

## Print head fy36 for Kingroon KP3S



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### Summary

Lightweight print head to fix Dragon Hotend, Sherpa-mini, 3010 / 5015 Fan and Panasonic GX-H8A or B for Kingroon KP3S

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(Google translated English)

I designed and shared a lightweight print head mounter to fix V6Hotend, Sherpa-mini, 3010 Hotend Fan, 5015 Section Fan and Panasonic GX-H8A or B Probe for Kingroon KP3S. An X belt tension adjustment mechanism, X head position fine adjustment mechanism, and acceleration sensor board mounting hole are also provided on the back of the print head.

Some parts are M3 tapped, so we recommend purchasing a tap drill set even if it is inexpensive.

Reference URL(JPN): <https://amzn.to/43nC3Xj>

Processing example: [https://www.youtube.com/watch?v=5AMY5ZxE\\_U4](https://www.youtube.com/watch?v=5AMY5ZxE_U4)

It seems that the following screws are used except for the Sherpa-mini part, so I designed it so that it can be distributed and covered with a general button bolt set.

Reference URL(JPN): <https://amzn.to/445JB20>

M3x8 3pcs

M3x10 4pcs

M3x12 1pcs

M3x14 2pcs

M3x16 4pcs  
M3x20 5pcs  
M3nut 1pcs  
M3insert nut 4pcs

The description of [probe] on Klipper by attaching Panasonic GX-H8A or B is as follows.

Reference URL(JPN): <https://www.monotaro.com/p/4711/0427/>

[probe]

## Inductive Probe - If you use this section , please comment the [bltouch] section

pin: ^!PC4 # Added "!" for non-proximity ON, no ! for non-proximity OFF. ^ is a pull-up specification (when turned ON - connected sensor)

x\_offset: 0 # X distance between nozzle and sensor

y\_offset: -19.4 # Y distance between nozzle and sensor

samples: 2 # number of samples for each point

samples\_result: median # how each sample is calculated:

median=median, average=average

sample\_retract\_dist: 1.0 # Height (mm) to lift the tool head between each sample. Detection does not turn off unless distance is taken by the sensor

samples\_tolerance: 0.006 # Tolerance between samples (mm). Retry operation when the variation exceeds this value.

samples\_tolerance\_retries: 2 # number of sample retries

z\_offset: 1.2 # Increasing the value moves the nozzle closer to the bed.

For details on installing probes, please refer to Eitoku's article below.

(JPN) [https://note.com/eitoku\\_note/n/n0dcc3f176f32](https://note.com/eitoku_note/n/n0dcc3f176f32)

Moyashi's article below is recommended for adjusting Klipper using the accelerometer.

(JPN) [http://hitoriblog.com/kingroon\\_kp3s/docs/tuning\\_klipper\\_using\\_an\\_accelerometer/](http://hitoriblog.com/kingroon_kp3s/docs/tuning_klipper_using_an_accelerometer/)

Kishi Sangyo's article below is recommended for the entire review of Klipper's printer.cfg.

(JPN) <https://note.com/tcbjr8d/n/nf9b6892c5f1a>

For the Sherpa-mini part, he will be a wonderful extruder created by Annex-Engineering. Please refer to the following for reference, reuse, and redistribution of various data such as 3D data.

[https://github.com/Annex-Engineering/Sherpa\\_Mini-Extruder](https://github.com/Annex-Engineering/Sherpa_Mini-Extruder)

<https://store.annex.engineering/>

<https://discord.gg/MzTR3zE>

<https://github.com/Annex-Engineering/ANNEX-Engineering-License-Agreement/blob/main/LICENSE.md>

(Original Japanese)

Kingroon KP3S      Dragon Hotend, Sherpa-mini, 3010 Hotend Fan    5015  
Section Fan, Panasonic GX-H8A or B Probe

X

X

M3

URL:<https://amzn.to/43nC3Xj>

:[https://www.youtube.com/watch?v=5AMY5ZxE\\_U4](https://www.youtube.com/watch?v=5AMY5ZxE_U4)

Sherpa-mini

URL:<https://amzn.to/445JB20>

M3x8 3pcs

M3x10 4pcs

M3x12 1pcs

M3x14 2pcs

M3x16 4pcs

M3x20 5pcs

M3nut 1pcs

M3insert nut 4pcs

Panasonic GX-H8A or B

Klipper    [probe]

URL:<https://www.monotaro.com/p/4711/0427/>

[probe]

## Inductive Probe - If you use this section , please comment the  
[bltouch] section

pin: ^!PC4 #    ON "!"    OFF !    ^    (ON    -    )

x\_offset: 0 #    X

y\_offset: -19.4 #    Y

samples: 2 #

samples\_result: median #    : median=    average=

sample\_retract\_dist: 1.0 #    (mm)    OFF

samples\_tolerance: 0.006 #    (mm)

samples\_tolerance\_retries: 2 #

z\_offset: 1.2 #

Eitoku

[https://note.com/eitoku\\_note/n/n0dcc3f176f32](https://note.com/eitoku_note/n/n0dcc3f176f32)

Klipper    moyashi

[http://hitoriblog.com/kingroon\\_kp3s/docs/](http://hitoriblog.com/kingroon_kp3s/docs/)

[tuning\\_klipper\\_using\\_an\\_accelerometer/](#)

Klipper printer.cfg

<https://note.com/tcbjr8d/n/nf9b6892c5f1a>

[https://github.com/Annex-Engineering/Sherpa\\_Mini-Extruder](https://github.com/Annex-Engineering/Sherpa_Mini-Extruder)

<https://store.annex.engineering/>

<https://discord.gg/MzTR3zE>

<https://github.com/Annex-Engineering/ANNEX-Engineering-License-Agreement/blob/main/LICENSE.md>

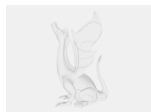
## This remix is based on



### Print head fy38 for Kingroon KP3S

by Yohei Fukuma

## Model files



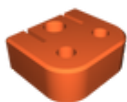
**pusher-x-limit-kp3s-fy41-v8-export.stl**



**holder-dragon-kp3s-fy41-export.stl**



**housing-front-sherpa-mini-5015-fan-02a-v2-export.stl**



**tensioner-printhead-fy41-export-export.stl**



**duct-partsfan-5015-fy36-export.stl**



duct-partsfan-fy36-5015dragon-v3.f3d



print-head-fy36-sherpagxh8dragon5015-v28-kp3s.step

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