

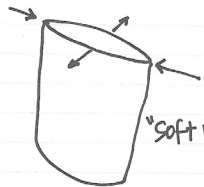
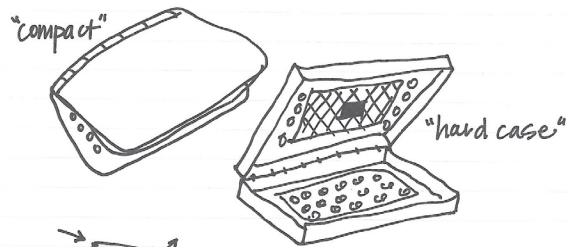
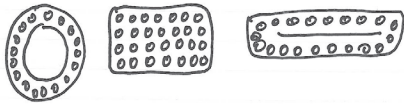


DESIGN FOR DIY  
SARAH HIRSCHMAN  
MARCH 22, 2012

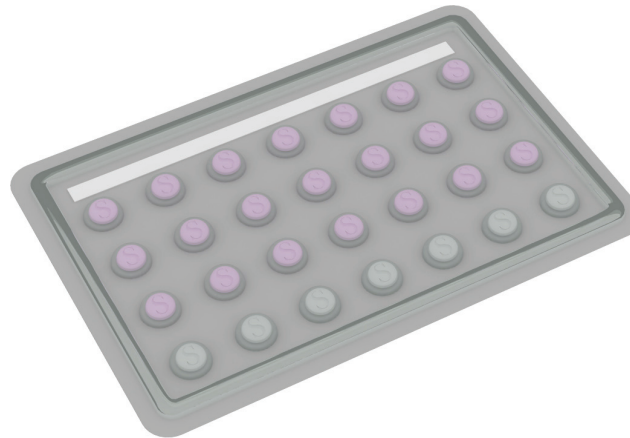
- ① Birth control case / timer / glowing
- ② e-book reader light (only e-ink limited usability.)
- ③ lamp / reconfigurable position
- ④ Intercom / walkie-talkie / baby monitor

# ① BIRTH CONTROL CASE W/ GLOWING ALARM.

(problem → diversity of shapes...)



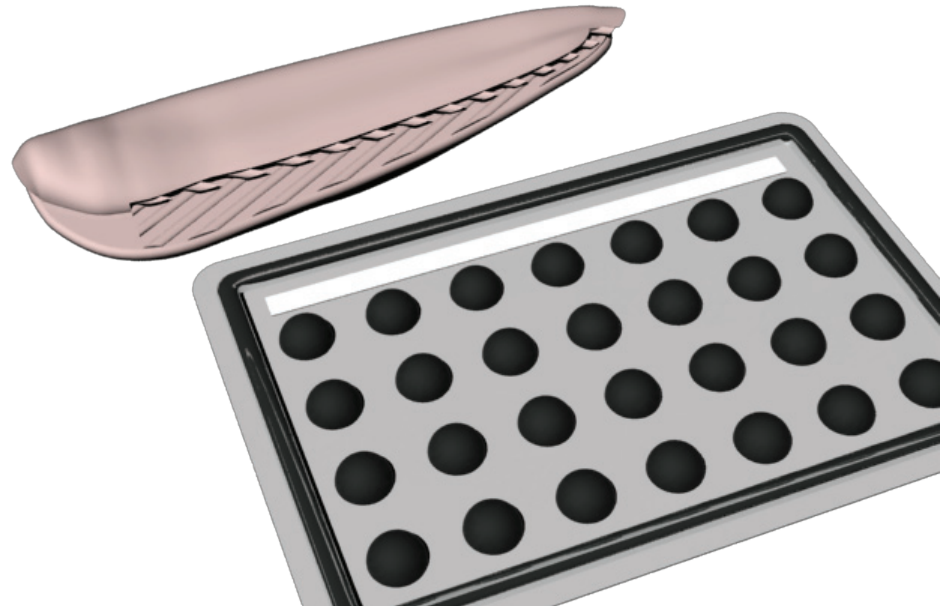
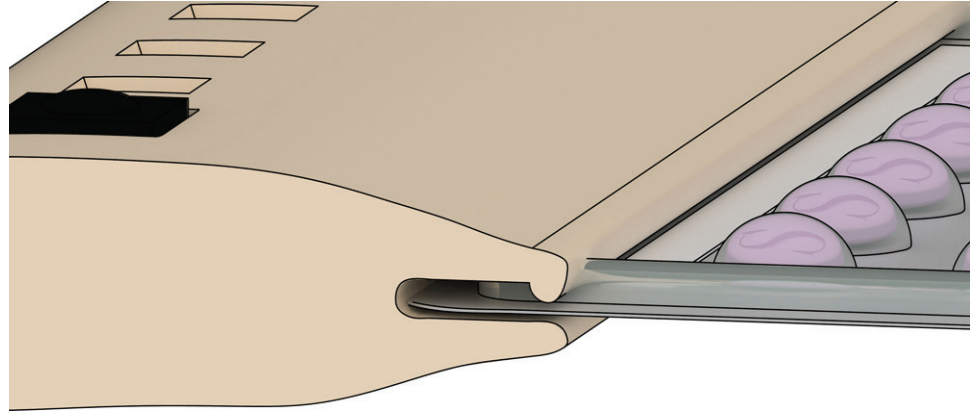
- ① Accommodates different shapes
  - ② Clock programmed to turn LEDs on every 24 hours.
  - ③ Opening case turns LEDs off.
- OR button push / squeeze.



## 1. GOAL OF PROJECT

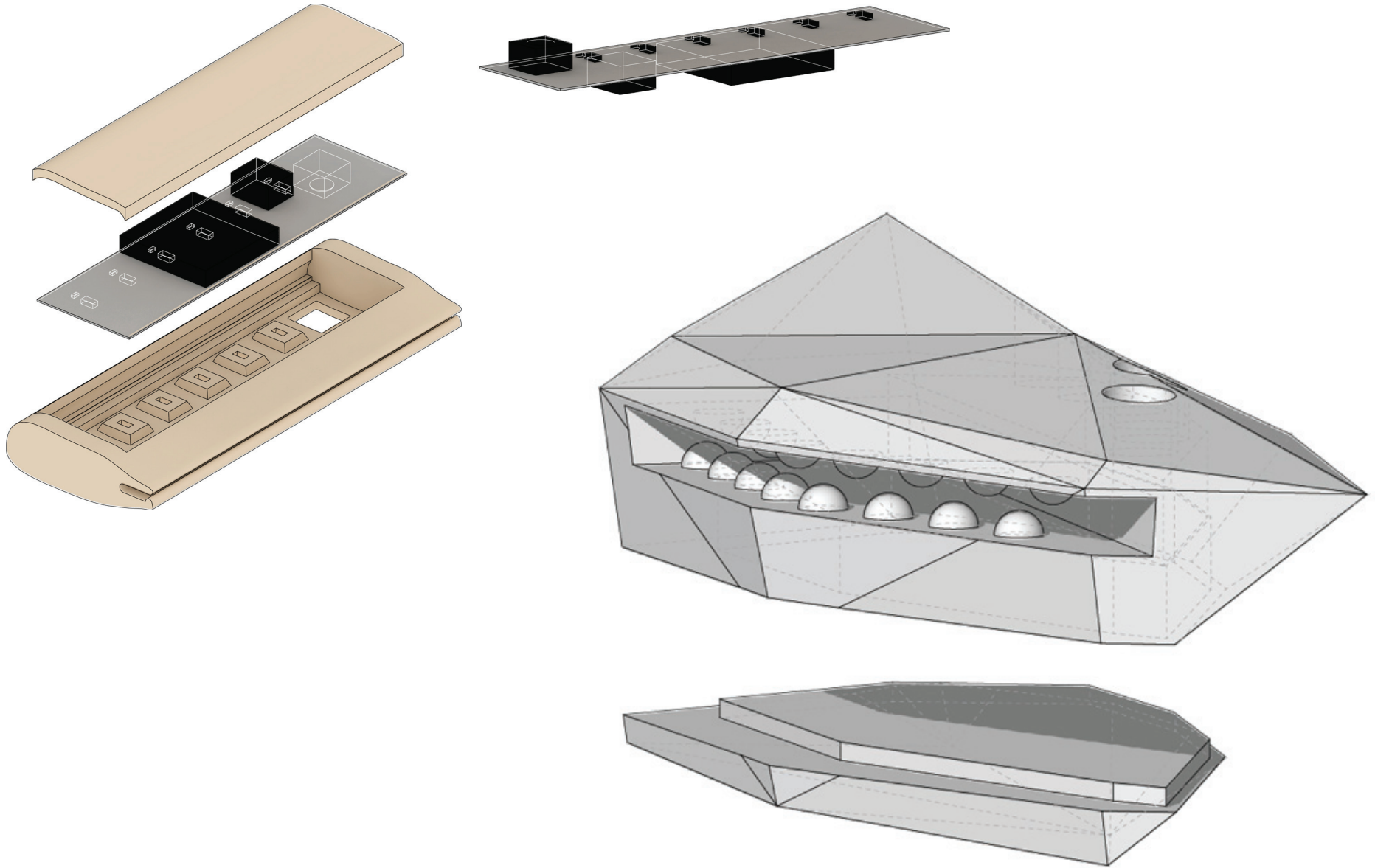
to make a small, simple device that attaches to a standard blister pack of birth control pills providing a daily reminder light-only alarm.





## 2. LESSONS LEARNED

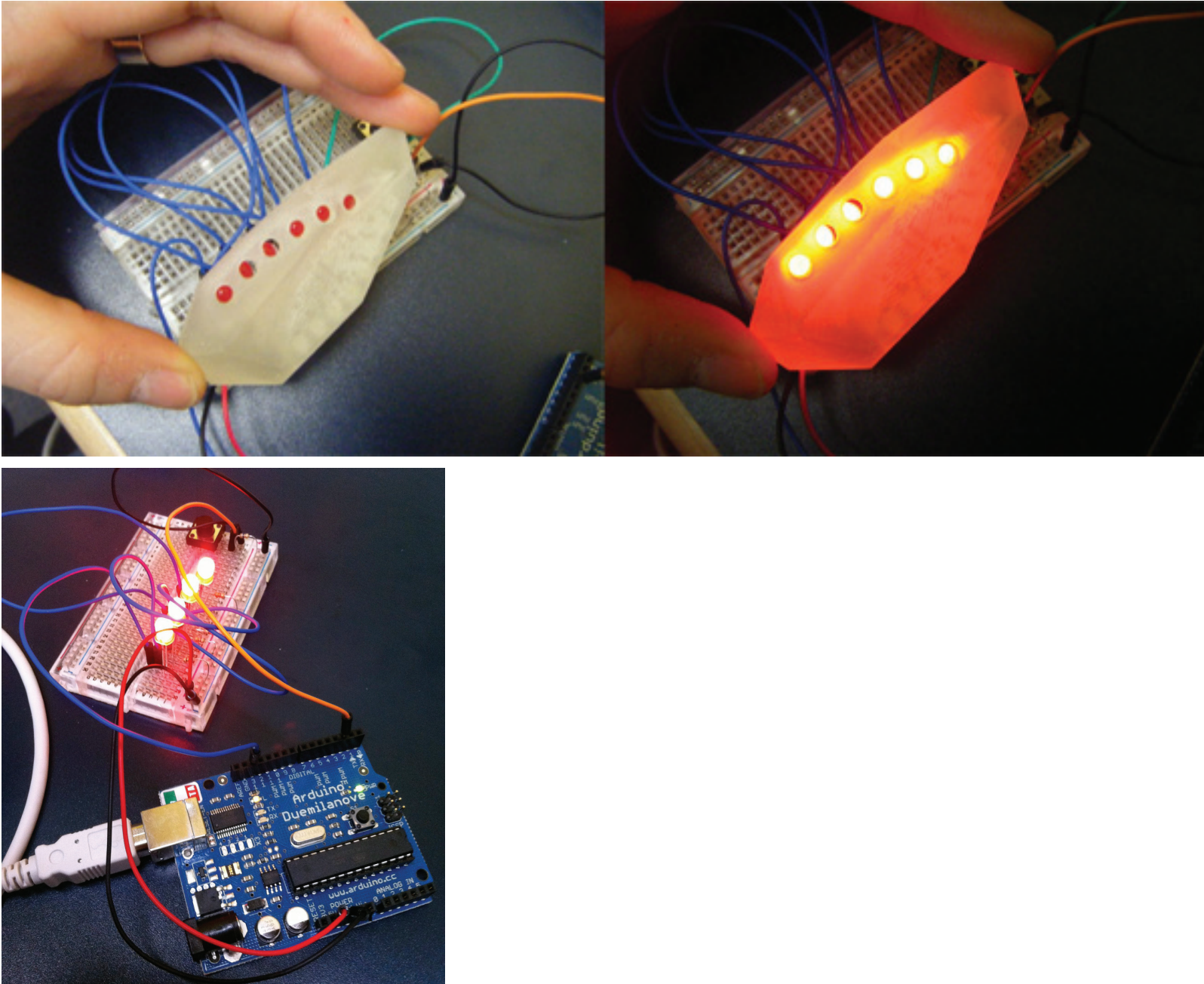
FUNCTION: major technical issue #1 - attaching the blister pack to the device securely



## 2. LESSONS LEARNED

FUNCTION: major technical issue #2 - keeping the case small and based around a minimum-profile custom PCB.





## 2. LESSONS LEARNED

FUNCTION: major technical issue #3 - programming and hardware

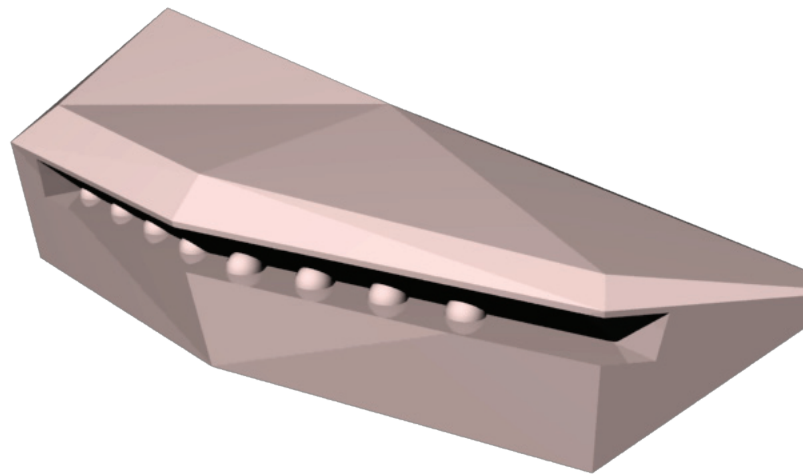
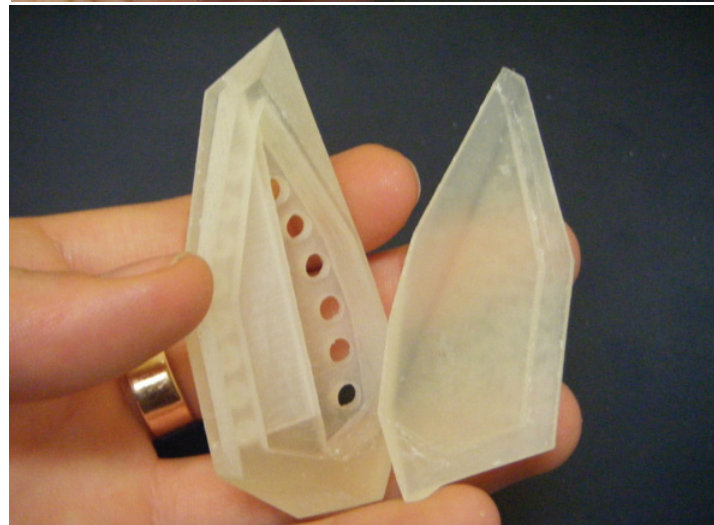
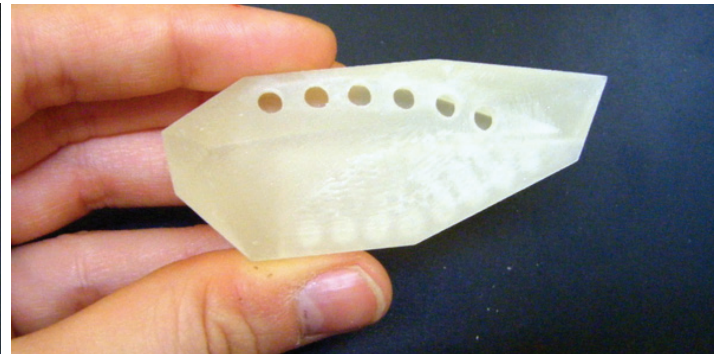


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## 2. LESSONS LEARNED

AUDIENCE AND AESTHETICS: small profile, yes, but questions of materiality and relative art-object-ness still need development





MIDTERM PROPOSAL / PROTOTYPE  
small, 3d-printed (Invision) case

# REMAINING CHALLENGES / TO DO LIST

## 1. CUSTOM PCB DESIGN AND FABRICATION:

all components need to be laid out, tested, programmed and left to run for a couple of weeks to test battery life, optimization, bugs, etc.

## 2. PROGRAMMING AND TESTING:

(related to #1) - the programming needs to be finished and uploaded to custom PCB for testing.

## 3. MATERIALS AND PRODUCTION METHOD:

how the case is made and out of what is essential in figuring out details of design. Requires careful assessment of audience and role of the device (art object, gadget, price point, etc.)

## 4. TRIALS:

I'd like to actually get a couple of examples of the device into use with a test group as soon as possible in order to get feedback on usability, functionality, design, etc.

## GOAL FOR FINAL:

- Be ready to roll out series of objects (possibly some variations in aesthetics and materials) to test group.
- Have strategies in place for production after class is over - ie: PCB manufacture, 3D printing / casting, etc.