HERMIT CRAB

Hermit Crab

The Hermit Crab is an innovative new system for the printer. It is upgraded by R&D team of Shenzhen Big Tree Technology Co., Ltd. It is an alternative of the traditional BOM slider on the X-axis. Attached to the linear rail, it can mount various hot ends. So that the printing perform more accurate and smooth.

Features:

- ★ Upgrade of traditional BOM slider / Smoother moving
- ★ Compatible with various hot ends, such as nozzles, laser heads and CNC cutter heads
- ★ High motion precision and excellent printing performance.
- ★ With spring clips, easy to install and remove
- ★ High adaptability, with multiple ports and fixed holes.

Recommended linear rails for the following printers

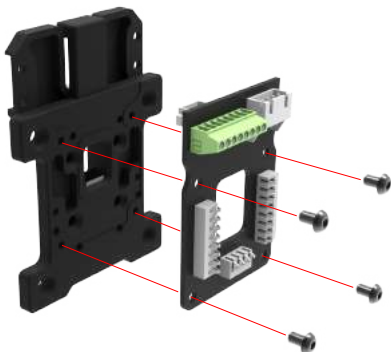|	Ender_3	Ender_3 V2	CR-6 SE	BIQU-B1-SE-PLUS	BIQU-BX	Other
MGN12H Linear Rail	310mm	320mm	345mm	400mm	330mm	TBD

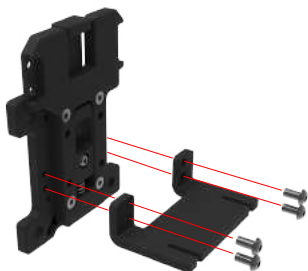Install the linear rail to the X-axis of the printer.

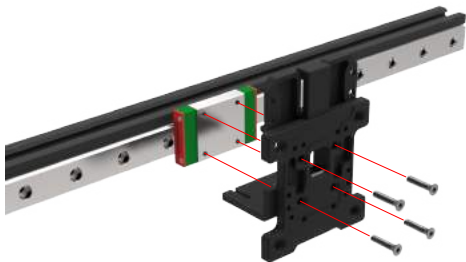Press the button to loosen the upper part as shown
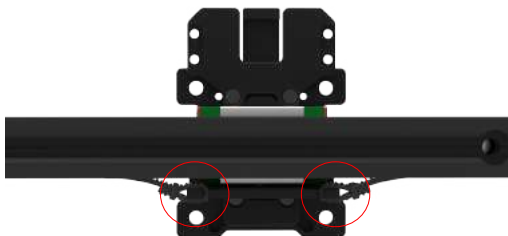
Remove the PCB board as shown
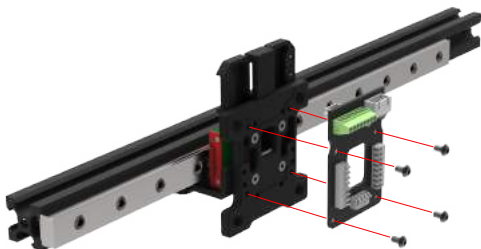
Install the timing belt mounting bracket

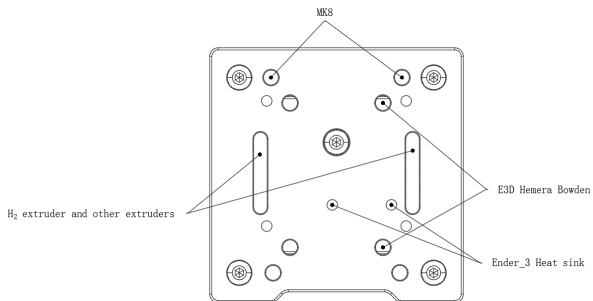Attach the above mobile plate to the slider

Install the timing belt

Mount the PCB board using the 4 screws
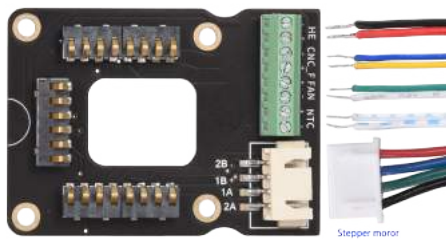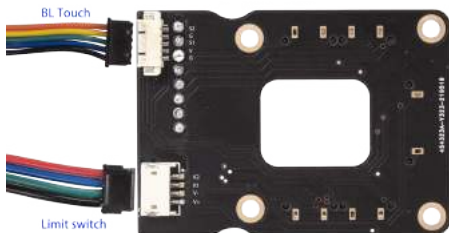
Installing the fixed plate

MKS

H_2 extruder and other extruders

E3D Hemera Bowden

Ender_3 Heat sink

Hermit Crab can mount nozzles, laser heads, CNC cutter heads and so on.

PCB-F

BL Touch

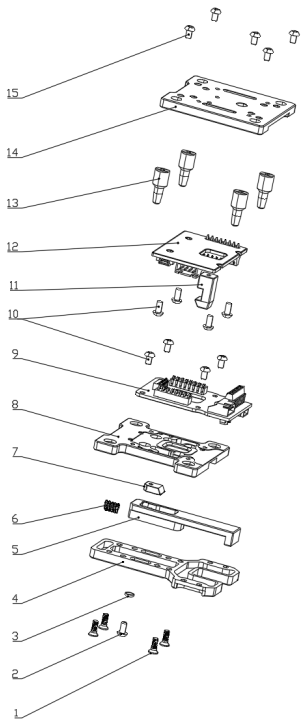Limit switch

HE
CNC-C FAN
NTC

2B
1B
1A
2A

Stepper maror

PCB-M
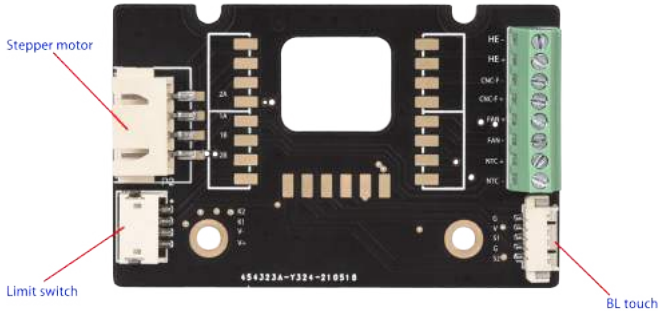
① HE： Heating rod interface

② CNC-F： Controllable fan interface

③ FAN: Normal fan interface

④ NTC: Thermistor interface

⑤ For 2 two-phase four-wire stepper motors

⑥ Limit switch interface

⑦ BL Touch interface

The interfaces on the PCB board works on the print nozzles, BL Touch level and limit switch.

15. M3x6 dome head screw M3x6

14. Fixed plate

13. Positioning pins

12. PCB-M

11. Barb block

10. M3x6 bolt

9. PCB -F

8 Mobile block

7. Pull hook

6. Spring

5. Slider

4. Slide fixed plate

3. M3 spring spacer

2. M3x6 dome head screw

1. M3x8 countersunk screw

HERMIT CRAB

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