



## Multi Material Flaps for Split-flap counter



Celta

[VIEW IN BROWSER](#)

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### Summary

Flaps for Split-flap counter ready for Multi-Material printers



2.60 hrs



1 pcs



0.20 mm



0.40 mm



PLA



28 g



Prusa  
MK3S/S+ &  
MMU2S

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Tags: [counter](#) [counters](#) [split](#) [flap](#) [flaps](#)

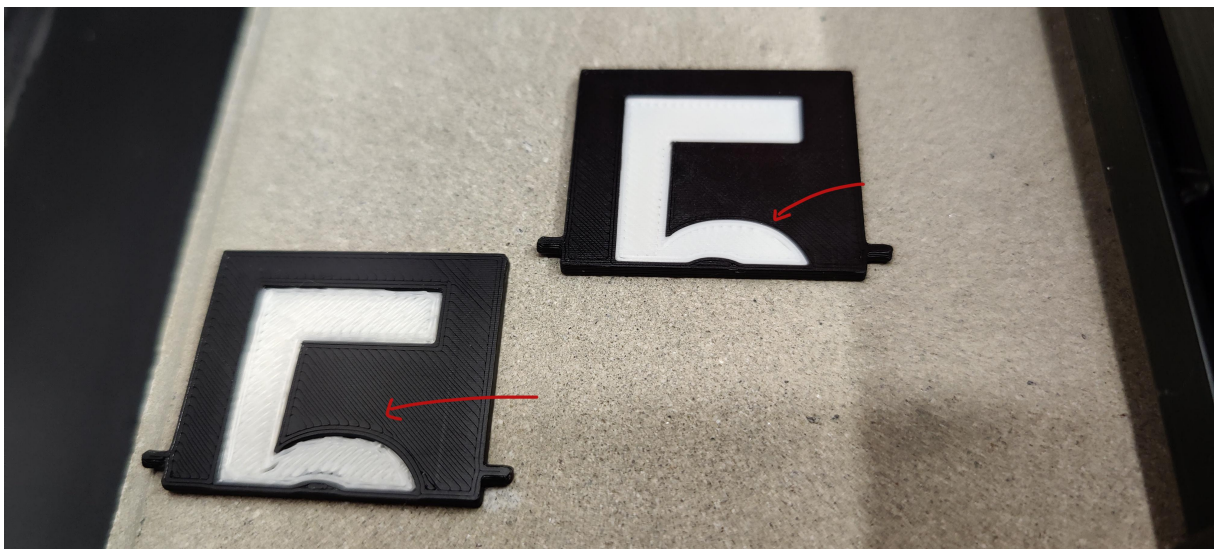
I really liked [Thomas H. design](#), and since I have a Multi-Material printer I didn't do the colour changing method, instead I used the Multi-Material painting feature on PrusaSlicer.

That printed nicely, leaving the parts with multiple colours without the usual colour change on the sides.



↳ Colour change feature (Left) vs Multi-Material painting feature (Right)

However, since the model was designed for the colour change method, i.e. having the number appear at a different layer height, that meant that there was a gap when printing the number on the bottom (0.2mm) and that layer wouldn't end up very pretty.



↳ Original model with 0.2mm gap (Left) vs Multi-Material model without gap (Right)

In order to avoid that I remixed the flaps part.

## Changes

- Removed the gap (0.2mm) - Better first layer, no longer possible normal colour change
- Separated the numbers from the flaps as new objects - Possibility to add different colours to objects on Multi-Material mode.

## Credits

Split-flap counter - Fully printable by Thomas H.

## This remix is based on



**Split-flap counter - Fully printable**  
by Thomas H.

## Model files



**flaps.3mf**

📄 v3

## Print files



**flaps\_02mm\_pla\_mk3smmu2s\_2h36m.gcode**

🌀 PLA 📏 0.40 mm 📐 0.20 mm ⌚ 2.60 hrs ⚖️ 28 g

🖨️ Prusa MK3S/S+ & MMU2S

📄 Two colours used, First one: Flaps, Second one: Numbers

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