

David Krawczyk | 2017
Portfolio

Liscio

Smart Phone

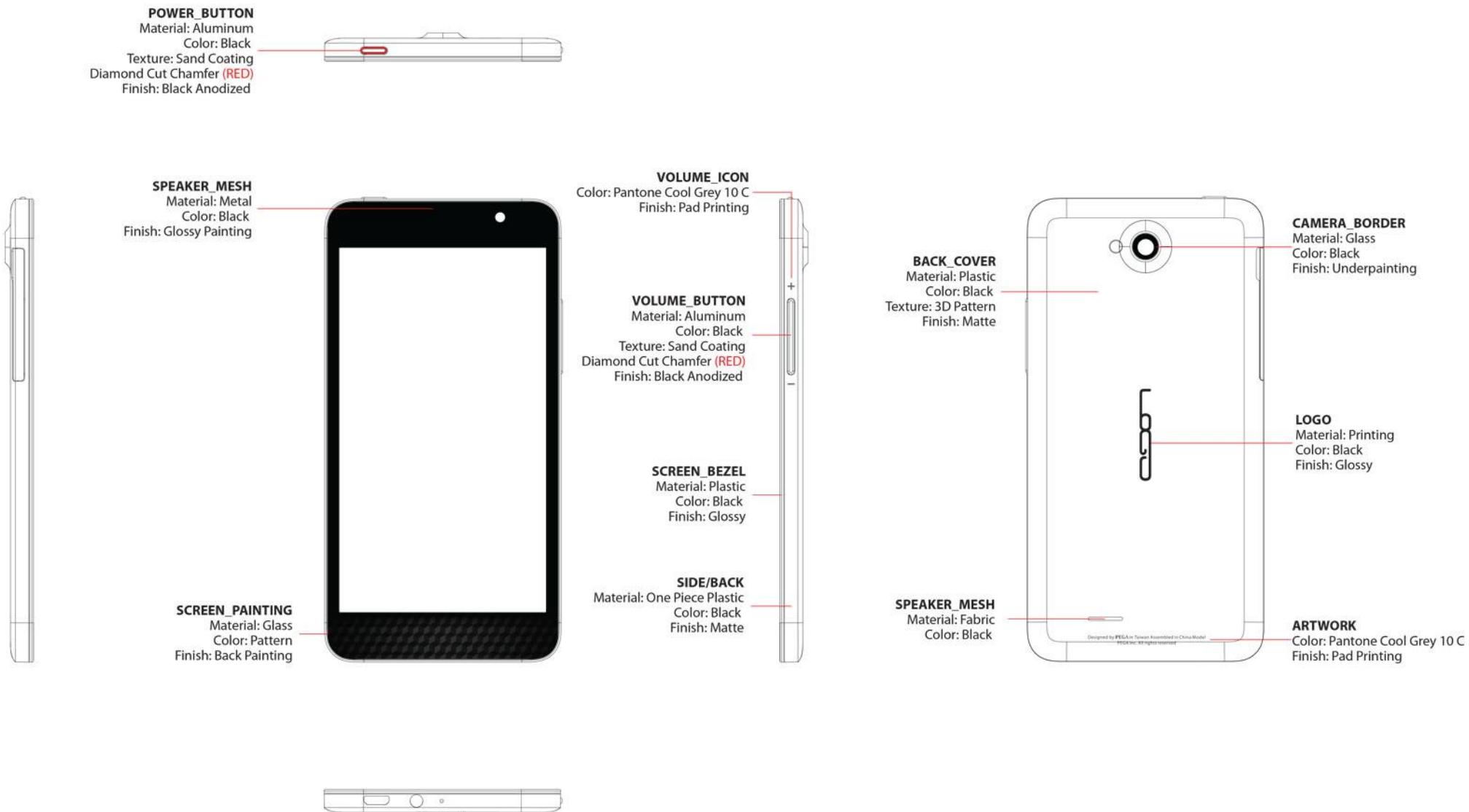


Design Brief

Design a low cost cell phone that has qualities to differentiate it from other phones on the market.

Liscio

CMF Specifications



Liscio

2D Renderings



Designed by PEGA in Taiwan Assembled in China Model
PEGA Inc. All rights reserved

Liscio

Appearance Model



The model, created in multiple parts, consisted of actual buttons, ports, and weights to make it as close to production as possible.



ABS was CNC'd for maximum resolution. The back featured a 3D gradient pattern.



The front display was back printed with a pattern to mimic the back case.

Liscio

Appearance Model



Designed by PEGA in Taiwan Assembled in China Model
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YouTube Music Award (YTMA)

Custom Etched Anodized Aluminum



Design Brief

Create a high quality award that would be presented to winning artists at YouTube Music Award Ceremony.
Names would not be released until after the ceremony.

YTMA

Fabrication



Aluminum blanks were waterjet cut and then hand finished to a polish.



The inner triangle was machined prior to being anodized.



An iridescent triangle is placed in the recess to give the icon a subtle glow.

TRACT

Modular Shelving System

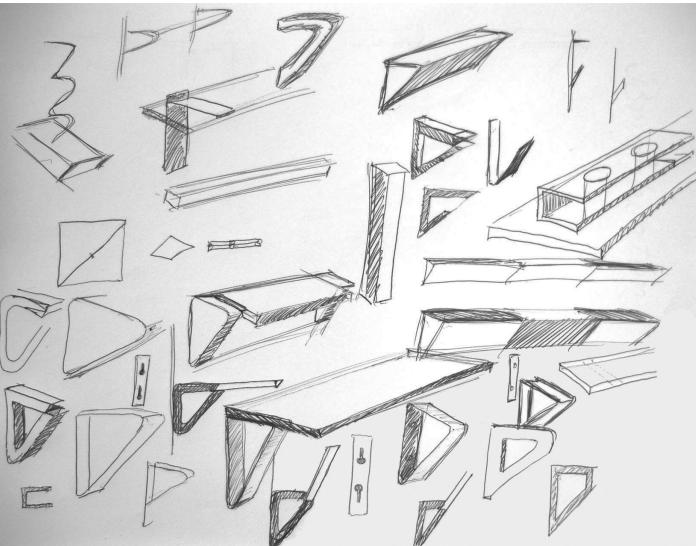


Design Brief

Design a visual shelving system that provides users more than one storage option.

TRACT

Early Prototype



Sketches exploring the simplest means to accomplish a shelf and pocket.



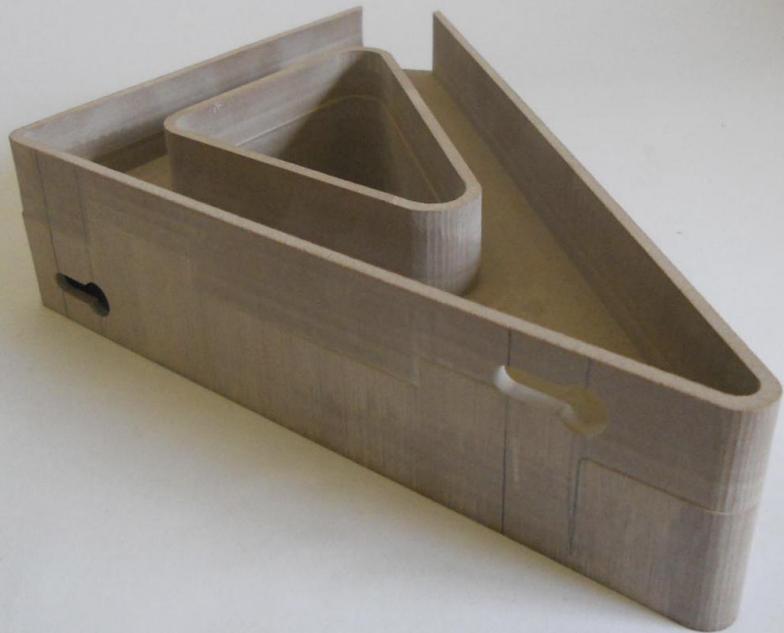
Early bent metal bracket with wood plank prototype to test the concept.



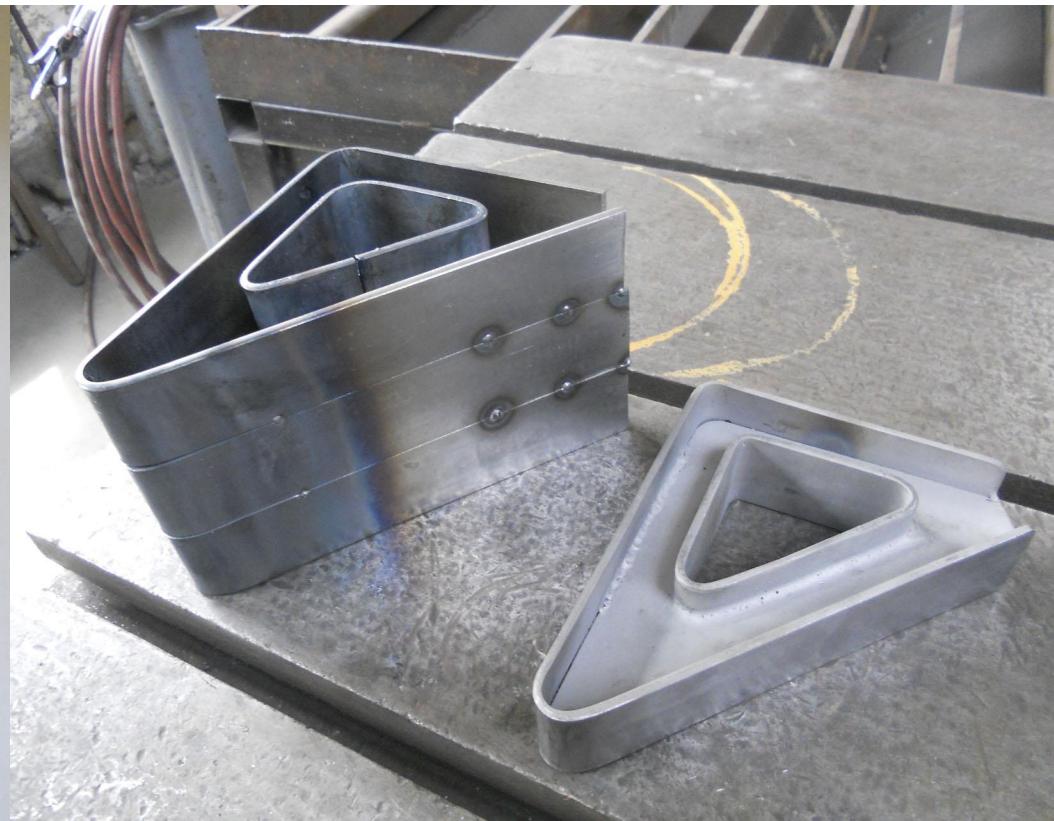
The pocket can store items such as gloves, scarves, toys, remotes, and other small items that often end up on table surfaces.

TRACT

Prototypes



CNC'd polyurethane mockup to verify scale.



Metal brackets for an appearance model.

TRACT

Modular Shelving System



Wood planks are sized at 16 and 32 inches to accommodate the standard spacing between studs

Komfy

Smart Home Devices



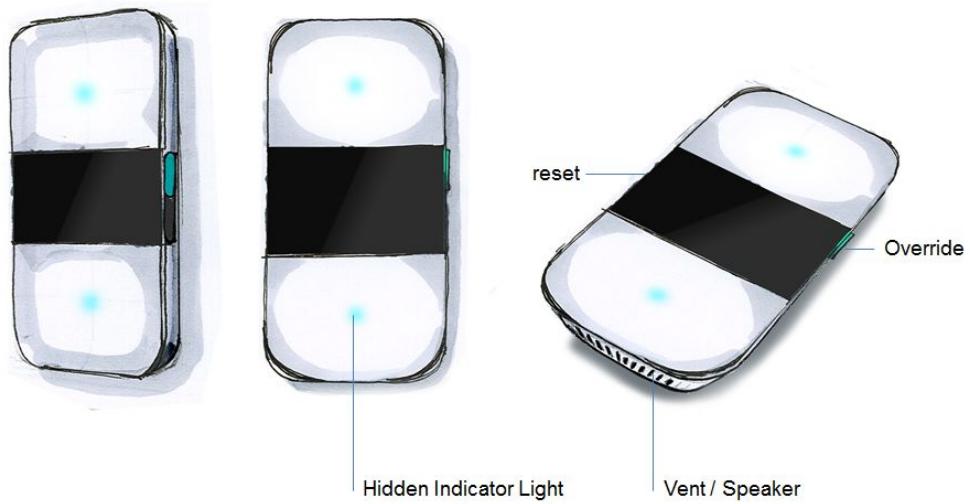
Design Brief

Design a smart switch and outlet that incorporates a camera and proximity sensor.

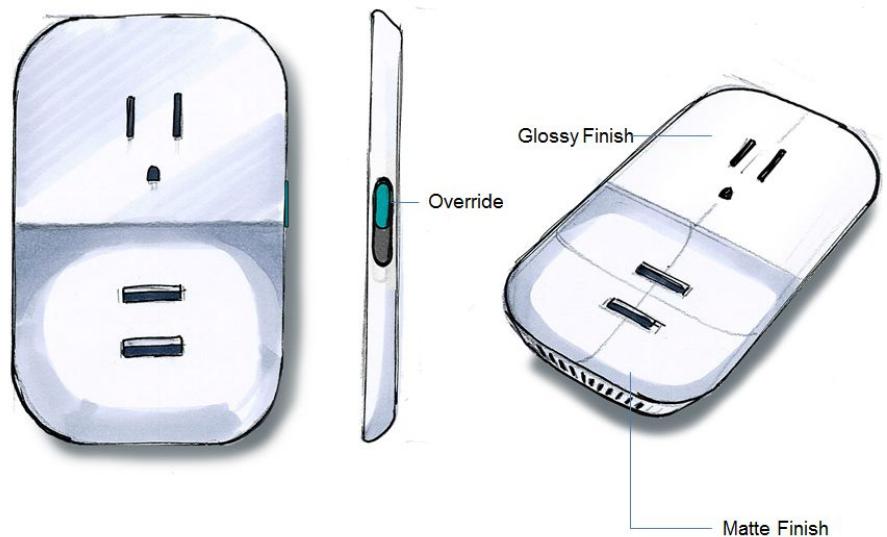
Komfy

Preliminary Sketches

Single Gang - SXC

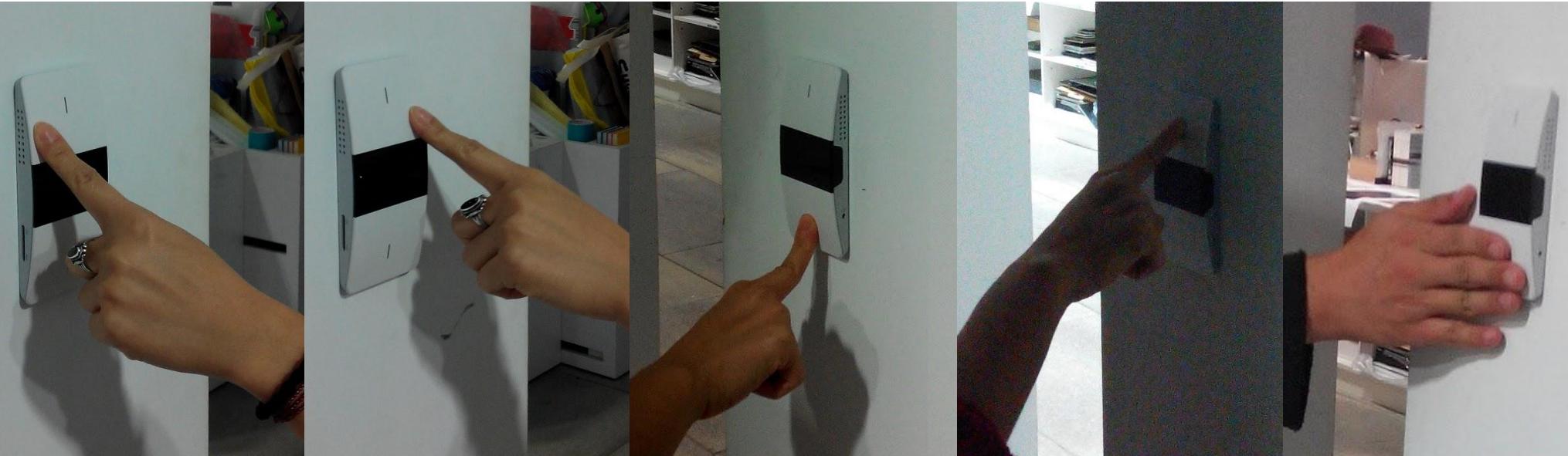


Smart Outlet



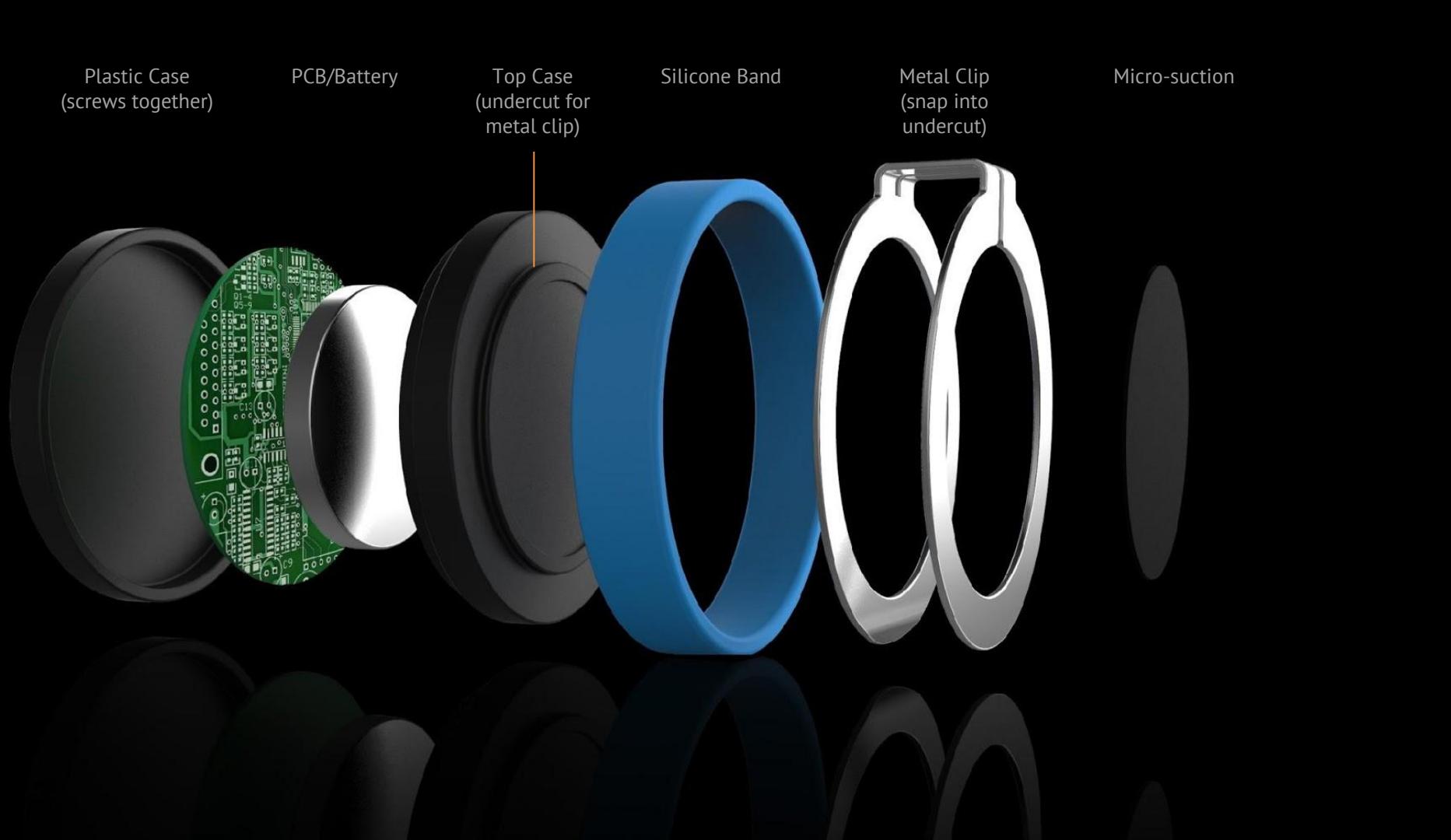
Komfy

User Interaction



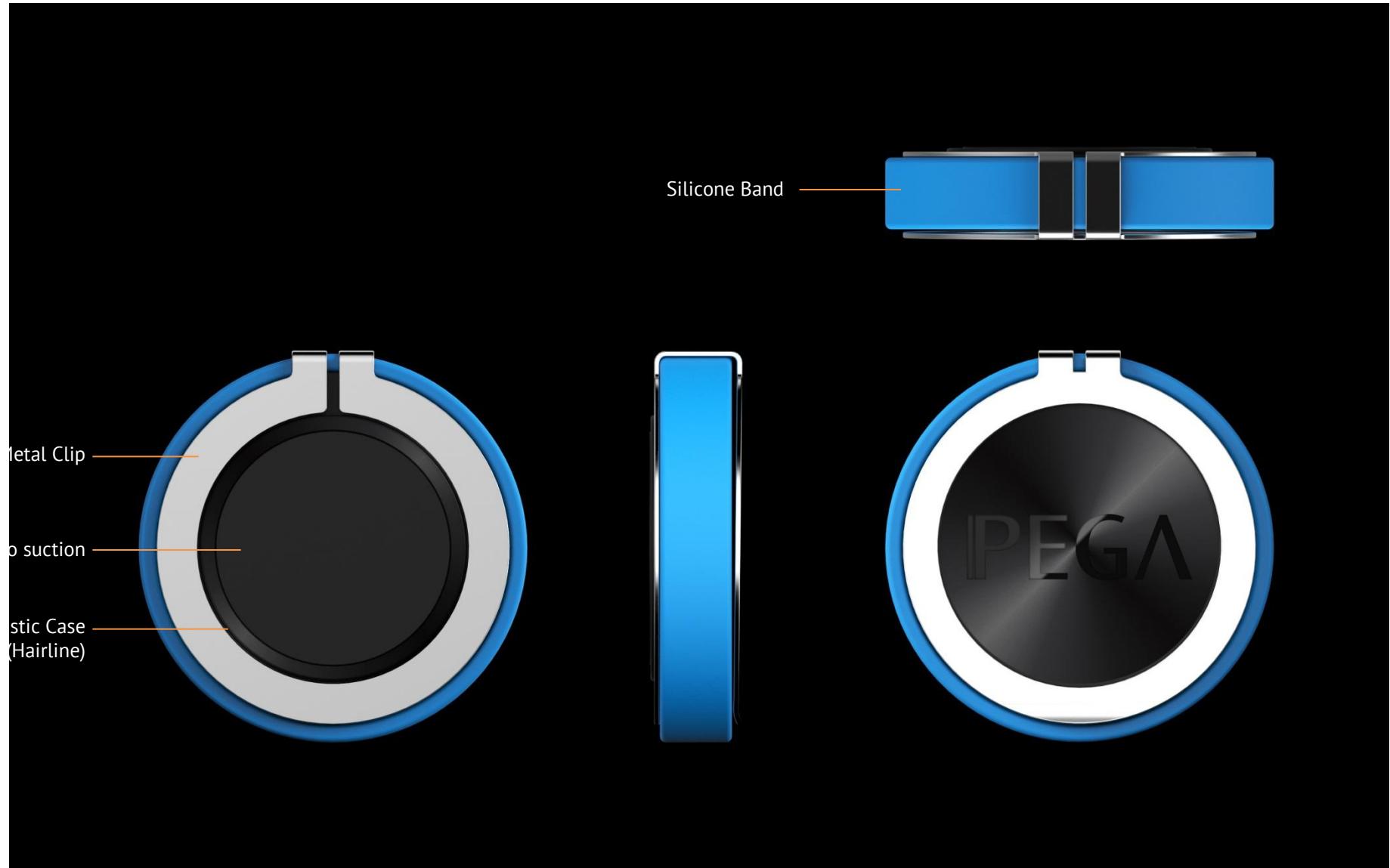
Individuals were asked to interact with the appearance model while another person turned the lights on and off based on how the switch would work in reality.

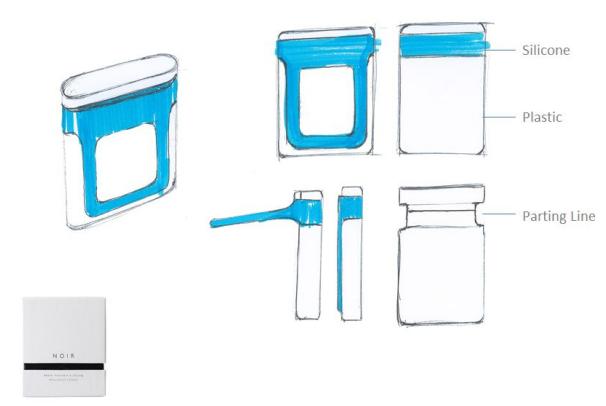
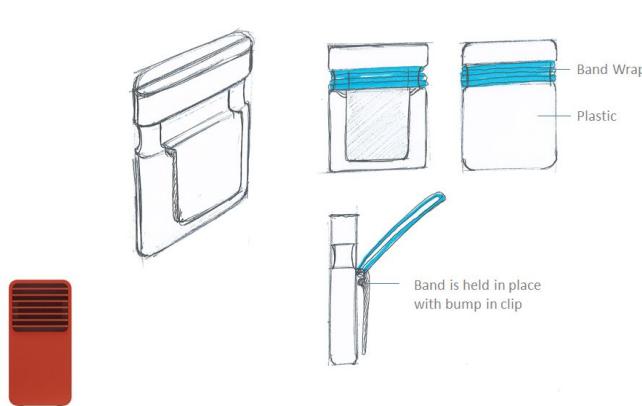
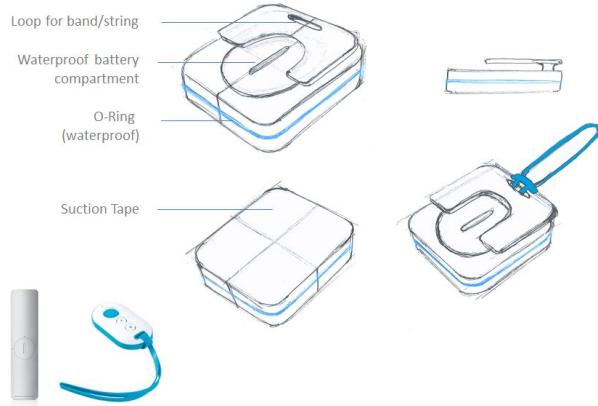


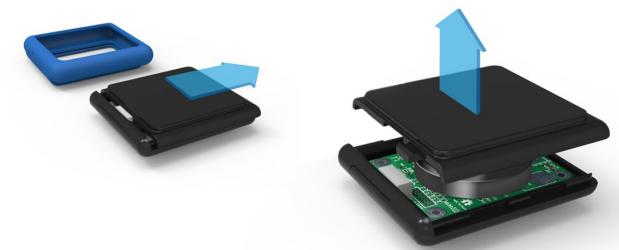
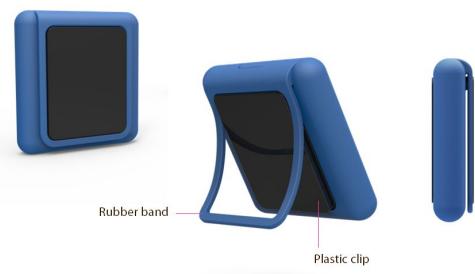
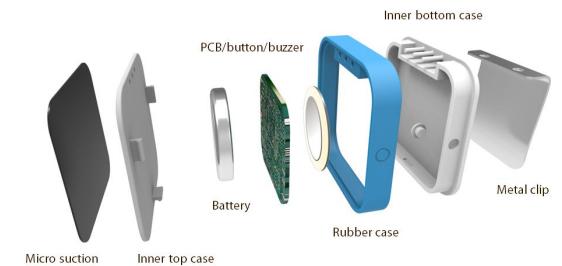
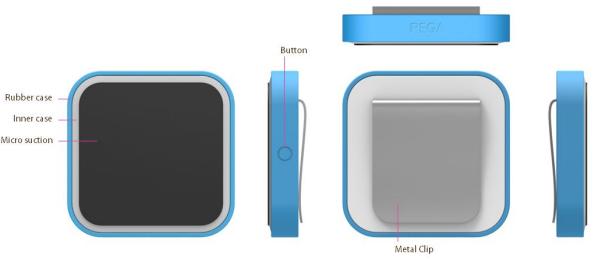


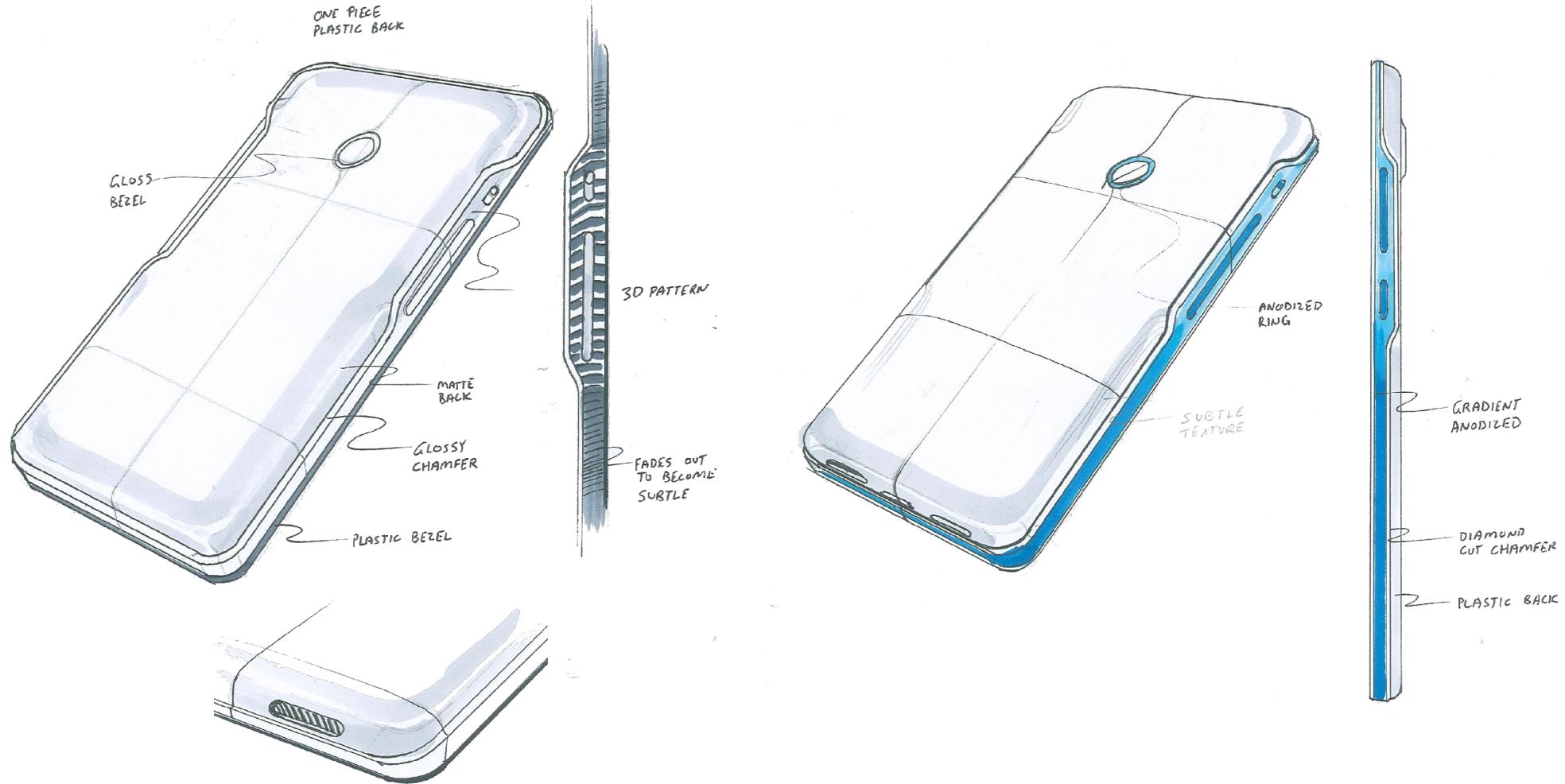


Metal clip retains silicone band when inverted.











Anodized Bezels

The anodized aluminum camera and home button bezel provide a quality appearance.



Highlighted Anodized Gradient

The distinguishing gradual fade from dark to light is contrasted with the sharp highlights created with the diamond cut chamfer.



Precise Control

The knurled bezel wraps around the side. Texture emphasizes the anodized buttons and prevents the device from slipping out of the user's hands. The anodized buttons are highlighted with a diamond cut chamfer.



Band
/Silicone
/Matte Texture



Touch Glass
/3D Formed



Band Support
/Plastic
/Matte Texture



Clasp
/Metal
/Spun Pattern



Button
/Metal
/Spun Pattern



Case
/Metal
/Sandblasted
/Anodized

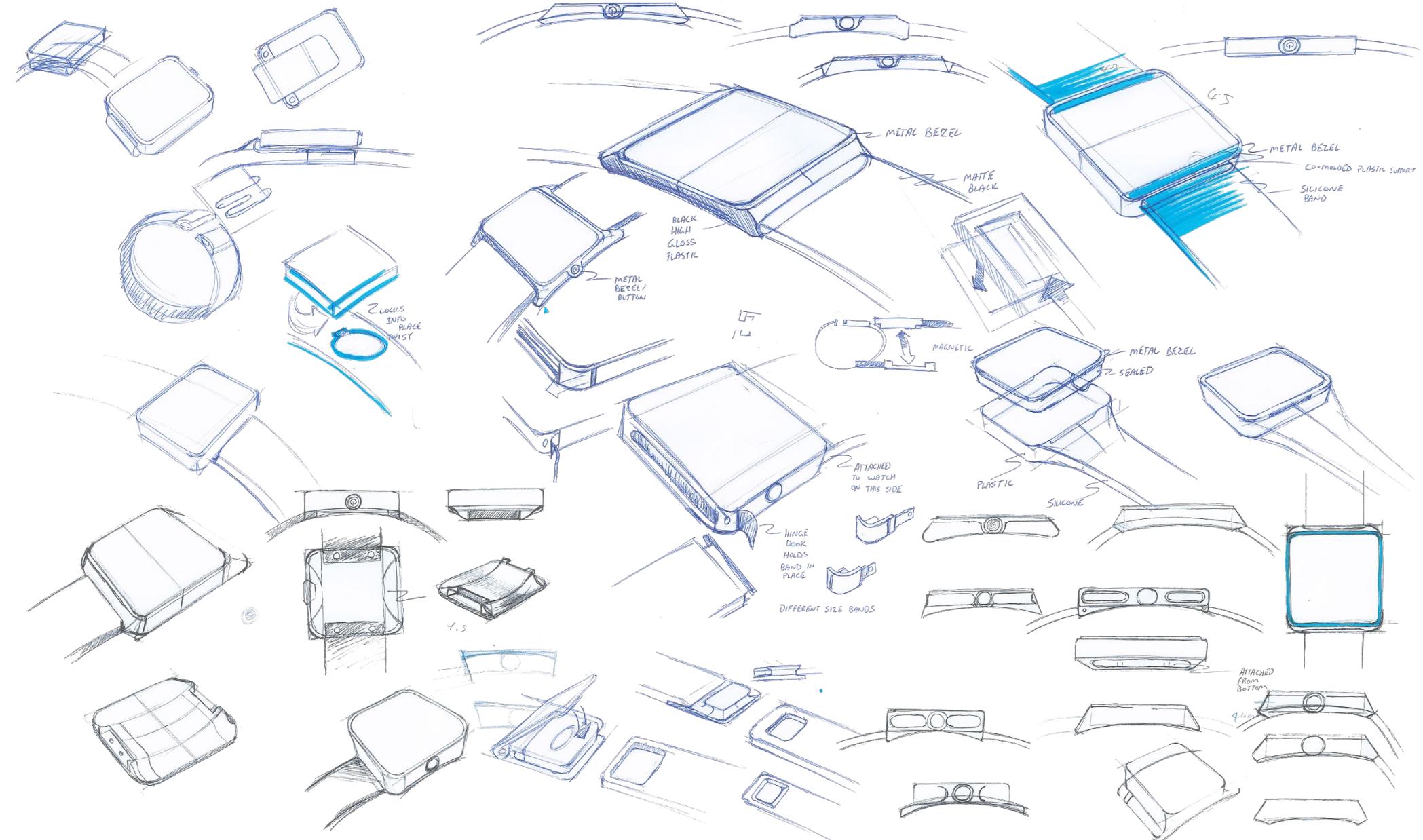


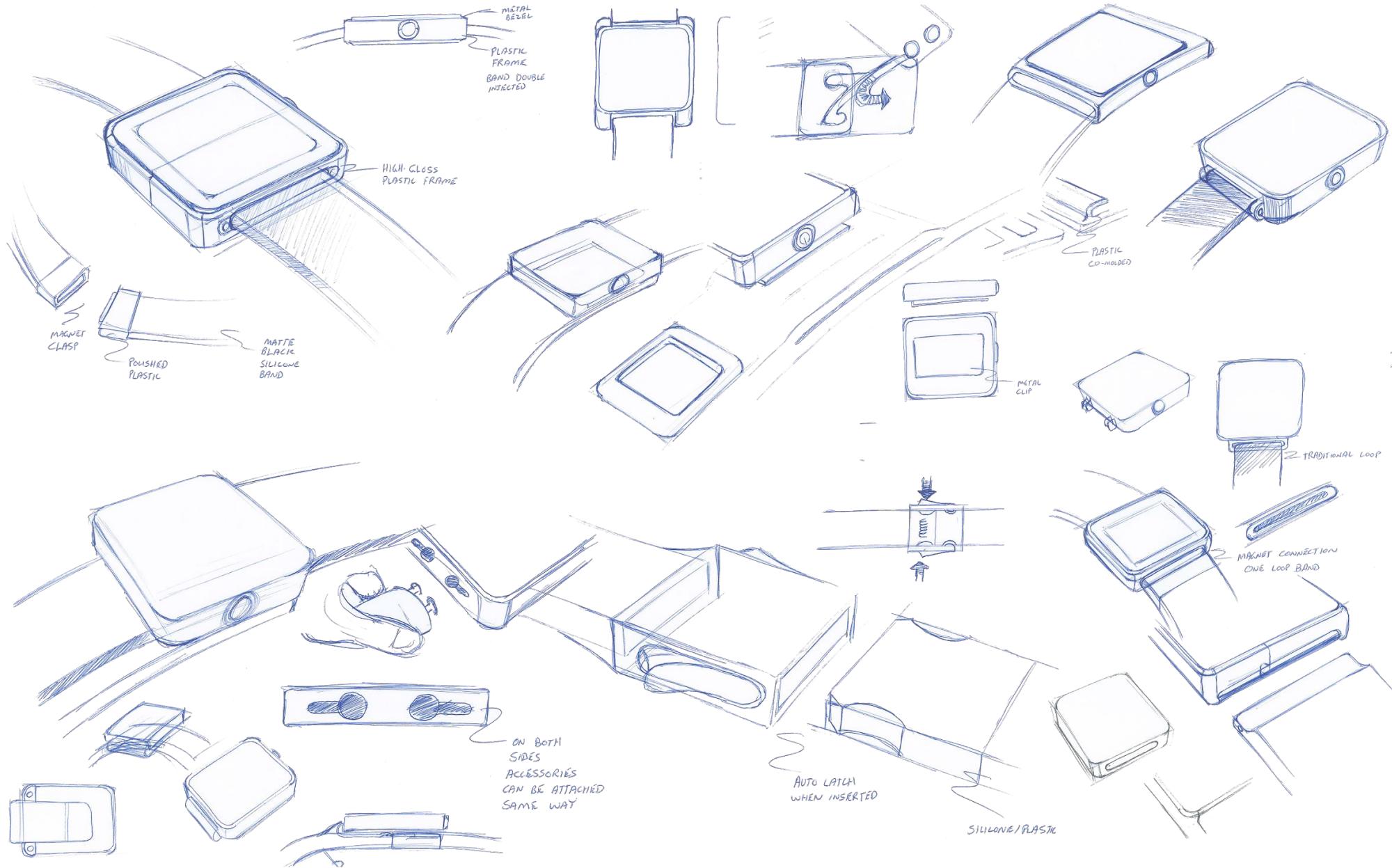
NFC



Bevel
/Metal
/Diamond Cut

Back Cover
/Metal
/Sandblasted
/Anodized







3D Surface

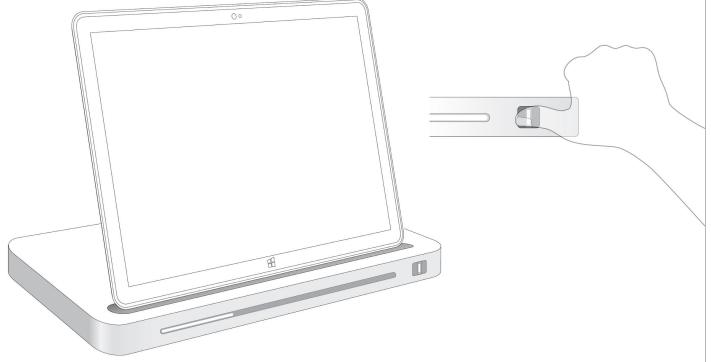
The plastic and glass together form a 3D curved surface complimenting the curve of the bottom of the module.

Seamless Design

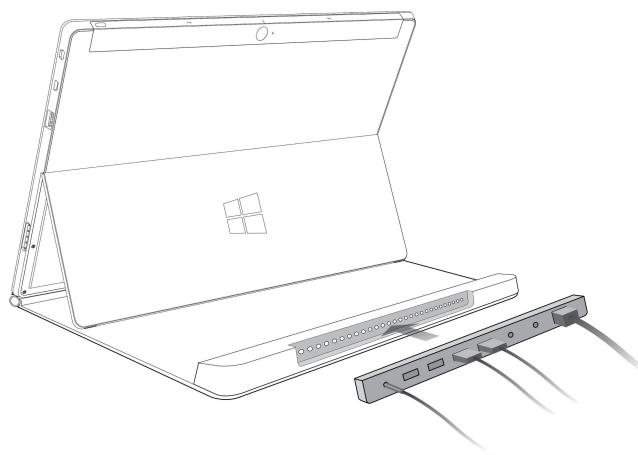
The silicone band is co-molded to the plastic structure within the module.

The band passes through a slot in the frame.





Backup files securely to an external hard drive protected with a fingerprint scanner. Light bar illuminates drive capacity.



Users can expand the Surface into a PC at work and an entertainment center at home without the hassle of reconnecting the cords. The dock rotates to cover the display for safe transport.



The dock protects personal information when the user is not present. When synced cellphone leaves the proximity of the workstation, the user account automatically locks. User can also push button to quickly secure the device. Unlock the device with the fingerprint scanner.