



## SS40 or SS41 Hall Effect Sensor Housing



Plexi

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### Summary

This is a housing for SS40 or SS41 type Hall Effect Position Sensors. It will also work with other sensors using the...

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Tags: [magnet](#) [sensor](#) [sensormount](#) [tachometer](#) [sensors](#)  
[machtach](#) [ss40](#) [ss41](#)

This is a housing for SS40 or SS41 type Hall Effect Position Sensors. It will also work with other sensors using the same package style. These sensors use a small transistor like package that is difficult to mount. This housing allows the sensor to be soldered to the end of a 5 mm diameter cable and then slid into the housing and glued in place. The face where magnetic flux is applied pokes through a window in the face of the housing. Gluing the sensor in place is optional because the 5 mm cable should fit tight in the housing and hold the sensor into its pocket. A drop of glue or hot glue should be used to keep the 3 wires from shorting together before inserting the sensor into the housing. This housing can be printed in PLA or for harsh environments ABS or PETG can be used.

I often soften the edges of the sensor with 320 grit sandpaper so that the sensor can slide and snap into place inside the housing. Otherwise it can tend to hang up when sliding into place.

The completed sensor can be mounted with two 4-40 or 3 mm screws.

This sensor works with the MachTach machine tachometer. <https://www.thingiverse.com/thing:3352007>

## Print Settings

### Printer:

HyperCube

### Rafts:

No

### Supports:

No

### Resolution:

0.1mm

### Infill:

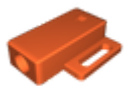
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### Notes:

You should be able to print this without supports.

Category: Electronics

## Model files



halleffectsensensorhousingv4.stl

[Find source .stl files on Thingiverse.com](https://www.thingiverse.com/thing:3352007)

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