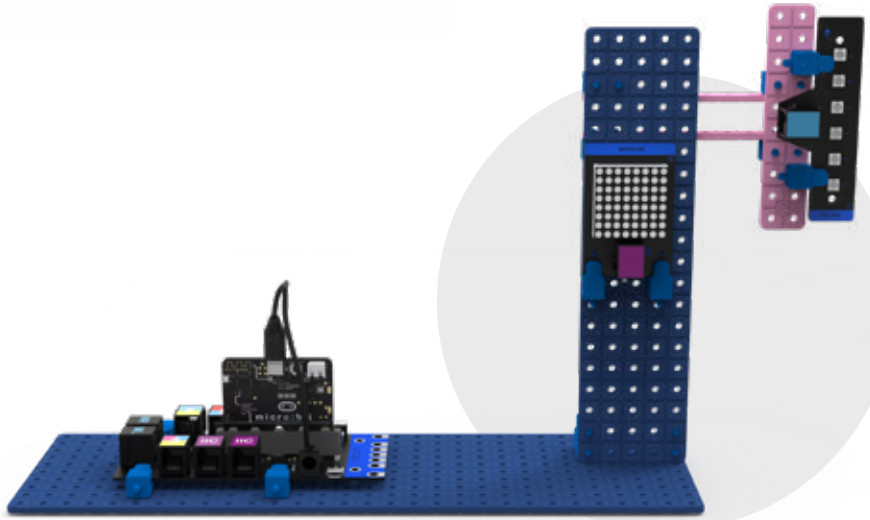
**10.** Attach the previously assembledunit to the P12 board.

## ASSEMBLY PIECES

- (x8) Insert boards
- (x1) Controller Board
- (x1) Board No. 9
- (x2) Insert at 90°L
- (x1) LED Matrix
- (x2) Board No. 7
- (x4) E05 90° Brackets
- (x1) RGB LEDs
- (x1) Board No. 14
- (x1) Board No. 12



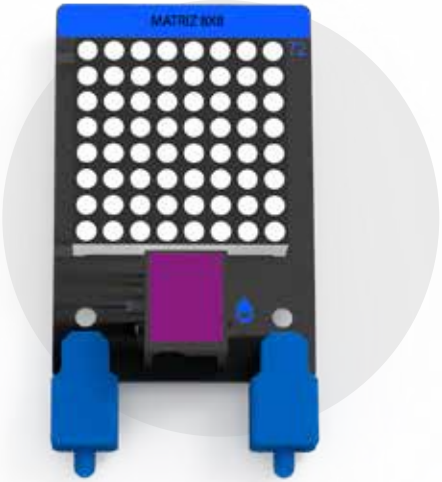
**13.** Add two L-shaped Brackets to the bottom tip of the P12 board , oriented upward.



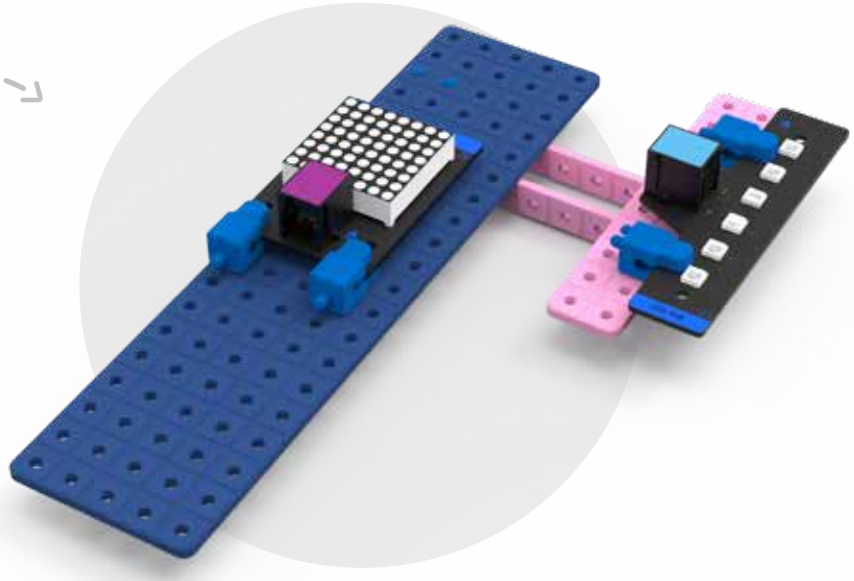
**14.** Attach the assembly to the P14 board.

## ASSEMBLY PIECES

- (x4) Insert boards
- (x1) LED Matrix
- (x1) Board No. 9
- (x4) Insert at 90°
- (x1) RGB LEDs
- (x2) Board No. 7
- (x1) Board No. 12



**11.** Attach the Board Brackets to the 8x8 matrix display module, two on the same side.

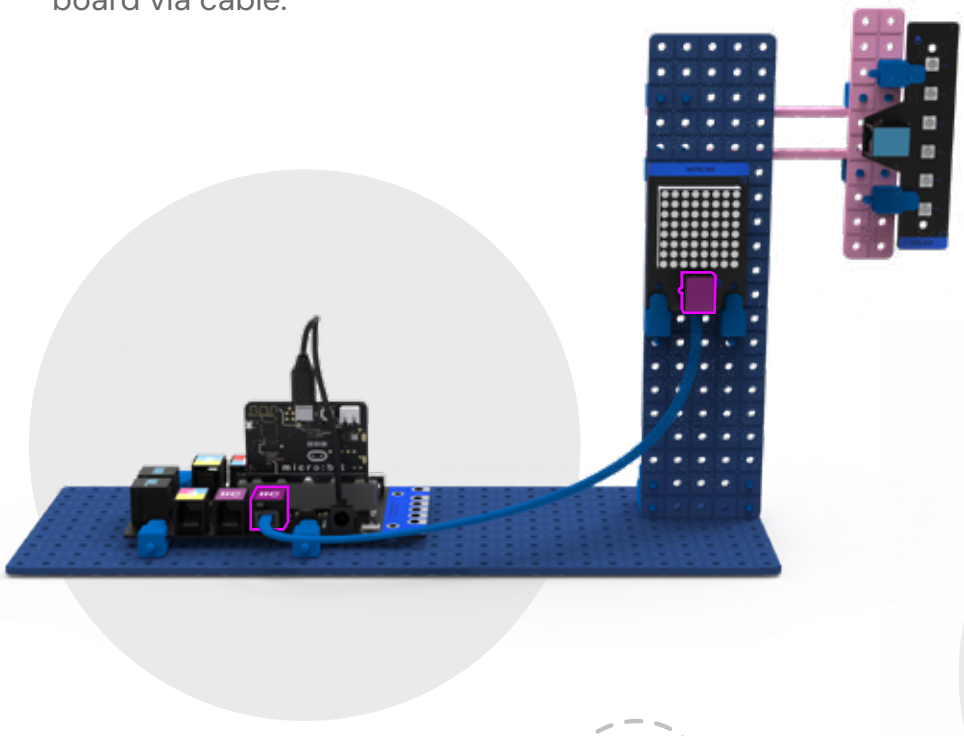


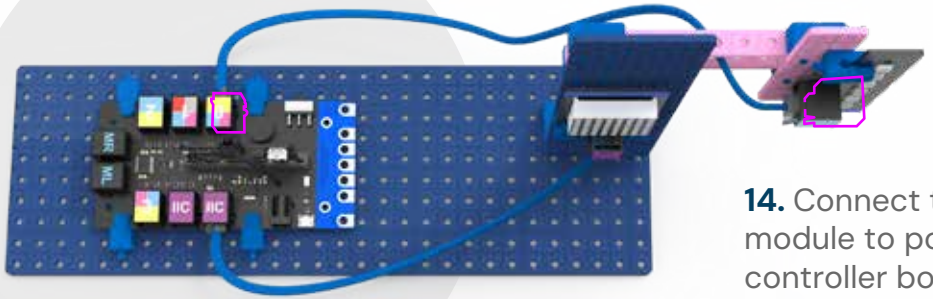
**12.** Attach the 8x8 matrix display module to P12  board.

## ASSEMBLY PIECES

| | | | | | |
|---|---|---|---|---|---|
| (x8) Insert boards | | (x1) Controller Board | | (x1) Board No. 9 | |
| (x2) 90° L Connector | | (x1) LED Matrix | | (x2) Board No. 7 | |
| (x4) E05 90° Brackets | | (x1) RGB LEDs | | (x1) Board No. 14 | |
| | | | | (x1) Board No. 12 | |

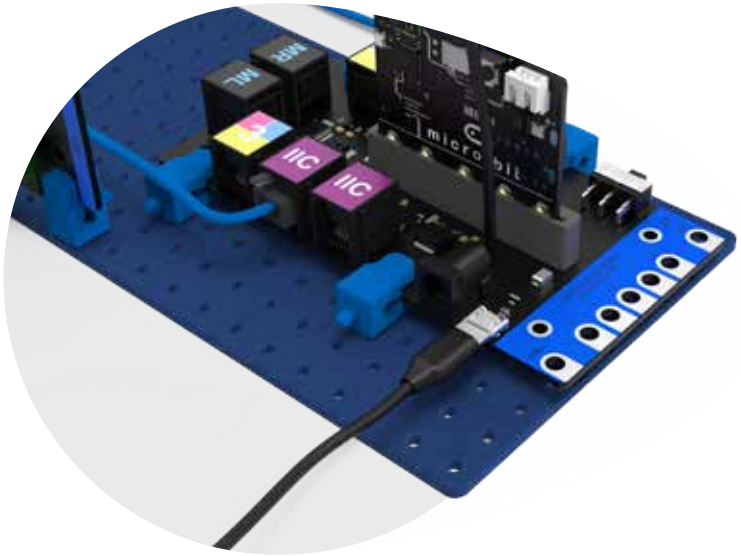
**15.** Connect the 8x8 matrix display module to the IIC port on the controller board via cable.





**14.** Connect the RGB LED module to port 0 on the controller board via cable.

**17.** Connect the USB-C cable to the controller board



## ¡AND IT'S READY TO BE PROGRAMMED!

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## ASSEMBLY PIECES


(x8) Insert boards


(x1) Controller Board


(x1) Board No. 9


(x2) Insert at 90ºL


(x1) RGB LEDs


(x2) Board No. 7


(x1) Board No. 14


(x1) LED Matrix


(x4) Insert at 90º


(x1) Board No. 12