Prusa i3 MK4 and MK4S Heatbed Cable Cover 60 Degree (60°) for Enclosures

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VIEW IN BROWSER

Summary

Heatbed cable cover and optional holder for the Prusa MK4 and MK4S based on the original part.

3D Printers   >   Prusa Parts & Upgrades

Tags: prusai3   enclosure   heatbed   mk4   prusai3mk4

TL;DR: Print the top, print one of the two bottom parts, and optionally print the cable holder.

This heatbed cable cover and holder is based on the original Prusa part. It keeps the exact dimensions for hardware, LED viewing window, cable strain relief, nylon mount, and the passthrough box for the thermistor wires. It is essentially the same as the Prusa but with a 60 degree exit angle to the right.

The goal was to preserve as much as the original part and use the original mounting hardware. By keeping the dimensions developed by Prusa for the strain relief features, it should secure the cables just like the original part and without undue stress. It also does not require rotating the

heatbed wires; it uses the positions as indicated by the assembly instructions.

Depending on how your extruder and heatbed cables are run, there may be contact now with the bundles, but it should be light and only at the extremes of the print bed dimensions. Use the optional cable holder to eliminate interference.

For direct replacement: print, remove the heatbed cables from the Buddy Box, remove old cover, swap over the hardware, install new cover, and finally re-install the heatbed cables. Follow the printer assembly manual for detailed instructions.

For version with cutout: print, remove old cover, swap over hardware, install new cover.

I printed it using the same presets as the original Prusa part: 0.2mm PETG preset for i3 or i4.

Update Aug 30, 2025:

MK4S version of the cable holder now available. MK4S has a combined the Wi-Fi cover and heatbed cable holder so I pulled in the new Prusa design. The MK4S cable holder will also work on the MK4.

Bottom half with thermistor wire cutout now available for those that want to trade some rigidity for not having to undo the wire bundle and re-run the thermistor wires.
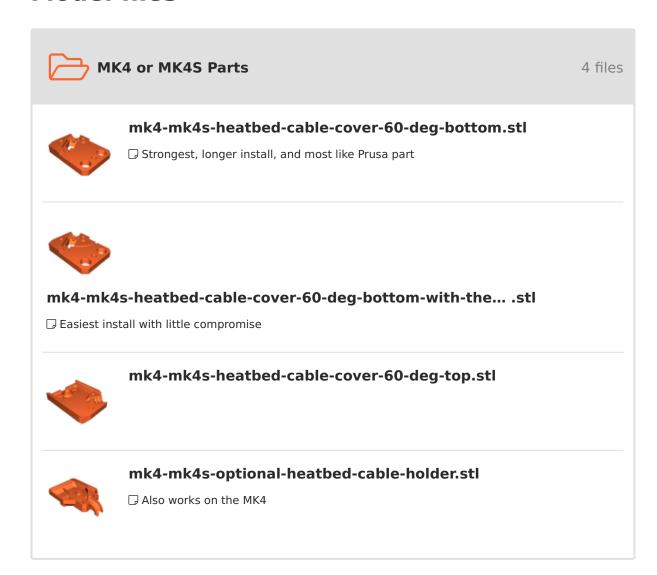
Update Sep 9, 2023:

I found a print path that will rub the cable bundles more than I like so an optional cable holder has been added for the back of the Buddy Box to eliminate interference. Print both parts and press fit assemble. It is a direct fit replacement for the Prusa part and is finished off with a ziptie to hold the cable in place.
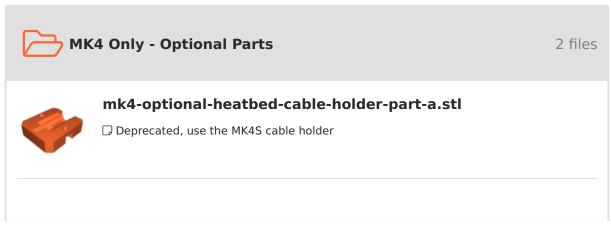
This remix is based on

MK4S/MK3.9S printable parts

by Prusa Research

MK4/MK3.9 printable parts

by Prusa Research

Model files

📁 **MK4 or MK4S Parts**   4 files

mk4-mk4s-heatbed-cable-cover-60-deg-bottom.stl

📝 Strongest, longer install, and most like Prusa part

mk4-mk4s-heatbed-cable-cover-60-deg-bottom-with-the… .stl

📝 Easiest install with little compromise

mk4-mk4s-heatbed-cable-cover-60-deg-top.stl

mk4-mk4s-optional-heatbed-cable-holder.stl

📝 Also works on the MK4

📁 **MK4 Only - Optional Parts**   2 files

mk4-optional-heatbed-cable-holder-part-a.stl

📝 Deprecated, use the MK4S cable holder

mk4-optional-heatbed-cable-holder-part-b.stl

🗋 Deprecated, use the MK4S cable holder

📁 **Project Files**	1 file

mk4-mk4s-heatbed-cable-cover-all-parts.3mf

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