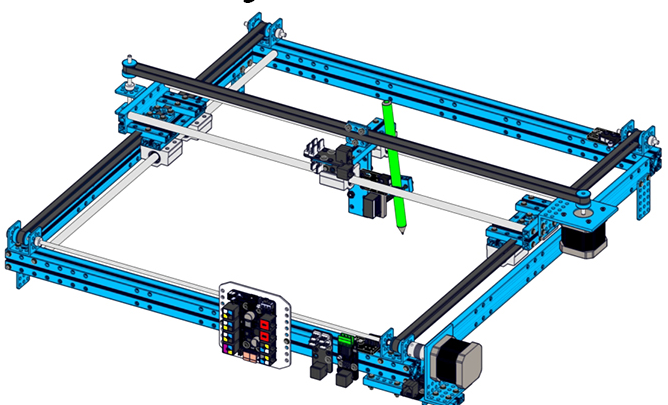
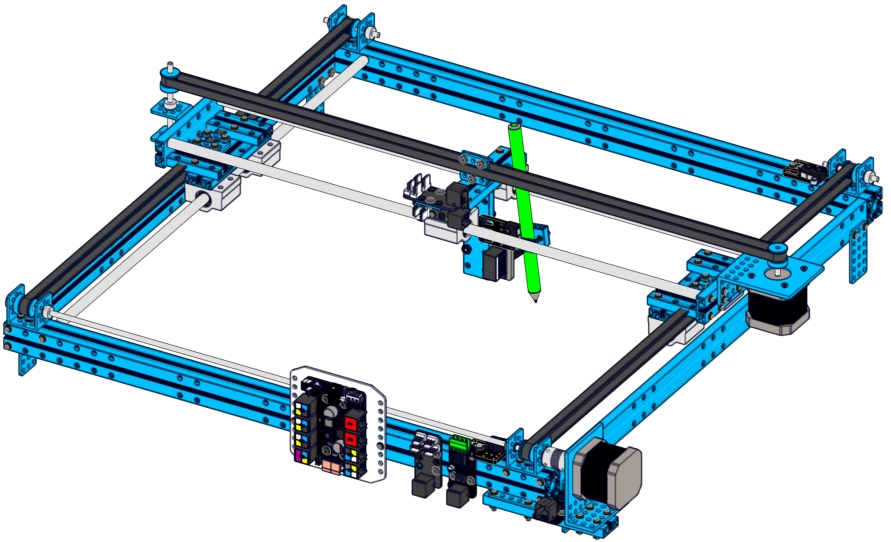
Makeblock
Construct Your Dreams

XY Plotter V2.0

Assembly Instructions





2×Beam 0824 496

2×Beam 2424-504

2×Linear Motion Shaft D8X496mm

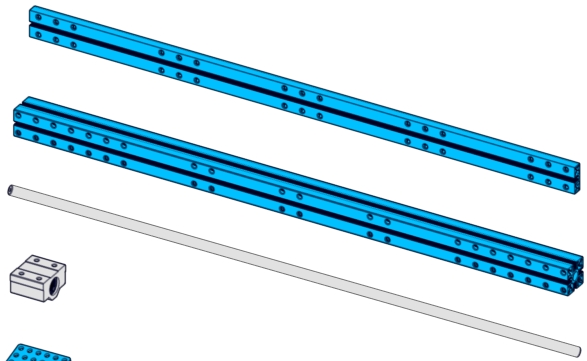
4×Linear Motion Slide Unit 8mm

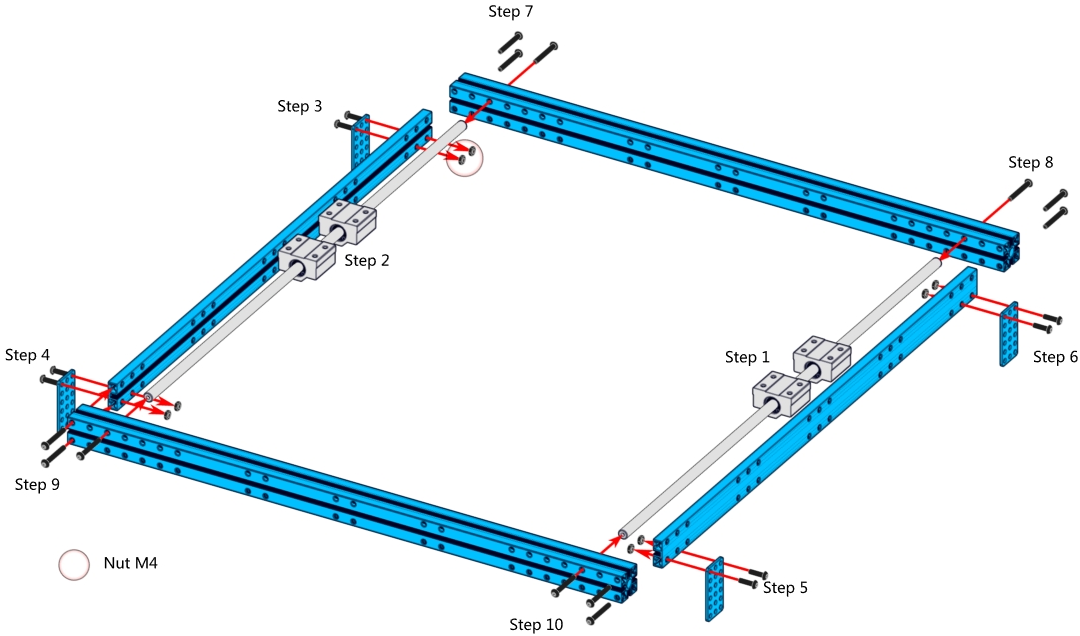
4×Plate 3×6

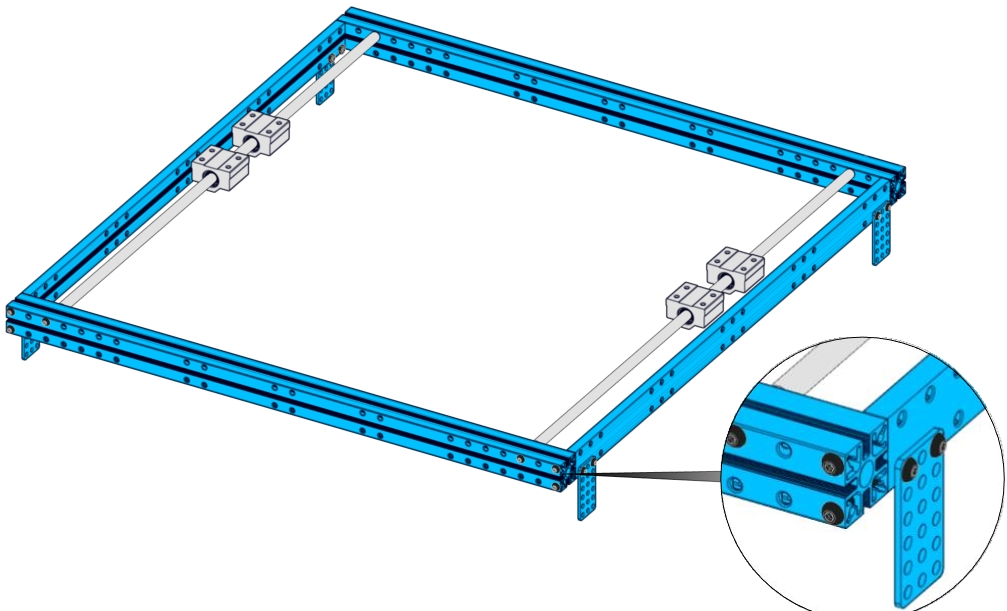
8×Screw M4×14

12×Screw M4×30

8×Nut M4

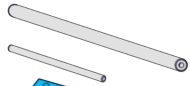



Step 7
Step 3
Step 8
Step 2
Step 4
Step 1
Step 6
Step 9
Nut M4
Step 5
Step 10

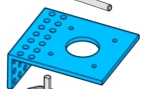


2×Linear Motion Shaft D8X496mm

1×Linear Motion Shaft D4x80mm



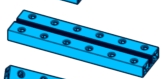
1×42BYG Stepper Motor Bracket



1×42BYG Stepper Motor

4×Beam 0824 48

4×Beam 0824 96



1×Beam 0824 112

2×Linear Motion Slide Unit 8mm

2×Flange Bearing 4x8x3mm

4×Headless Set Screw M3x5

2×Nut M4

5×Screw M4×8

16×Screw M4×14

2×Screw M4×16

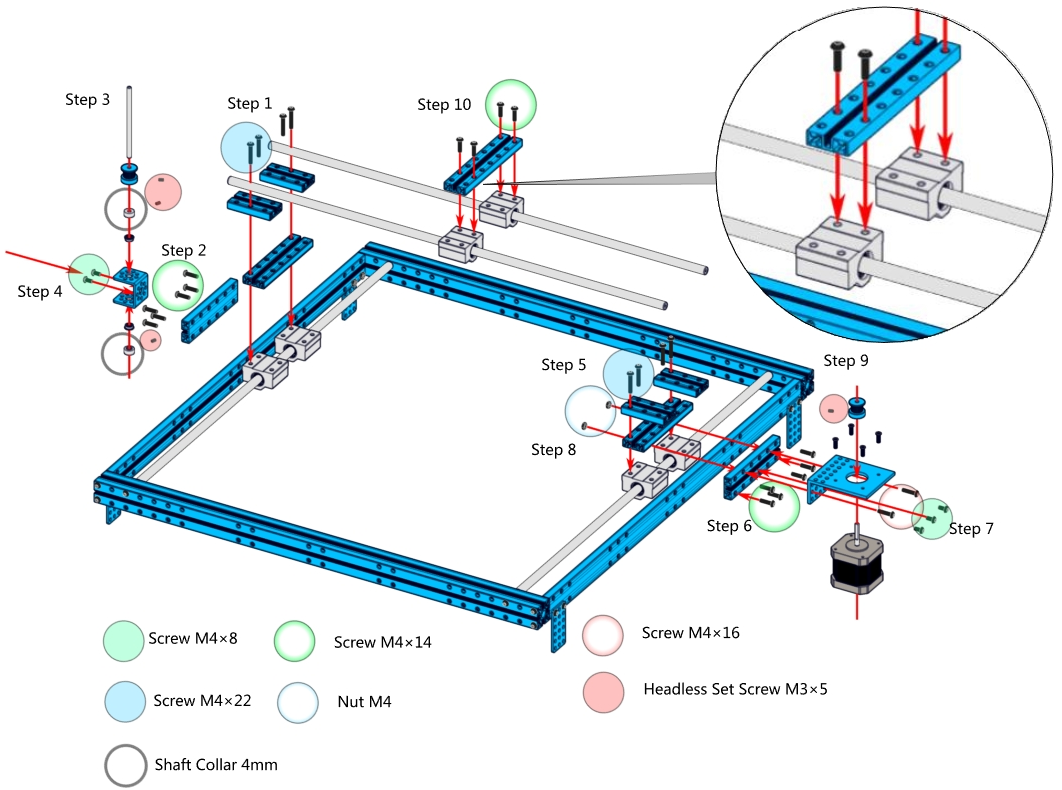
8×Screw M4×22

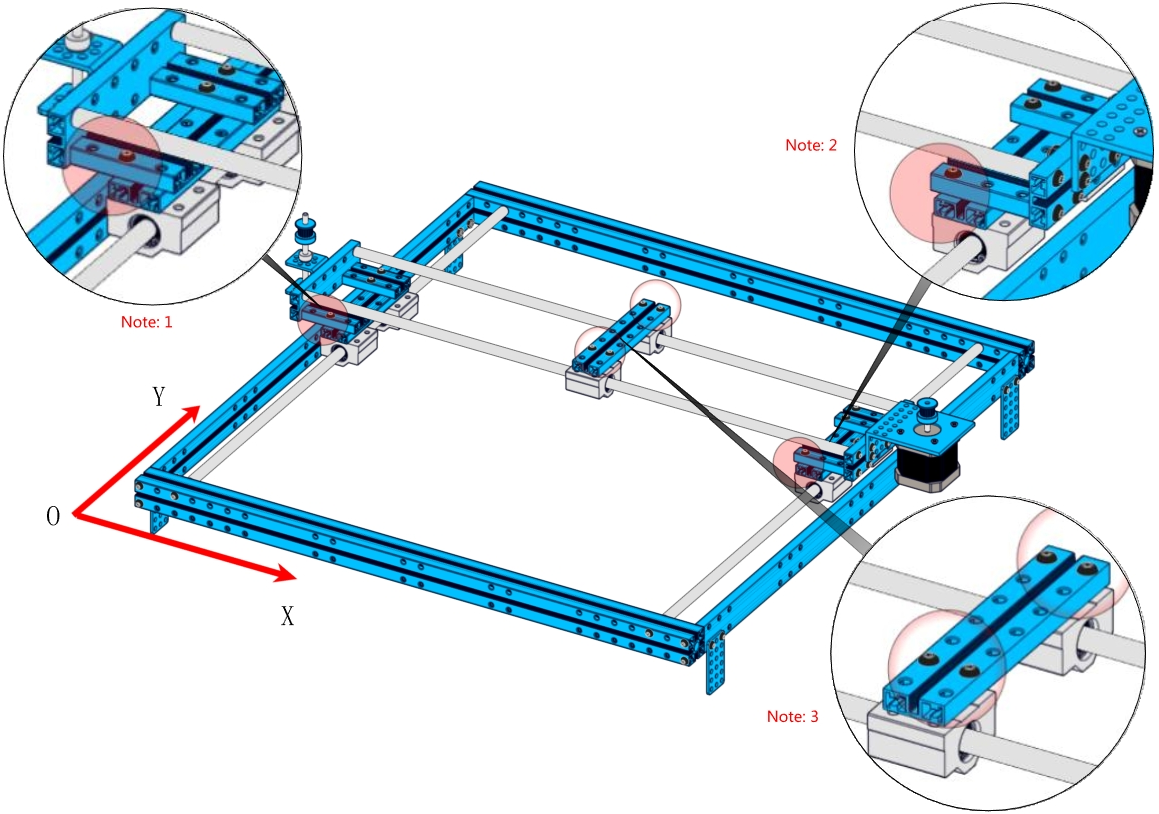
4×Countersunk Screw M3x8

2×Shaft Collar 4mm

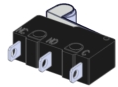
2×Timing Pulley 18T

1×Bracket U1

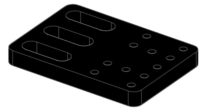

Step 3
Step 1
Step 10
Step 2
Step 4
Step 5
Step 9
Step 8
Step 6
Step 7
Screw M4×8
Screw M4×14
Screw M4×16
Screw M4×22
Nut M4
Headless Set Screw M3×5
Shaft Collar 4mm


Note: 1
Note: 2
Note: 3
Y
0
X

1×Micro Switch Button

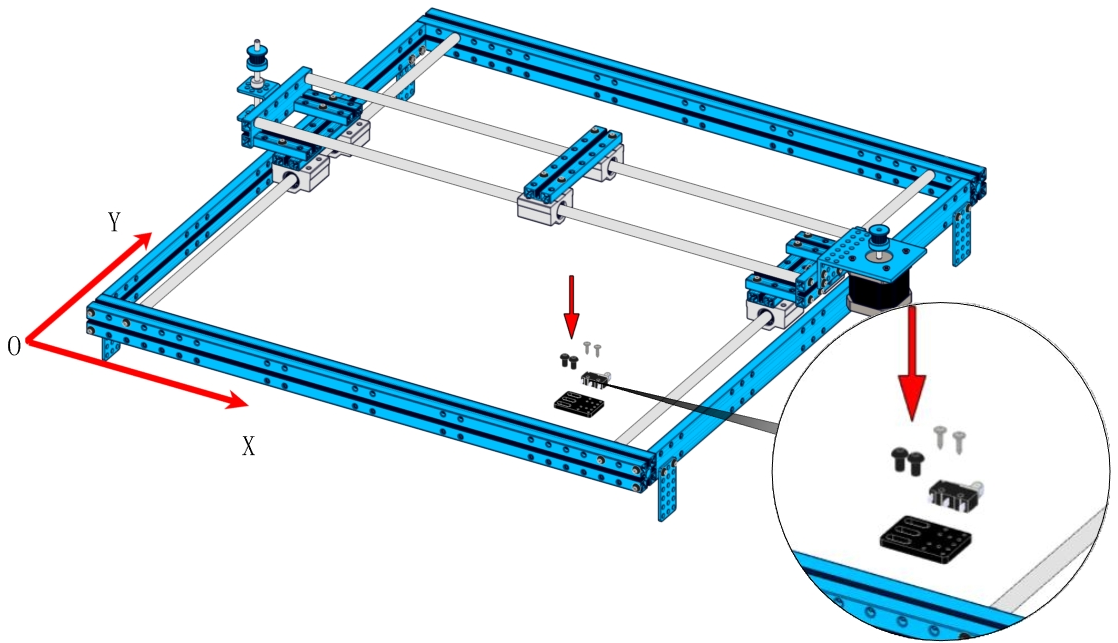


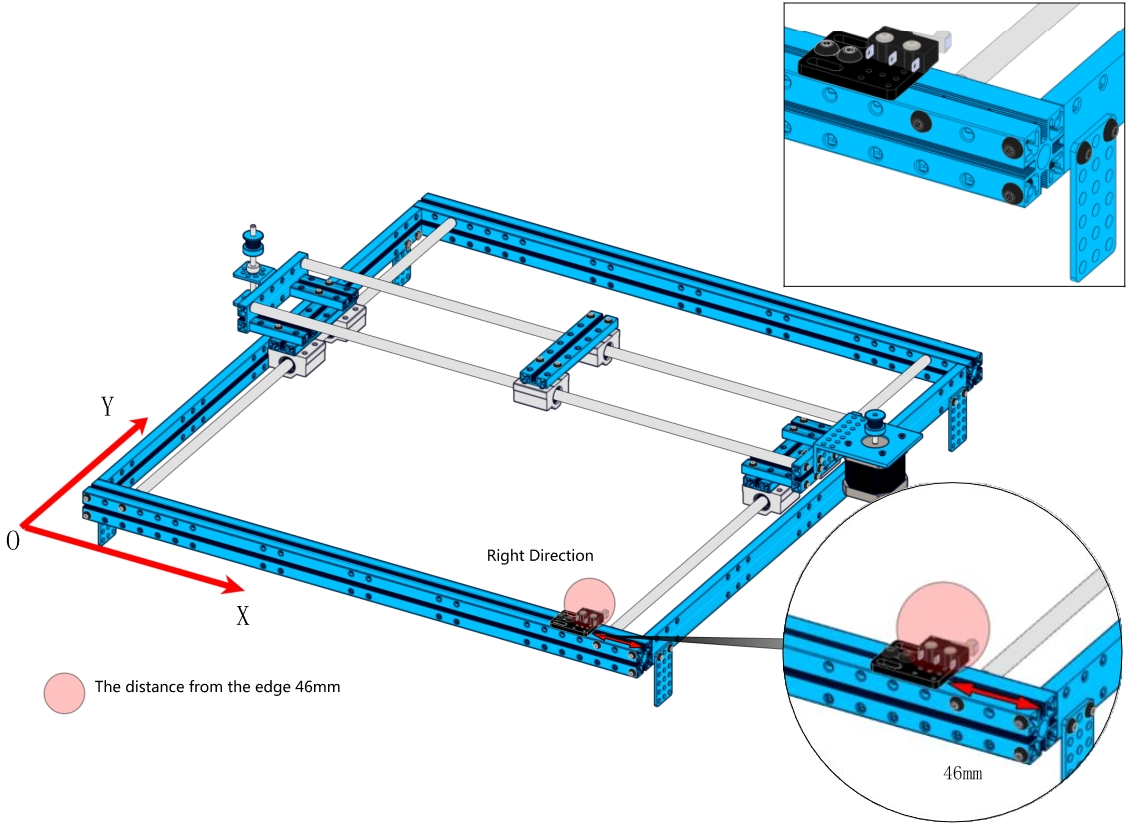
1×LS Bracket



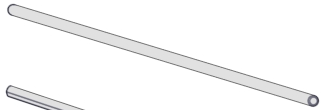
2×Cross Recessed Pan Head
Tapping Screws ST2.2×6.5

2×Screw M4×8


Y
O
X

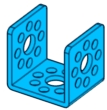

Y
O
X
Right Direction
The distance from the edge 46mm
46mm

1×Linear Motion Shaft D4x512mm



2×D Shaft 4x56mm

4×Bracket U1



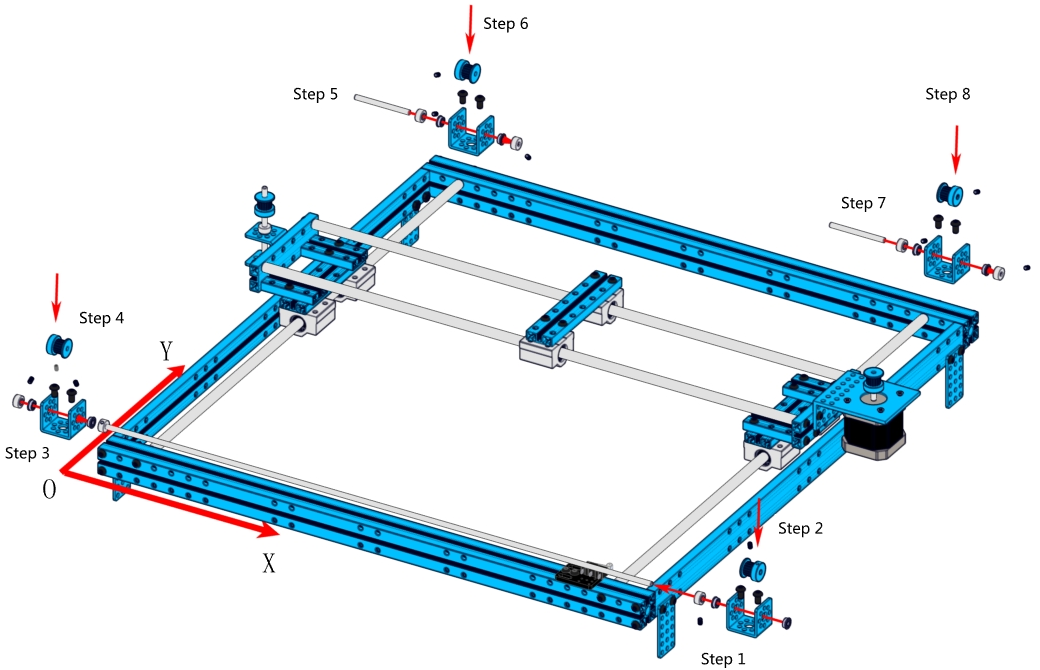
4×Timing Pulley18T

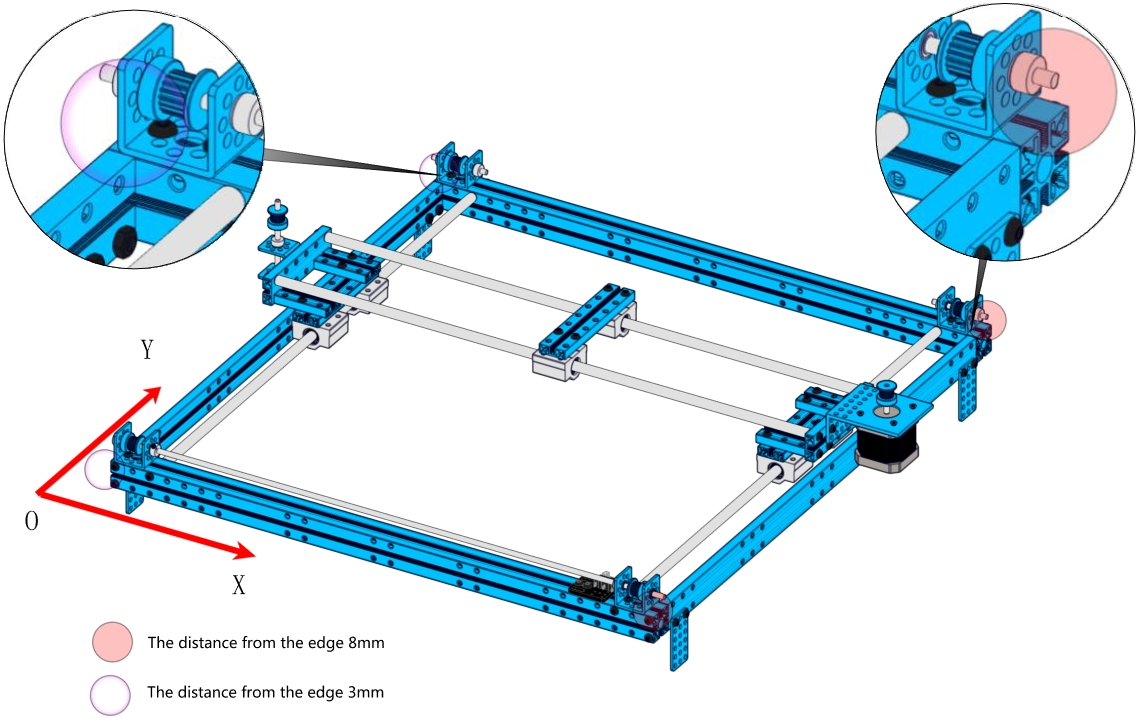
7×Shaft Collar 4mm

8×Flange Bearing 4x8x3mm

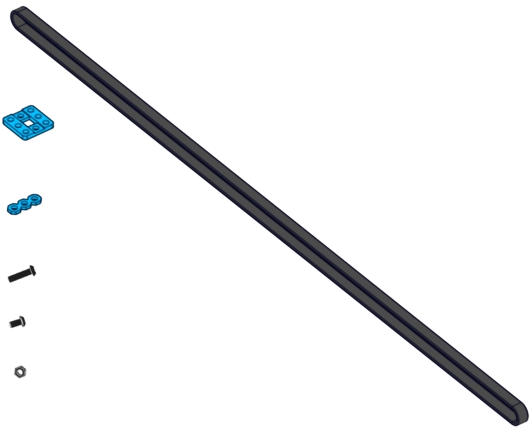
11×Headless Set Screw M3x5

8×Screws M4×8


Step 6
Step 5
Step 8
Step 7
Step 4
Y
Step 3
0
X
Step 2
Step 1


Y
0
X
The distance from the edge 8mm
The distance from the edge 3mm

2×Open-end Timing Belt (1.3m)



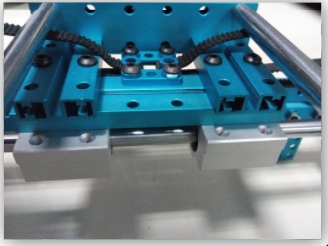
2× Belt Connector

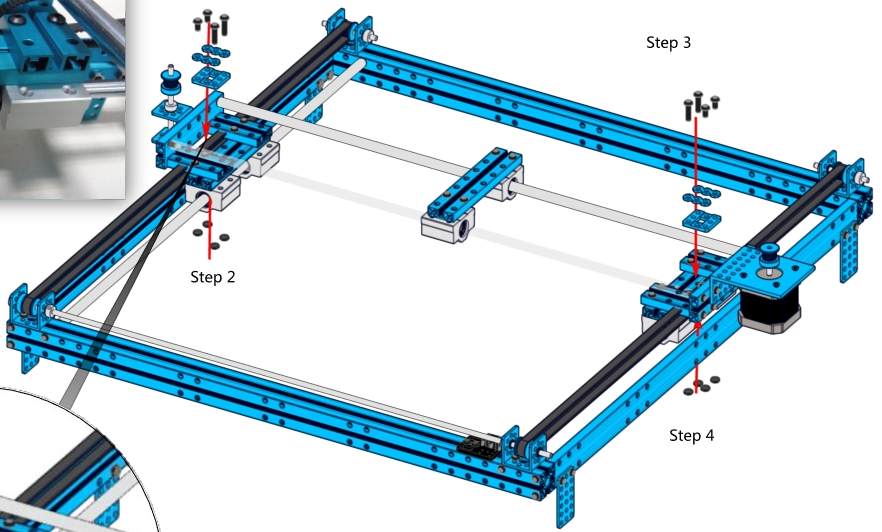
4×Cuttable Linkage 3

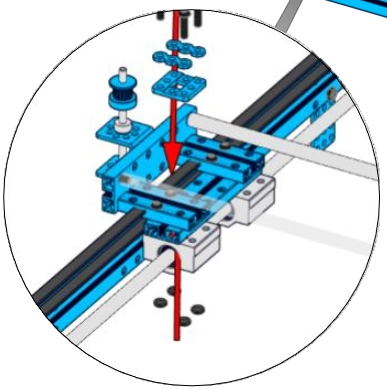
4×Screw M4×16

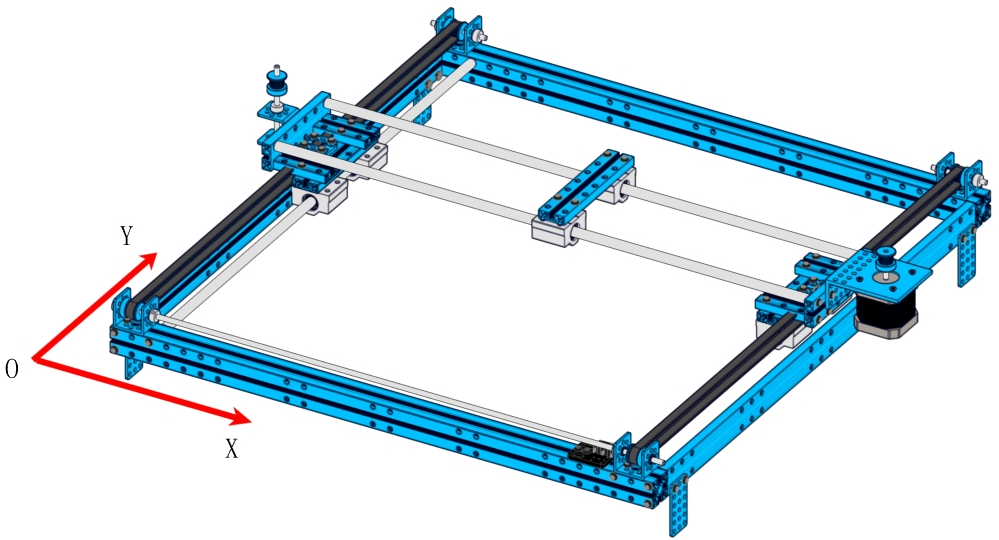
4×Screw M4×8

8×Nut M4




Step 1
Step 2
Step 3
Step 4




Y
O
X

1×Bracket 3×3

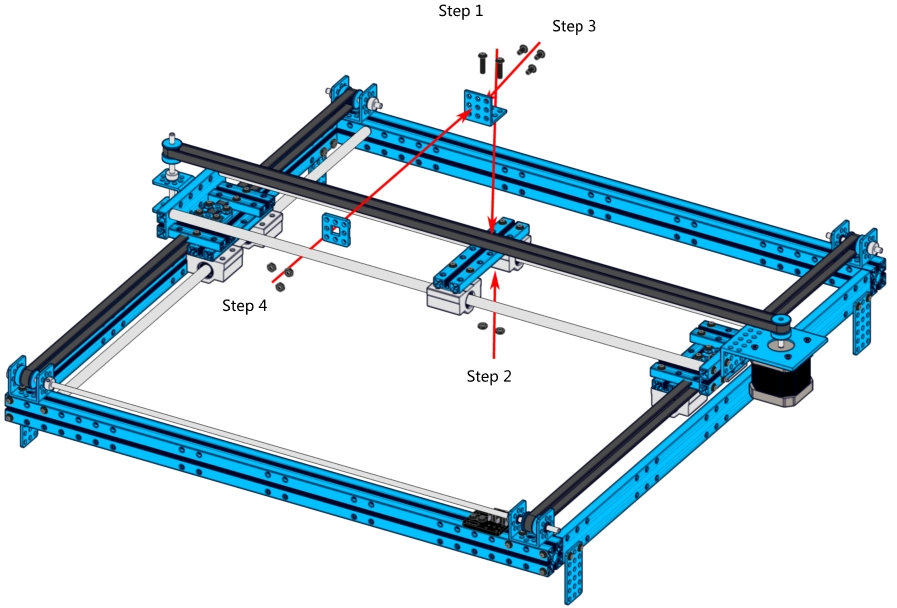
1× Belt Connector

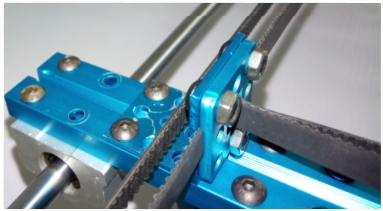
1×Open-end Timing Belt (1.3m)

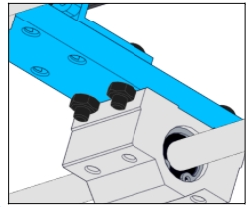
2×Screw M4×16

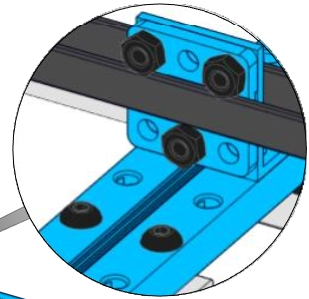
3×Screw M4×8

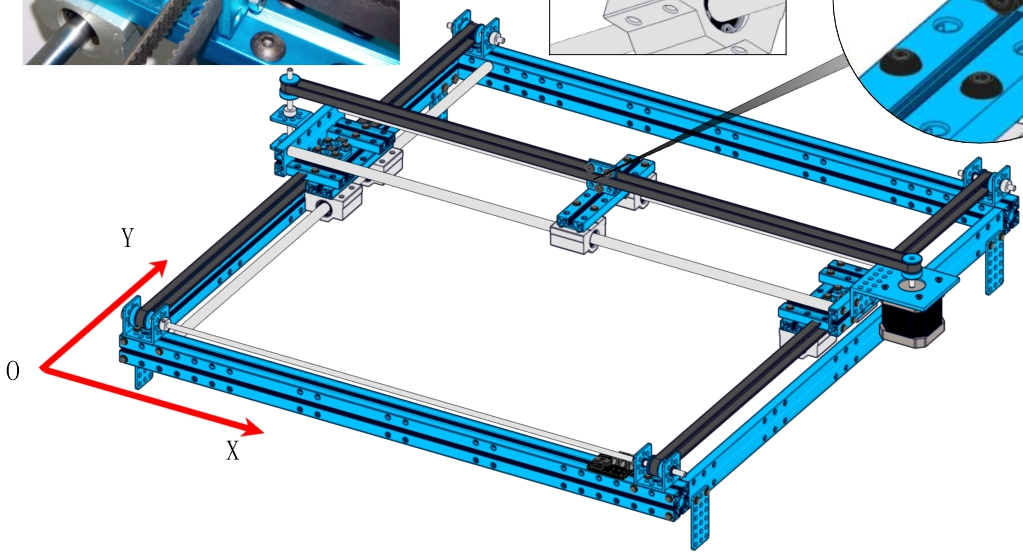
5×Nut M4


Step 1
Step 3
Step 4
Step 2








Y
0
X

1×42BYG Stepper Motor

1×42BYG Stepper Motor Bracket

1×Beam 0824 112

1×Flexible coupling 4x4mm

1×Plate 3×6

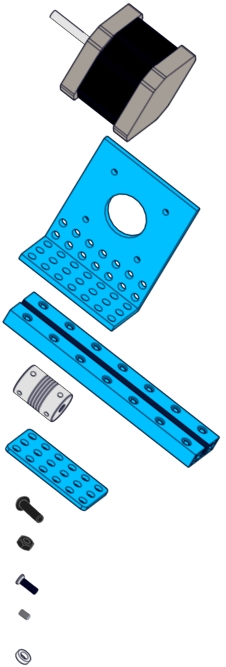
9×Screws M4×16

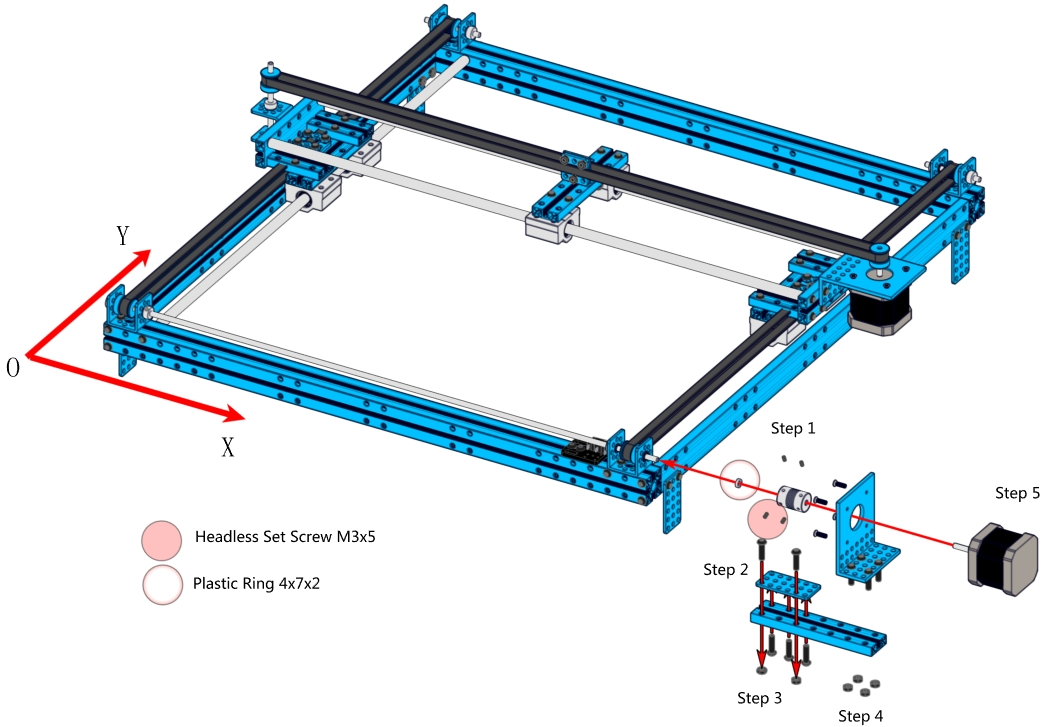
6×Nut M4

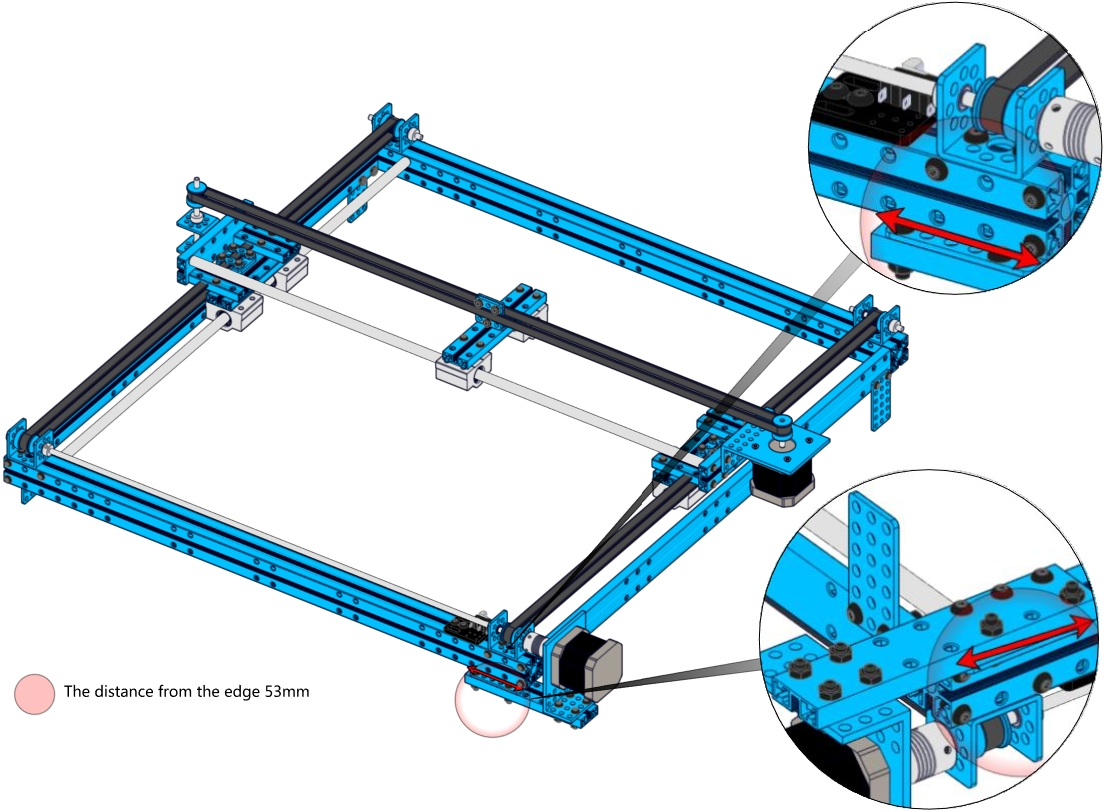
4×Screw Countersunk M3x8

4×Headless Set Screw M3x5

1×Plastic Ring 4x7x2




Y
0
X
Step 1
Step 5
Step 2
Step 3
Step 4
Headless Set Screw M3x5
Plastic Ring 4x7x2


The distance from the edge 53mm

1×Pencil,etc(provide for oneself)

1×Beam 0824 80

1×Beam 0828 16

1×Beam 0808 72/80

1×Micro Servo Fixed Slices

1×9g Micro Servo

1×Threaded Shaft 4x39mm

2×Screw M4×30

2×Screw M4×16

2×Screw M4×8

2×Screw M2×10

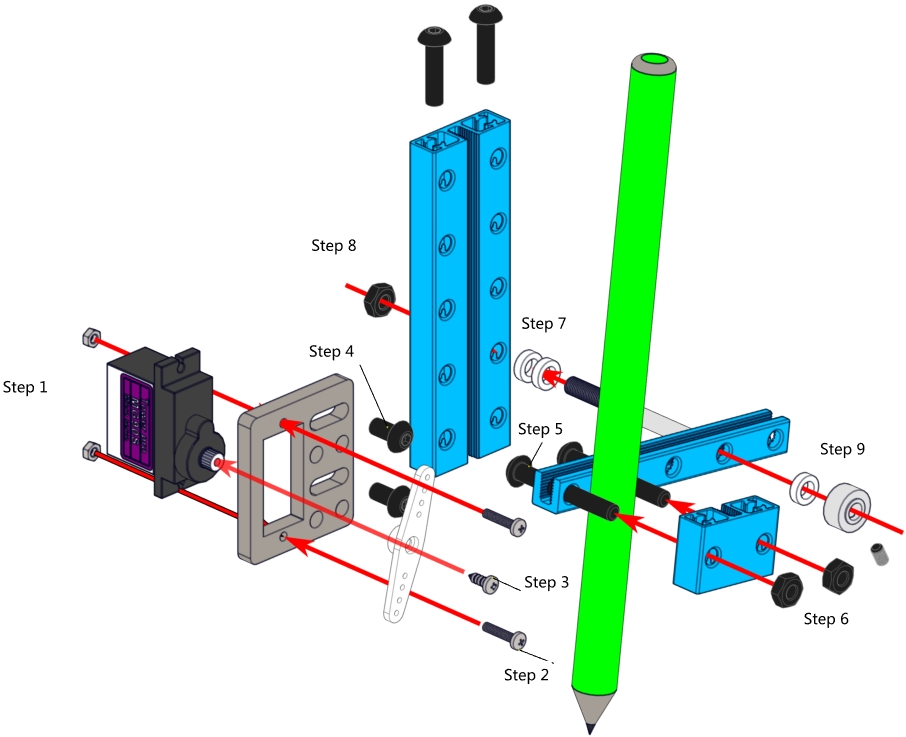
3×Nut M4

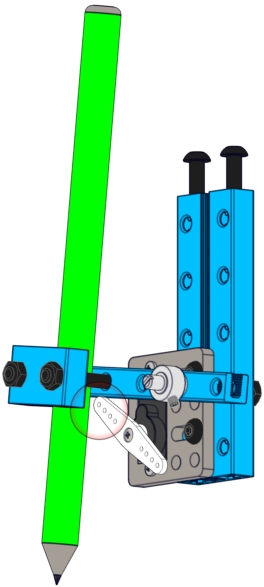
2×Nut M2

1×Screw Headless M3×5

1×Shaft Collar 4mm

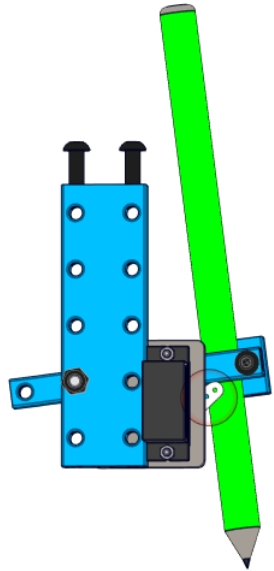
3×Plastic Ring 4x7x2


Step 1
Step 2
Step 3
Step 4
Step 5
Step 6
Step 7
Step 8
Step 9

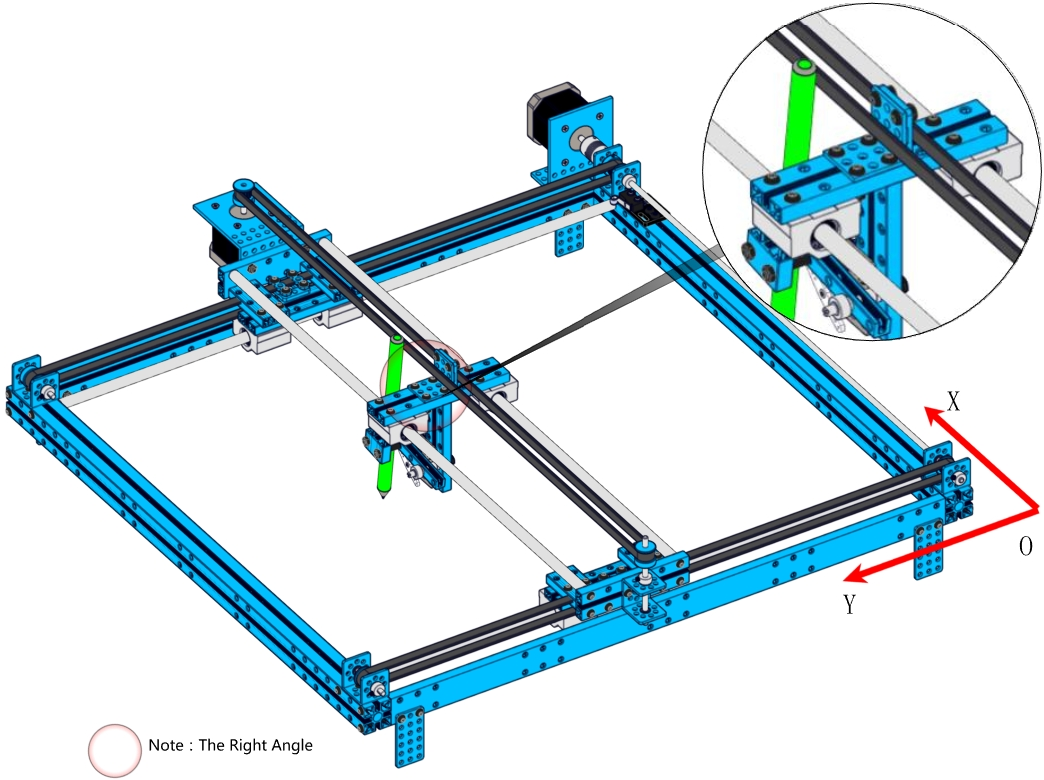


Note : The Right Angle

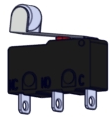
View 1



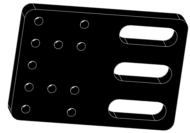
View 2


X
O
Y
Note : The Right Angle

3×Micro Switch Button



3×LS Bracket

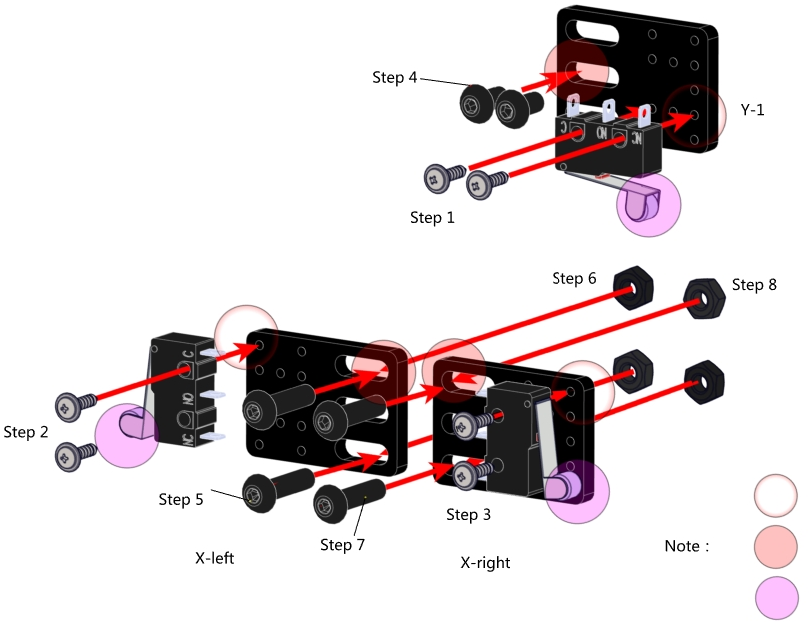


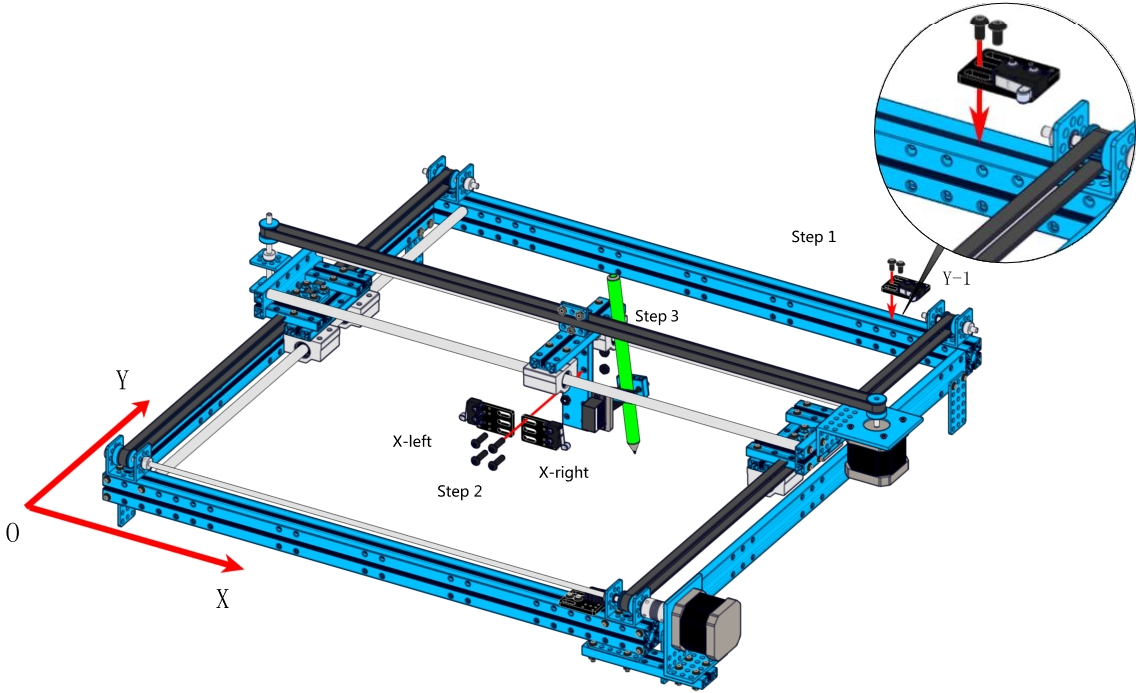
6×Cross Recessed Pan Head
Tapping Screws ST2.2×6.5

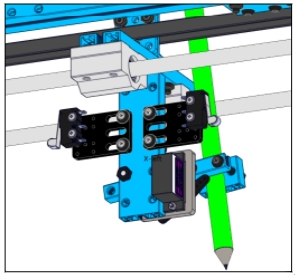
2×Screw M4×8

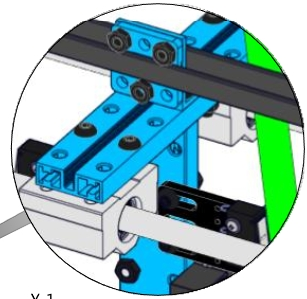
4×Screw M4×16

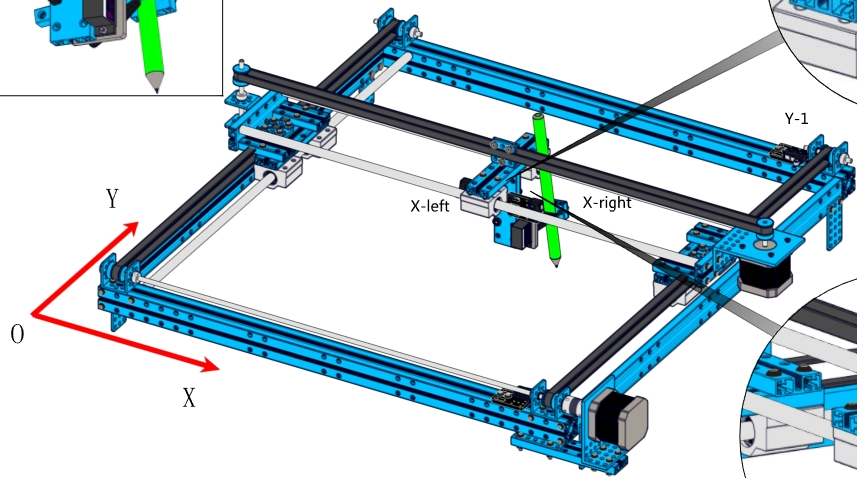
4×Nut M4

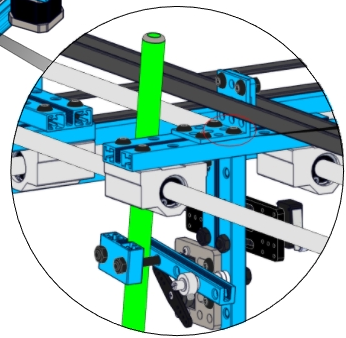

Step 4
Y-1
Step 1
Step 6
Step 8
Step 2
Step 5
Step 7
Step 3
X-left
X-right
Note :


Step 1
Y-1
Step 3
Y
X-left
X-right
Step 2
0
X

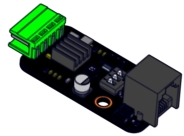




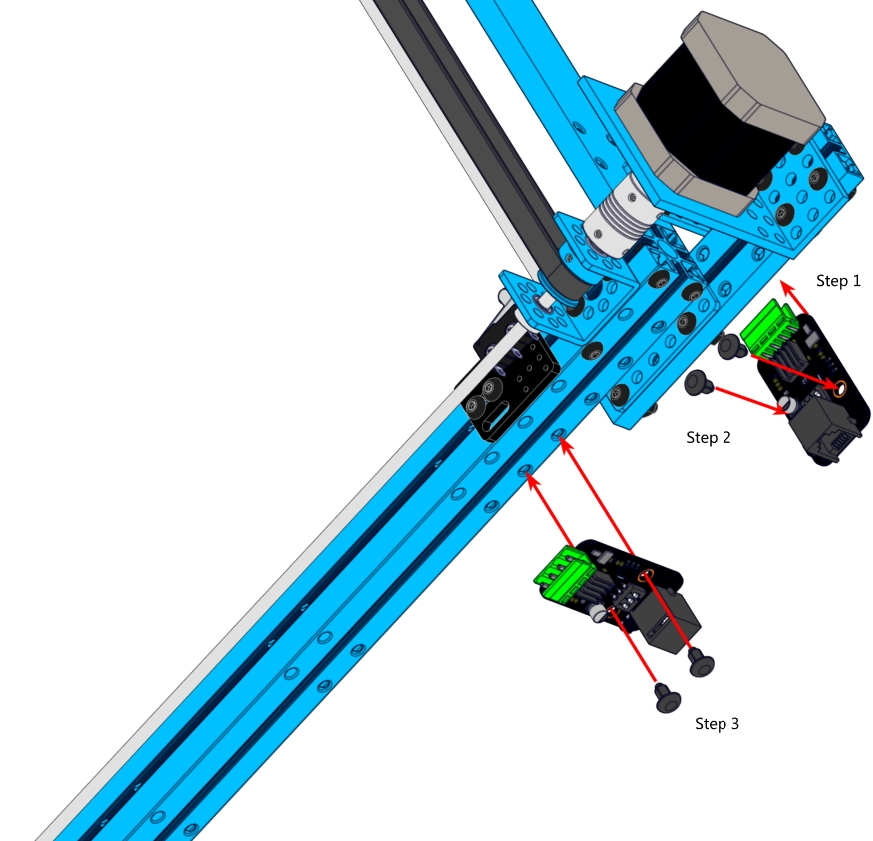

Y
0
X
X-left
X-right
Y-1

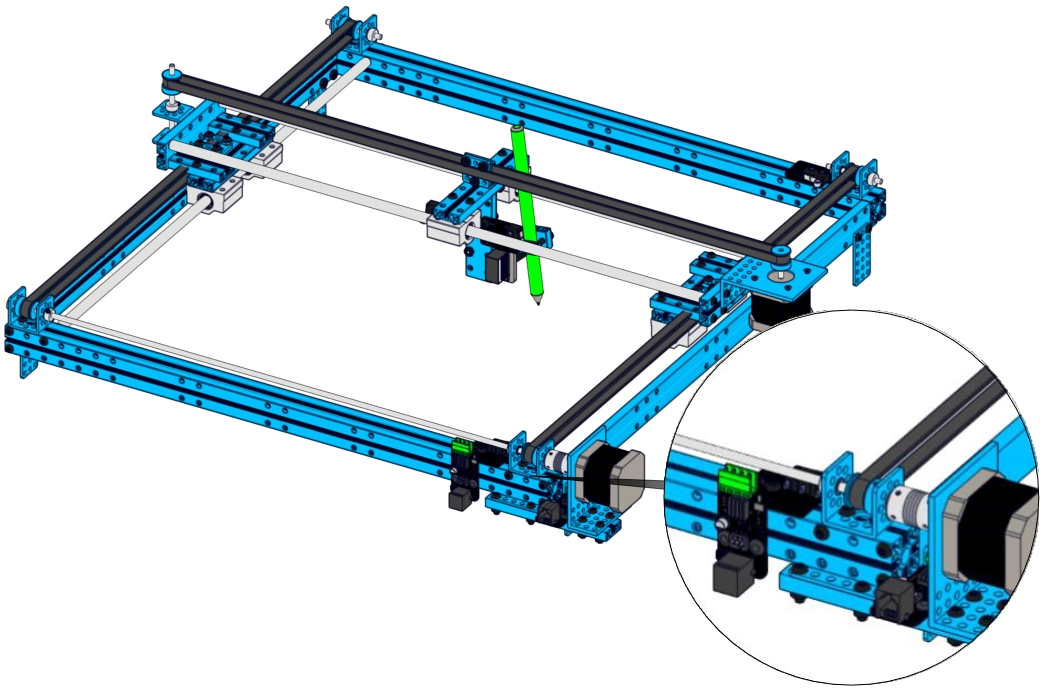


2×Me Stepper Driver V1.0

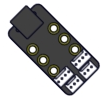


4×Plastic Rivet 4060


Step 1
Step 2
Step 3



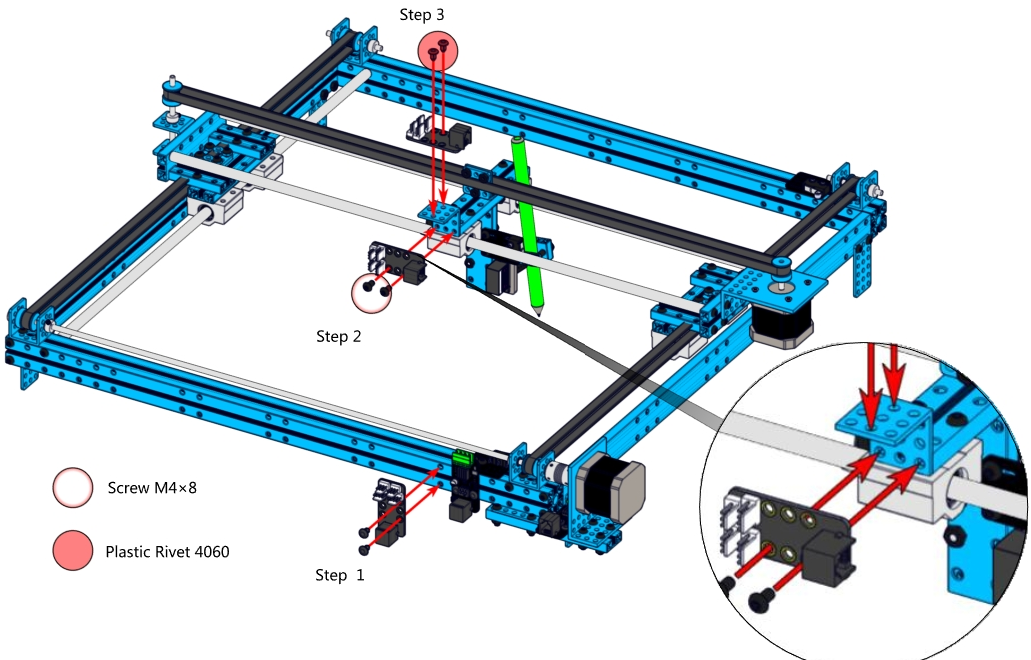
3×Me RJ25 Adapter

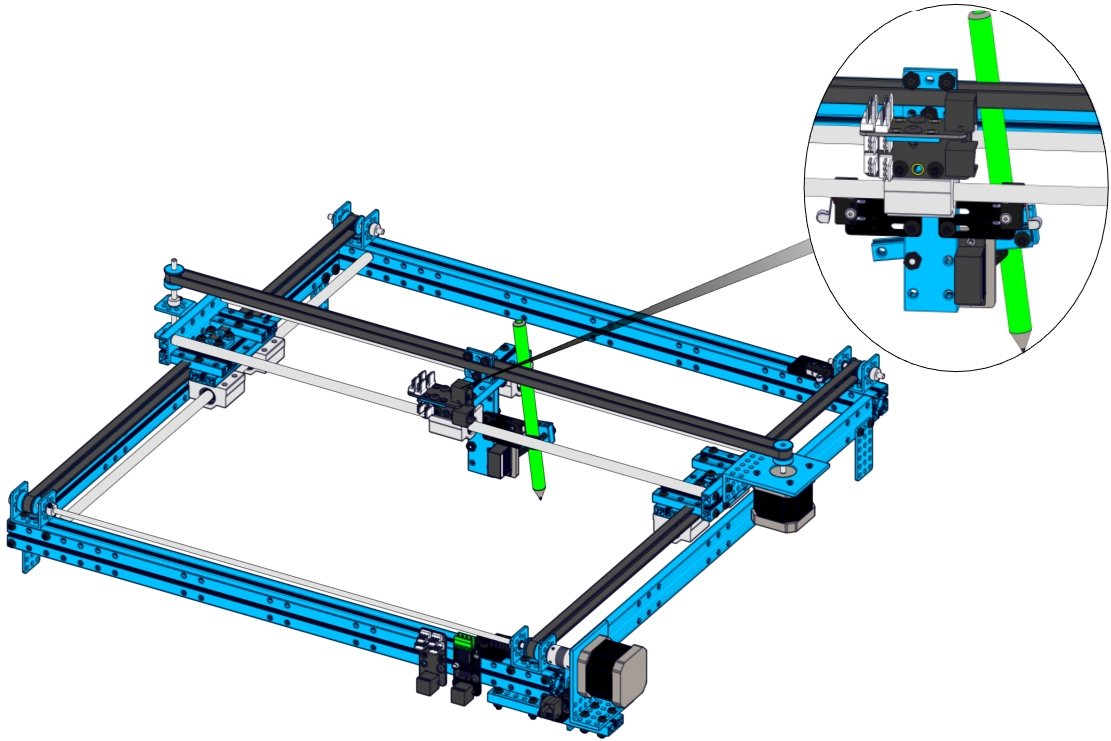


1×Bracket 3×3

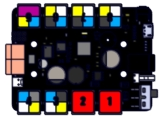
2×Screw M4×8

4×Plastic Rivet 4060

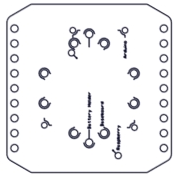

Step 3
Step 2
Step 1
Screw M4×8
Plastic Rivet 4060



1×Me Baseboard

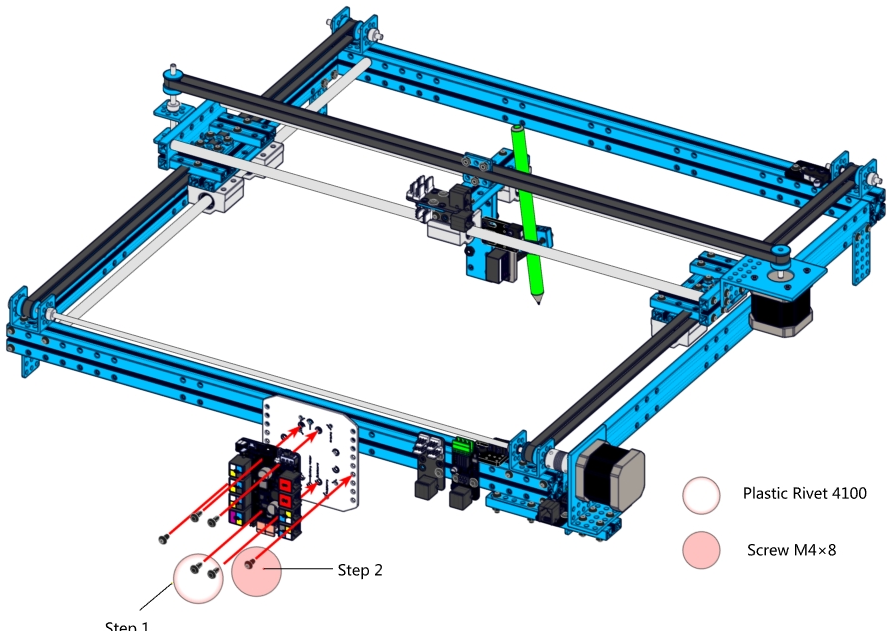


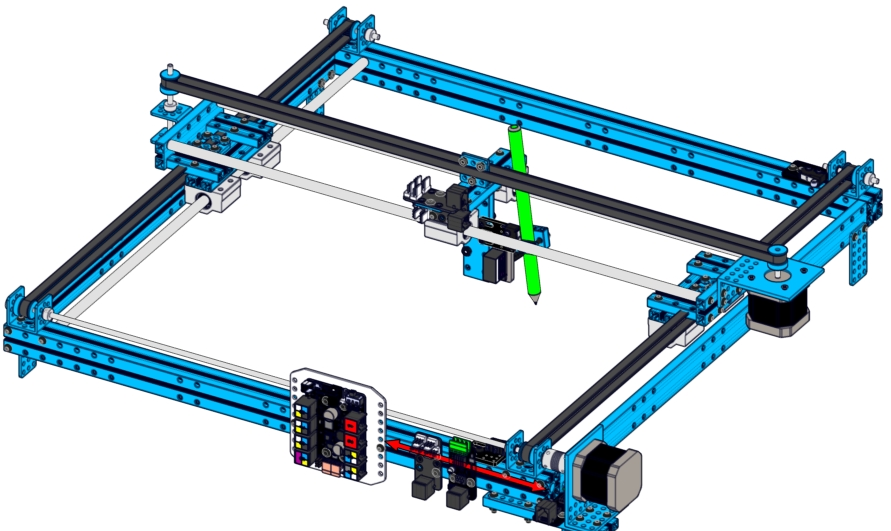
1×Base Board Plate



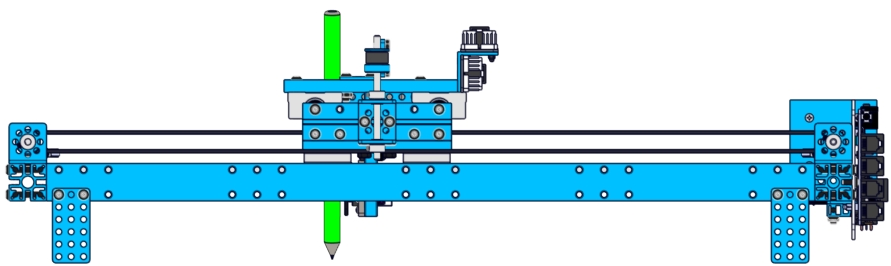
2×Screw M4×8

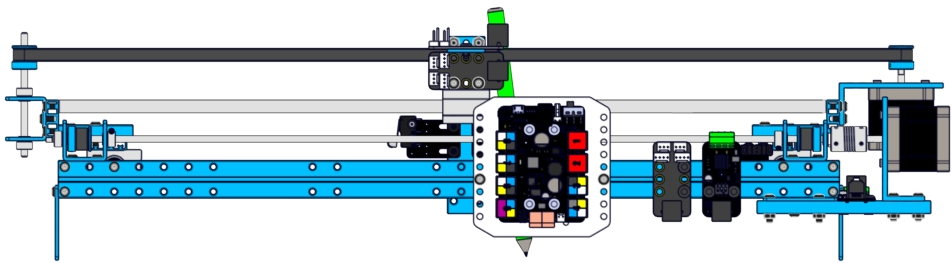
4×Plastic Rivet 4100

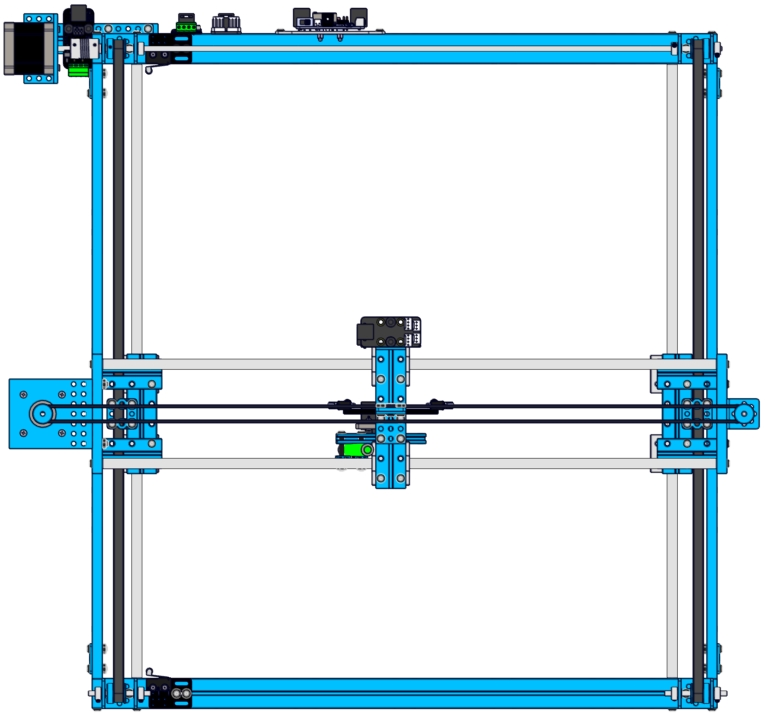

Plastic Rivet 4100
Screw M4×8
Step 2
Step 1

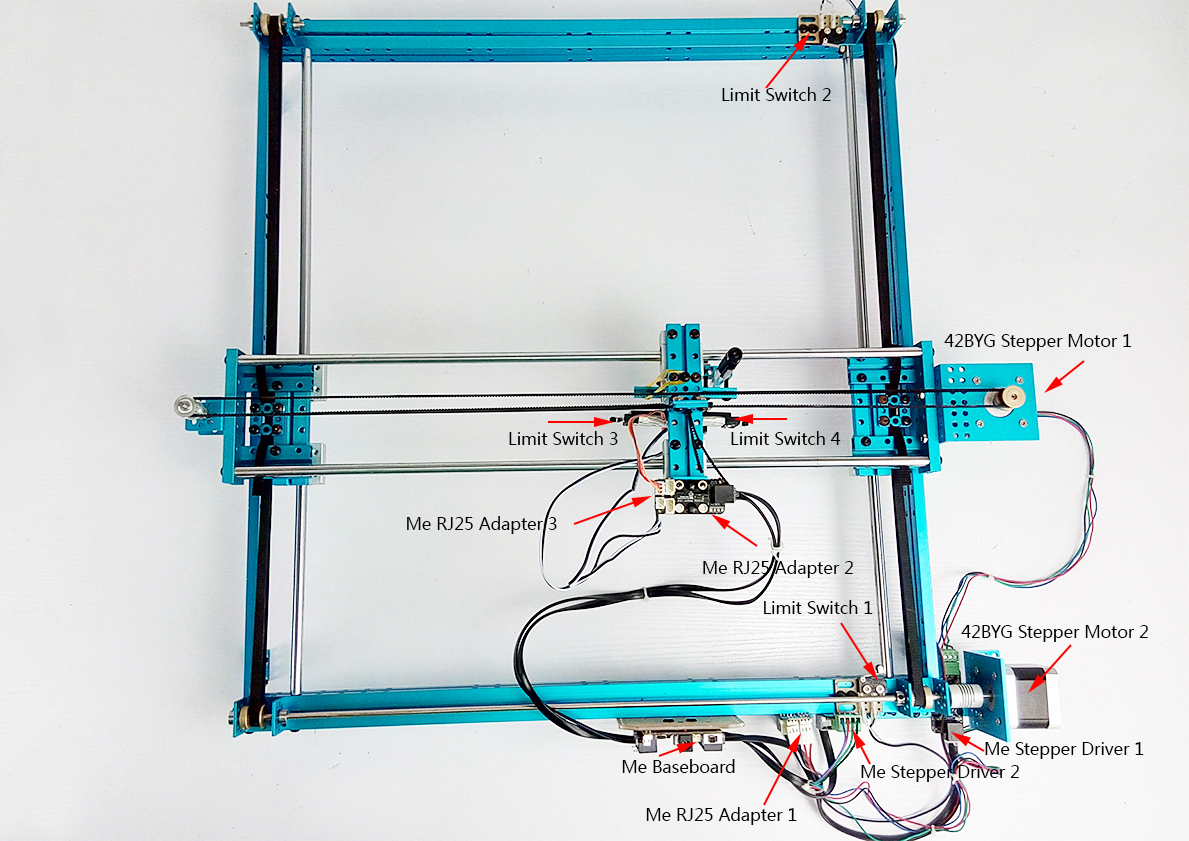


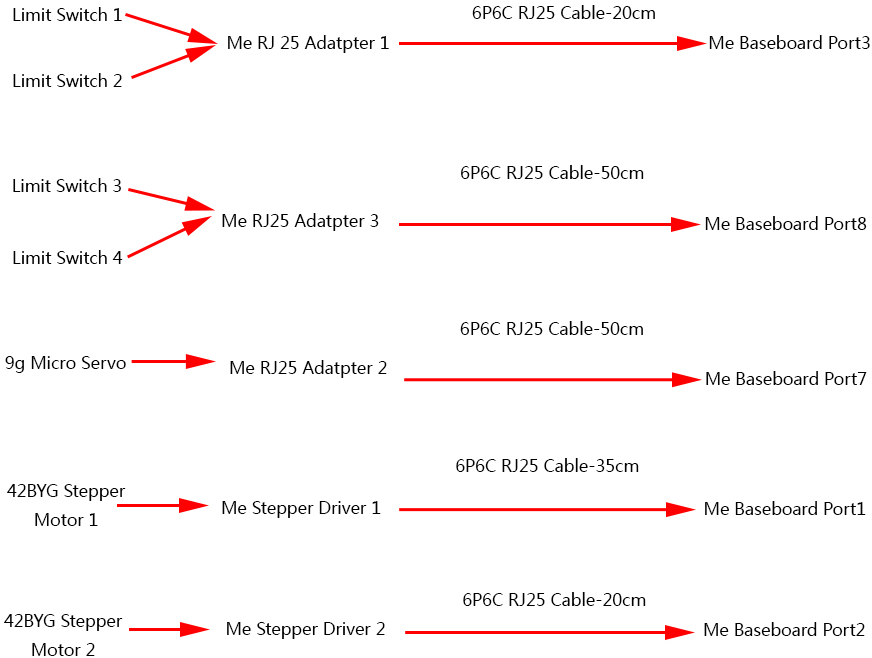
The distance from the edge 148mm

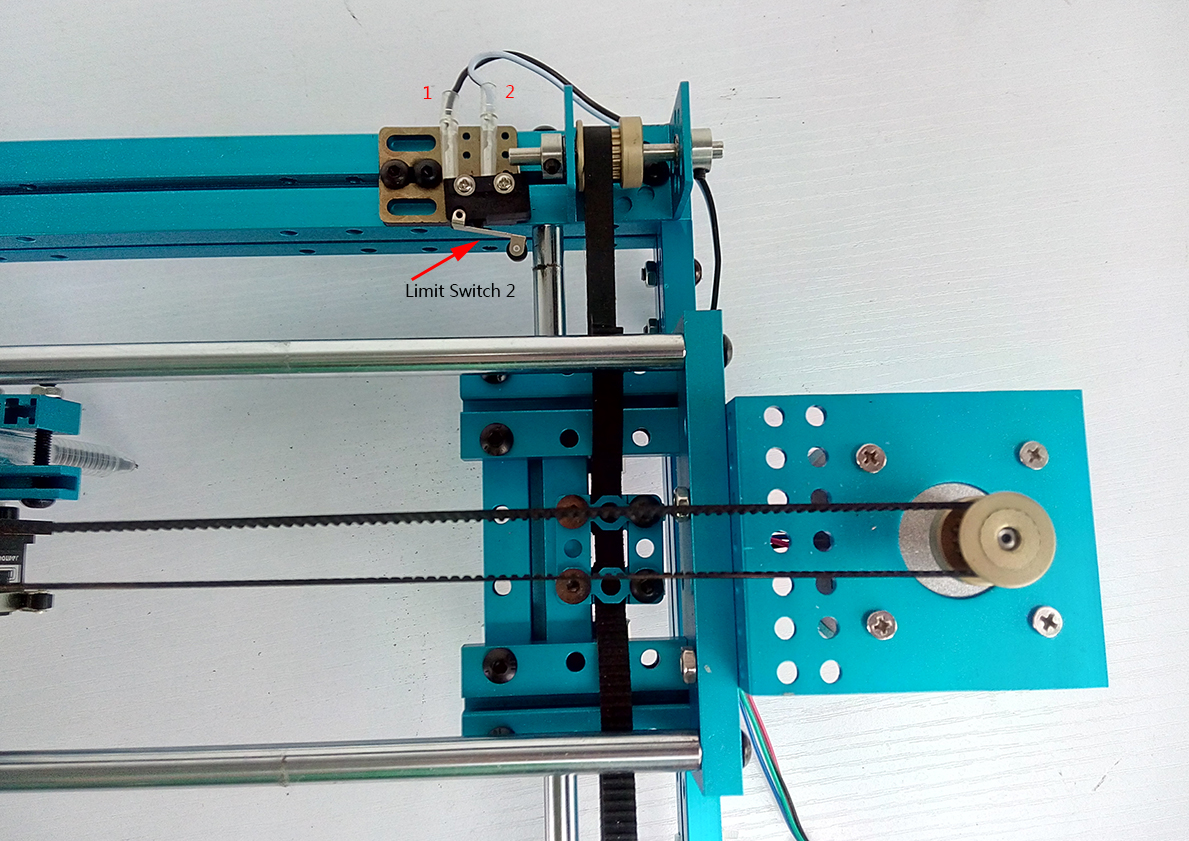


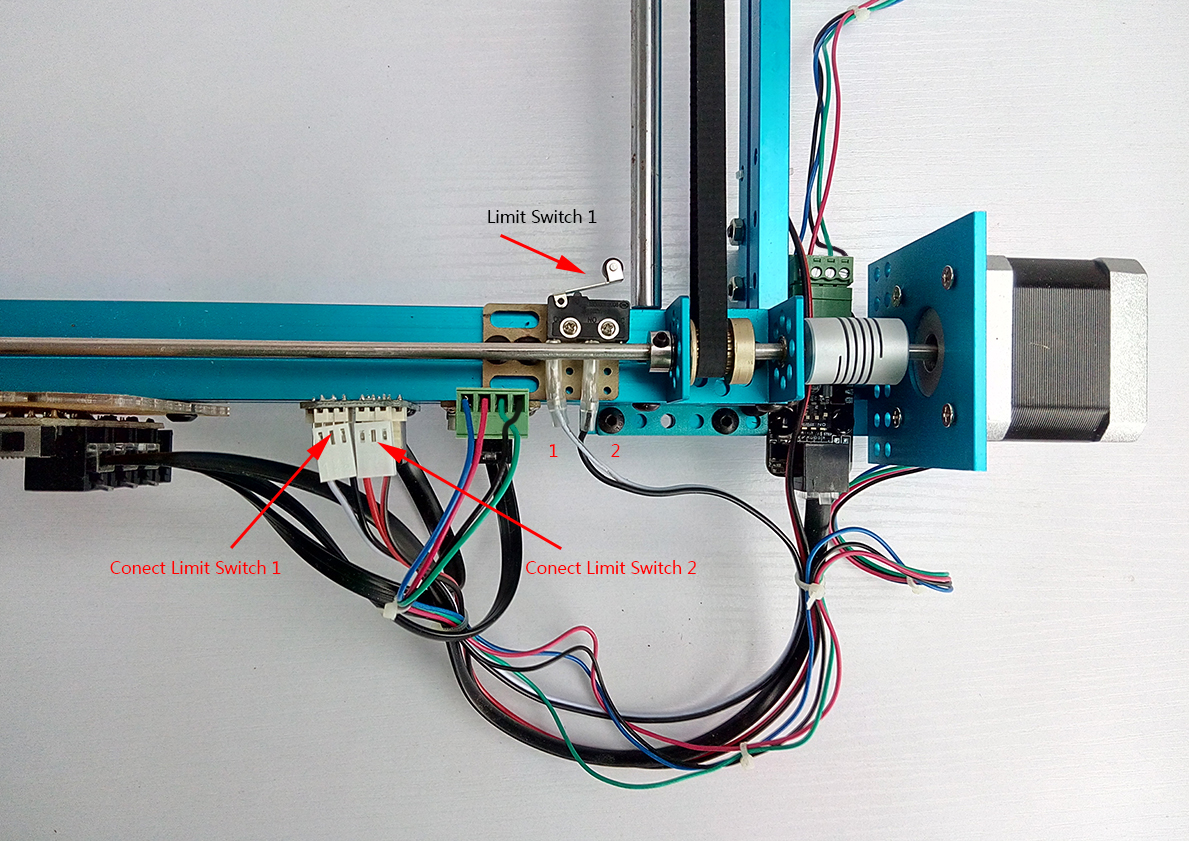


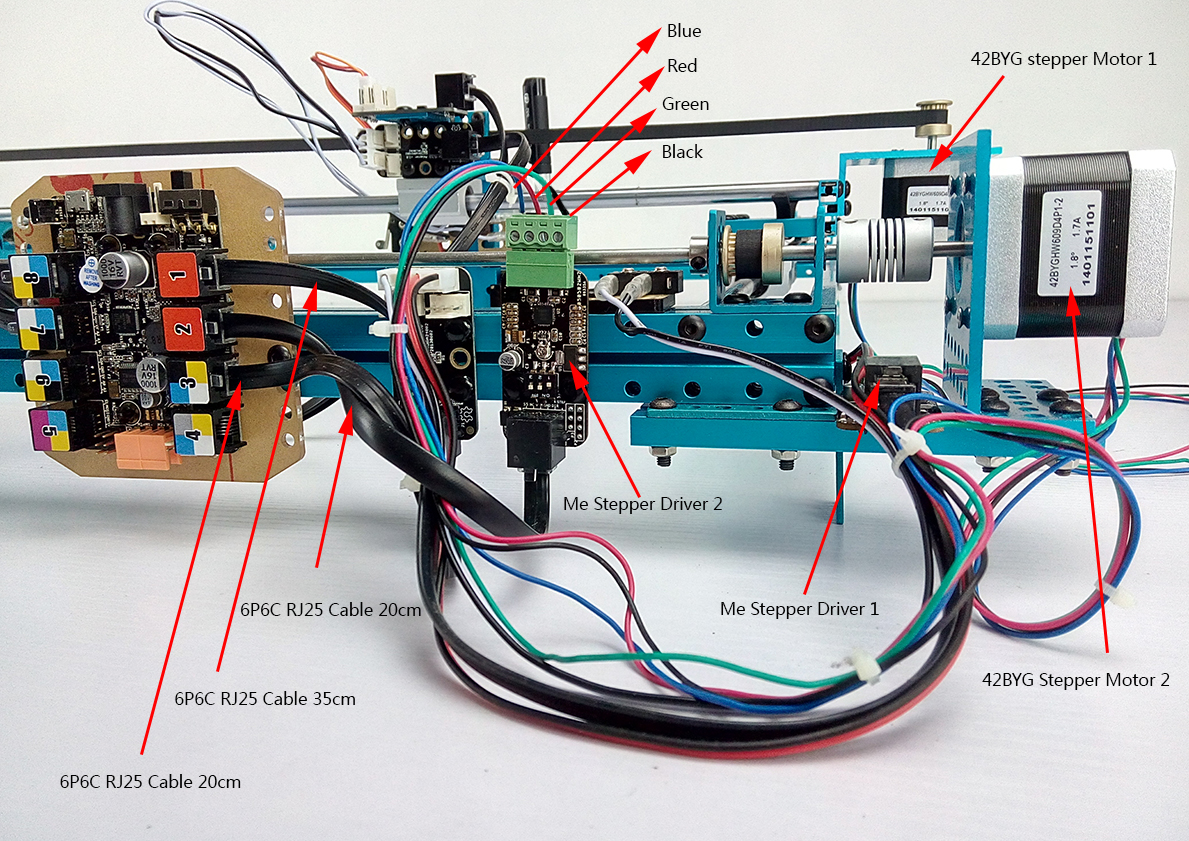


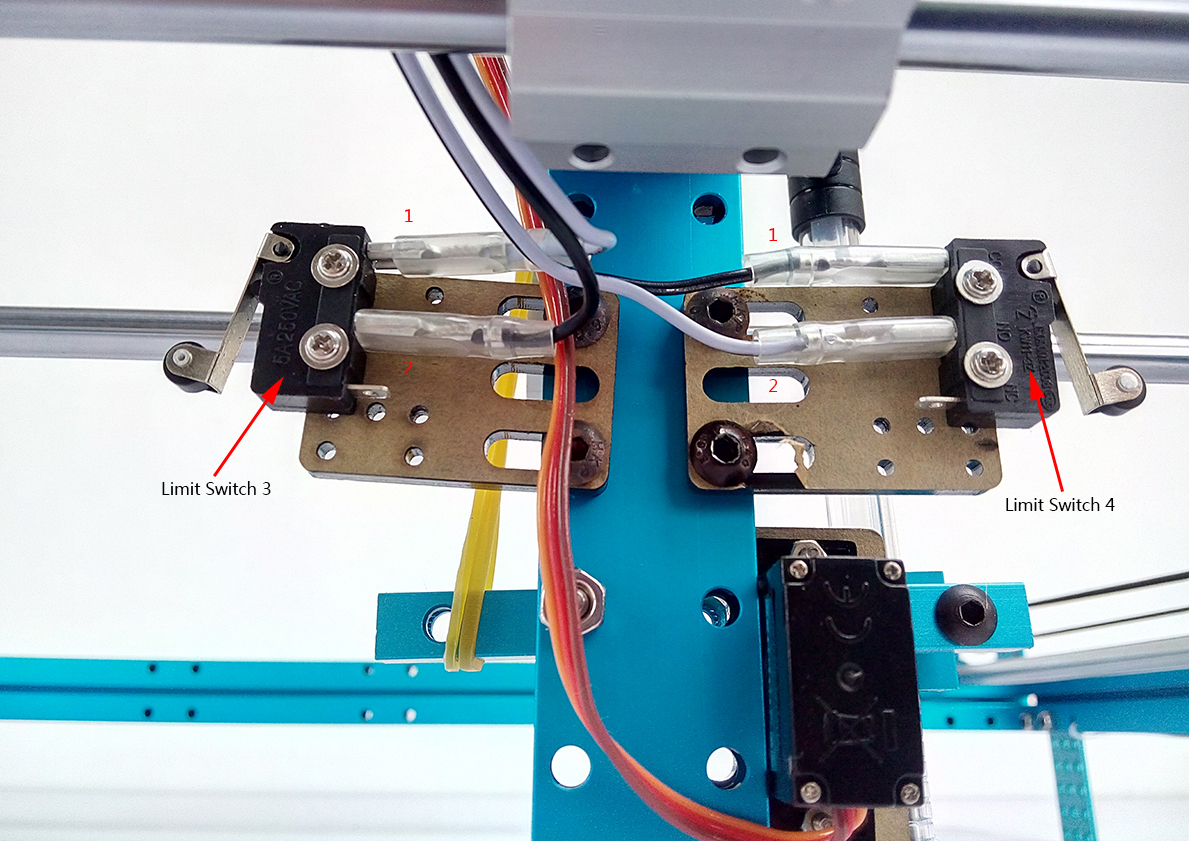

Limit Switch 2
42BYG Stepper Motor 1
Limit Switch 3
Limit Switch 4
Me RJ25 Adapter 3
Me RJ25 Adapter 2
Limit Switch 1
42BYG Stepper Motor 2
Me Stepper Driver 1
Me Baseboard
Me Stepper Driver 2
Me RJ25 Adapter 1

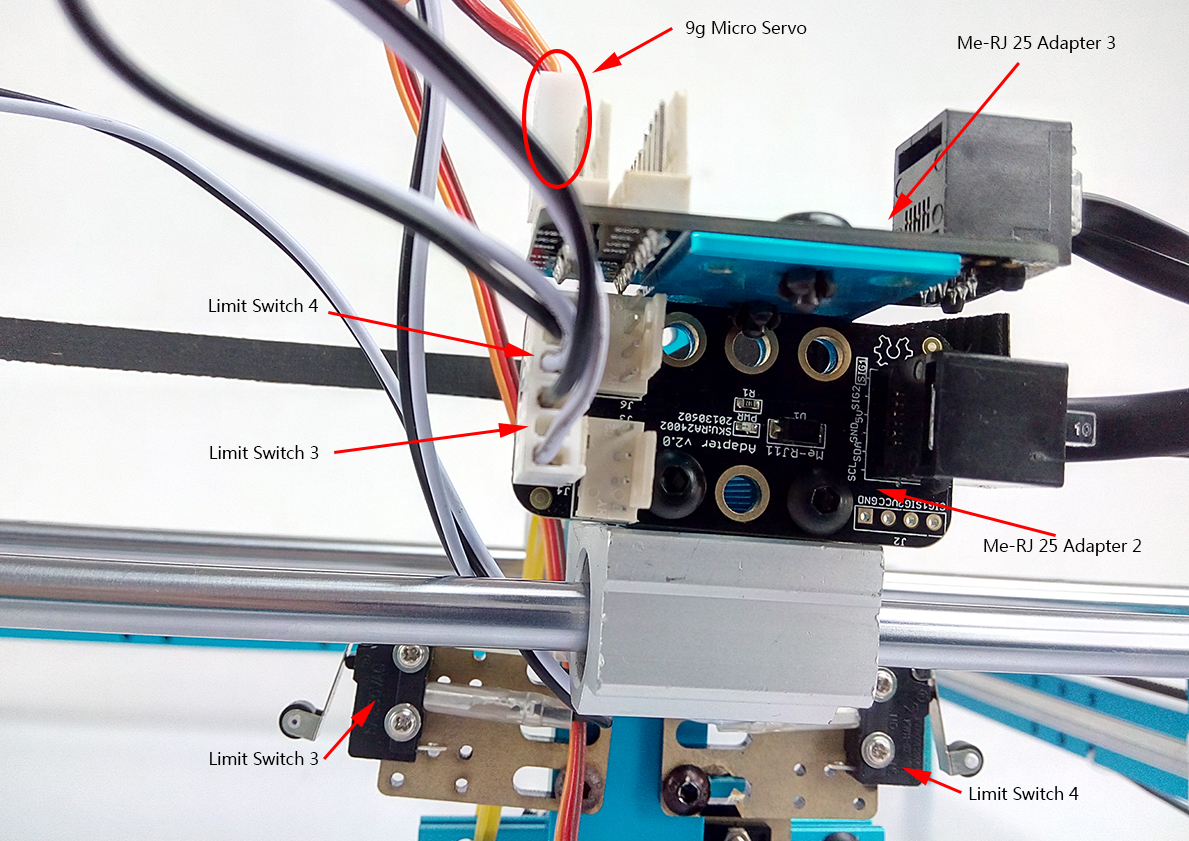

Limit Switch 1
Limit Switch 2
Me RJ 25 Adatpter 1
6P6C RJ25 Cable-20cm
Me Baseboard Port3
Limit Switch 3
Limit Switch 4
Me RJ25 Adatpter 3
6P6C RJ25 Cable-50cm
Me Baseboard Port8
9g Micro Servo
Me RJ25 Adatpter 2
6P6C RJ25 Cable-50cm
Me Baseboard Port7
42BYG Stepper Motor 1
Me Stepper Driver 1
6P6C RJ25 Cable-35cm
Me Baseboard Port1
42BYG Stepper Motor 2
Me Stepper Driver 2
6P6C RJ25 Cable-20cm
Me Baseboard Port2

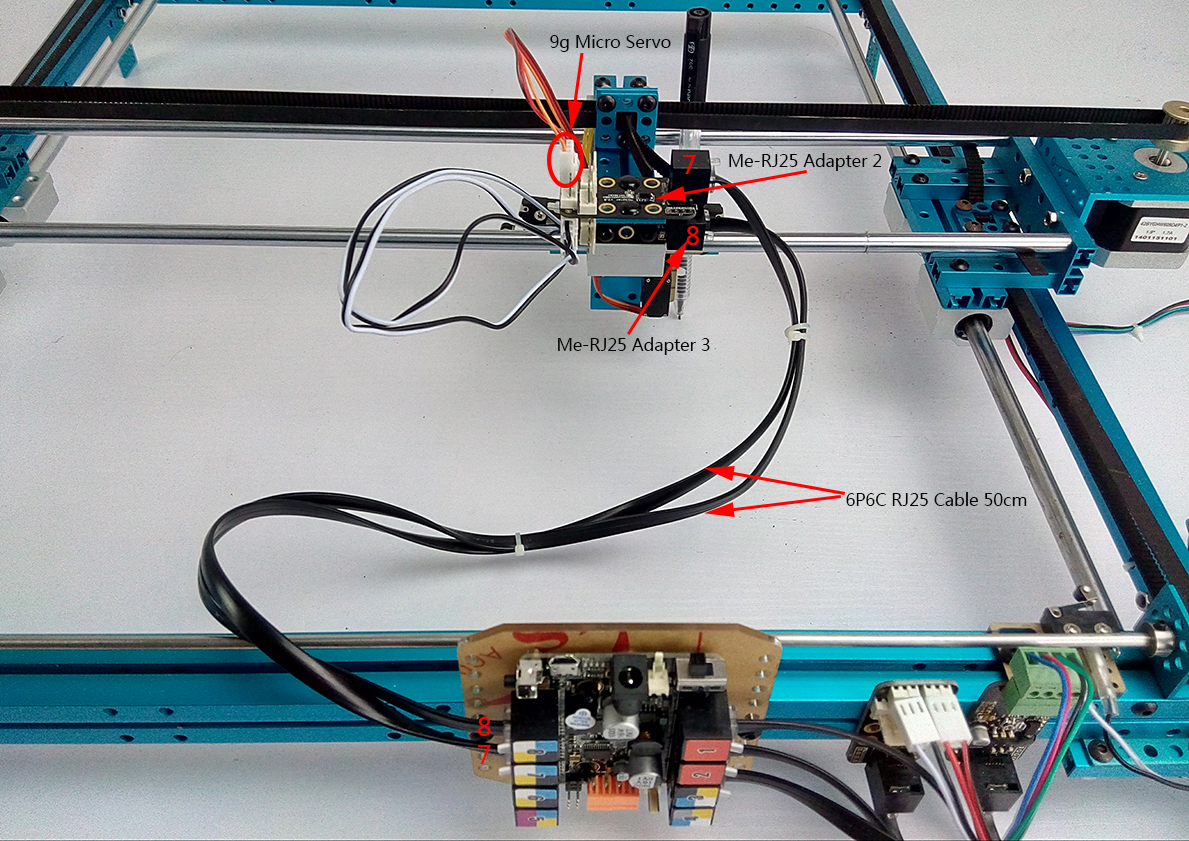

1
2
Limit Switch 2

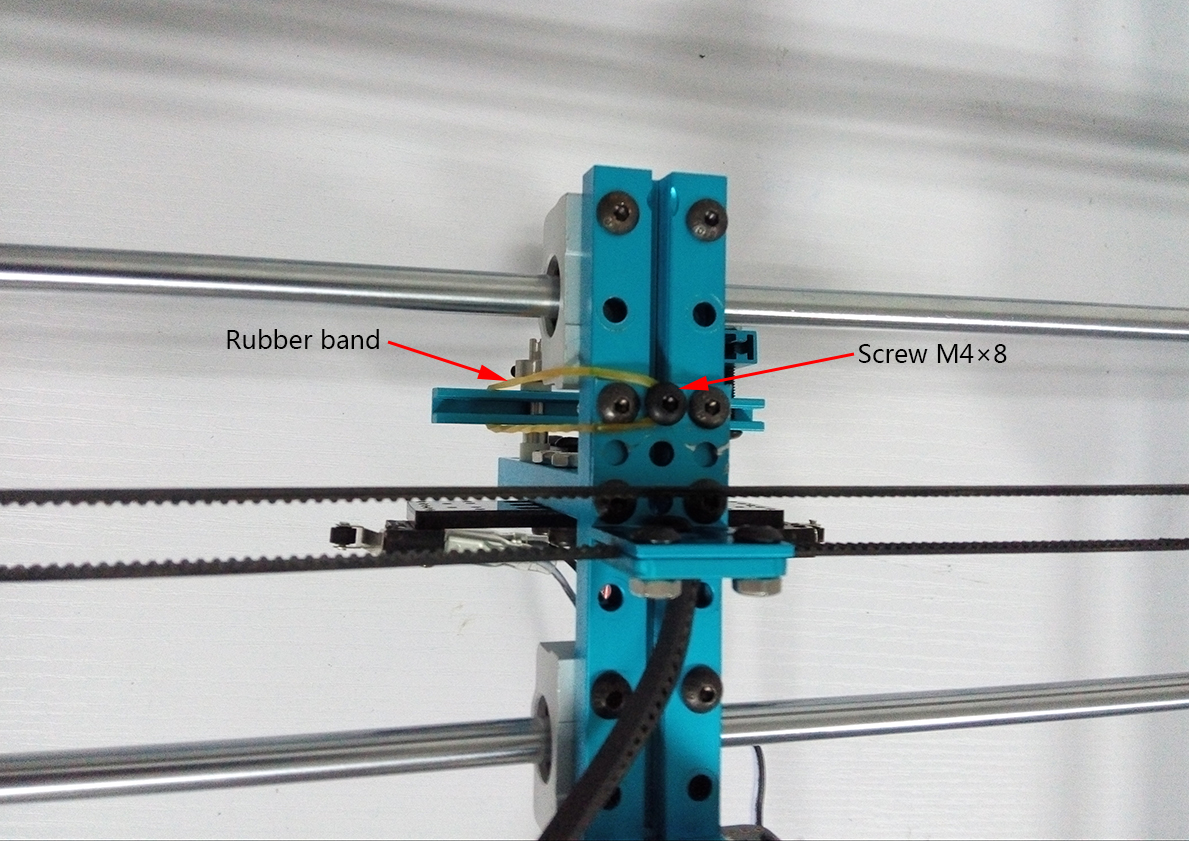

Limit Switch 1
1
2
Conect Limit Switch 1
Conect Limit Switch 2


Blue
Red
Green
Black
42BYG stepper Motor 1
Me Stepper Driver 2
6P6C RJ25 Cable 20cm
Me Stepper Driver 1
6P6C RJ25 Cable 35cm
42BYG Stepper Motor 2
6P6C RJ25 Cable 20cm


1
2
1
2
Limit Switch 3
Limit Switch 4


9g Micro Servo
Me-RJ 25 Adapter 3
Limit Switch 4
Limit Switch 3
Me-RJ 25 Adapter 2
Limit Switch 3
Limit Switch 4


9g Micro Servo
7
Me-RJ25 Adapter 2
8
Me-RJ25 Adapter 3
6P6C RJ25 Cable 50cm
8
7


Rubber band
Screw M4×8

Makeblock

Construct Your Dreams

www.makeblock.cc