

## SIMtrace 2 - Feature #1911

Feature # 1706 (In Progress): Hardware / Circuit board update for SAM3S based SIMtrace2

### check if we can have an enclosed version of simtrace v2

01/12/2017 12:52 PM - laforge

<b>Status:</b>	New	<b>Start date:</b>	01/12/2017
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	tsaitgaist	<b>% Done:</b>	0%
<b>Category:</b>	hardware		
<b>Target version:</b>	PCB v2		
<b>Description</b>			
It would be nice to have an enclosed device rather than a bare PCB. Let's review that option for v2 hardware.			

### History

#### #1 - 01/12/2017 12:53 PM - laforge

- Target version set to SIMtrace\_v2

#### #2 - 01/12/2017 01:02 PM - laforge

- Checklist item [ ] figure out FPC connection for enclosed device added  
Checklist item [ ] move LEDs to right PCB edge with light guides for external visibility added  
Checklist item [ ] remove bootloader button added  
Checklist item [ ] add externally accessible erase button to get back into SAM-BA added

#### #3 - 08/09/2018 12:14 PM - laforge

- Category set to hardware

#### #4 - 08/24/2018 12:43 PM - laforge

- Assignee changed from laforge to tsaitgaist

#### #5 - 08/25/2018 05:32 PM - laforge

In terms of enclosures that are somewhat resembling the current PCB size (85x55):

- <https://www.hammmfg.com/electronics/small-case/plastic/1553> (95x48, 109x61, 139x67)
- <https://www.hammmfg.com/electronics/small-case/plastic/1593>
- <https://www.hammmfg.com/electronics/small-case/plastic/1591xx> (e.g. 101x57)
- <https://www.hammmfg.com/electronics/small-case/plastic/1599> (123x53)
- <https://www.okw.com/en/Soft-Case/A9051107.htm> (96x56)
- <https://www.bopla.de/en/enclosure-technology/product/bopad/bopad-enclosures/bop-500-9005.html> (115x64)

#### #6 - 08/26/2018 12:41 AM - demodulate

A modern cell phone case or a small wallet attachment to the back of a phone case may be useful for collecting samples during normal use. It would allow for regular phone use with stand alone SIMtrace2 monitoring all SIM traffic. It could also allow for easy access to the USB port for real time analysis or power while the phone is in normal use. An example of a case that might fit if designed for the proper size of the board might be a "Vofolen Impact Resistant Protective Shell" or similar. It does not have access lines for a sim shim cable or usb and this would be an additional design consideration.

**#7 - 08/27/2018 07:05 AM - laforge**

- Target version set to PCB v2

**#8 - 09/13/2018 12:40 PM - mschramm**

[tsaitgaist](#) : did you check those enclosures (links above), do you already have preferred candidates?  
I ask because of the overall PCB space and whether we need or want to have any mounting holes.