**Requirements**

**Date:** 1/9/24

**Project Name:** Tactile On/Off Switch Button

**Responsible:** D. Shlenkevitch

**What the prototype should do?**

The prototype replaces the on/Off mechanical switch with tactile button.

**What are the must have features?**

* The dimensions should be as small as possible
* The voltage input/output should be 0-12V
* The current should be up to 2A
* Screw terminals for input and output
* LED as visual indicator for power
* Mounting from the outer part of the panel

*Nice to have features*

* Ability to add different type of tactile switches
* Ability to mount from inner part of the panel

**What are the limitations?**

* Dimensions: Below 20 x 20 mm
* Price: Low price is needed, for mass production the BOM < 1$
* Specific components: N/A

**Is any regulation compliance required?**

* N/A

**Are there any other requirements?**

* N/A