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## SIMPLE AND RELIABLE LID OPEN/CLOSE DETECTION

HP INC

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## SIMPLE AND RELIABLE LID OPEN/CLOSE DETECTION

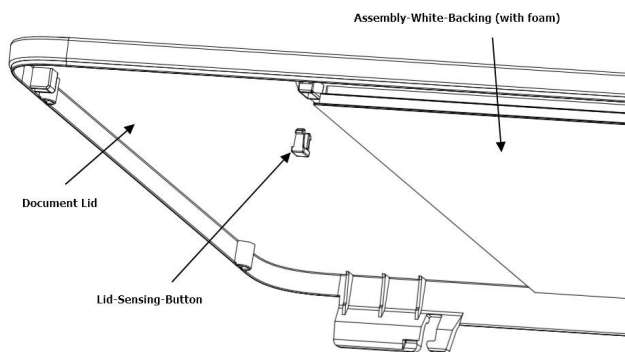
The existing lid open/close detect solution has complexity in assembling and required a bigger space on the product.

This invention addresses this complexity by redesigning the lid open/close detection mechanism. Instead of using tiny spring - mechanical flag, we incorporate new design into the bezel and backing to detect lid open/close status. By using this design, you will:

- A) Eliminate the complex part assembly during manufacturing
- B) Reduce the printer product width by 4mm
- C) Cost saving by ~\$0.0403 (4in1 Assembly) and ~\$0.1846 (FB only Assembly)

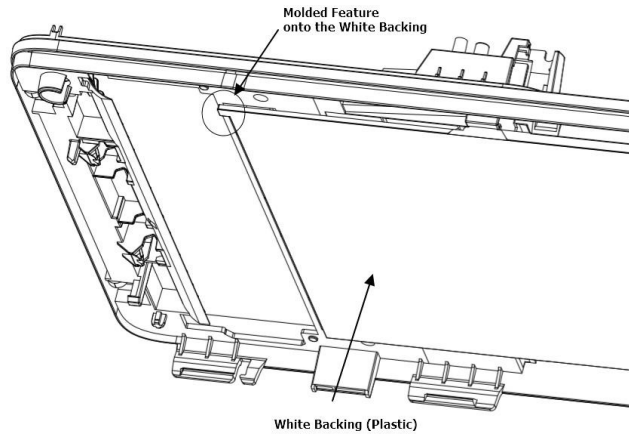
### For Flatbed Assembly.

Snap the Lid-Sensing-Button onto the Document Lid



### For ADF Assembly

The feature to detect the lid is molded onto a plastic white backing



***Disclosed by How Young Chua, Siew Hong Lam, Sai Horng Soo and  
Karthikeyan Natarajan, HP Inc.***