



Leonardo Ramazzotti,  
Firenze 13/03/1995  
Studente Ingegneria Meccanica  
Progettazione Cad  
Prototipazione tramite stampa 3D

# Portfolio

2022

The image displays three technical drawings and one 3D model. On the left, there are two 2D cross-sectional views of a circular component, showing internal features and dimensions: top view with a diameter of 27.00 and bottom view with a total height of 38.00. To the right is a 3D exploded view of a watch assembly with callouts numbered 1 through 7. The parts are labeled in a table below. Below the watch is a 3D model of a purple rectangular component with four mounting holes, labeled with numbers 1 through 4, with a corresponding table below it.

ITEM NO.	PART NUMBER
1	main_case
2	bezel
3	glass
4	caseback
5	caseback_gask
6	bezel_gasket
7	screw

ITEM NO.	PART NUMBER	DES
1	plug_hang_wire	

# Sim Racing

LAVORI

CONTATTI



Essendo da sempre un appassionato di motorsport , durante la pandemia ho seguito da vicino l' esplosione mediatica dei simulatori di guida. Ho deciso quindi di costruirmi delle repliche di volanti e button box che fossero piu' fedeli possibili alla realta' .



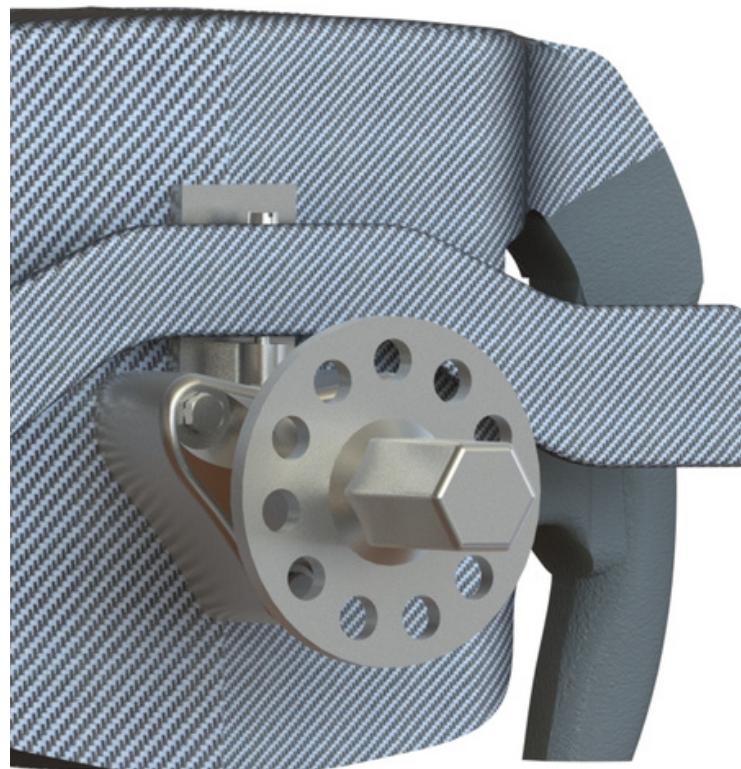
sopra : Ferrari GT3 Steering Wheel Replica



sopra : Ferrari SF90 Steering Replica

La Scocca e' interamente in PLA , mentre al suo interno tutte le funzioni vengono alimentate da 2 Arduino Promicro e un Nextion Display (figura sopra ) per la Telemetria .

Tutte questi progetti sono stati interamente da me realizzati con Solidworks e Prusa Slicer come software di CAM per la stampa 3D.



sopra : Ferrari GT3 Steering Wheel Replica

sopra : Button Box

Mi e' sempre piaciuta l' idea di migliorare un prodotto già esistente sul mercato, o di renderlo esteticamente più incline ai miei gusti,

Ho deciso infatti di modificare questa fujifilm digitale per dargli un look più vintage e migliorare il grip della mano destra.



Ho disegnato il paraluce ispirandomi alle vecchie fotocamere analogiche Leica come la M6, la MP e la M-A ; mentre il grip laterale riprende il design delle manovelle di carica dei rullini.



THIS COMPONENT SIMULATE THE FILM LEVER GRIP.  
INCREASE THE CAMERA HANDLING AND THE RETRO LOOK



ZOOM RING TO MATCH THE HOOD  
DIAMETER

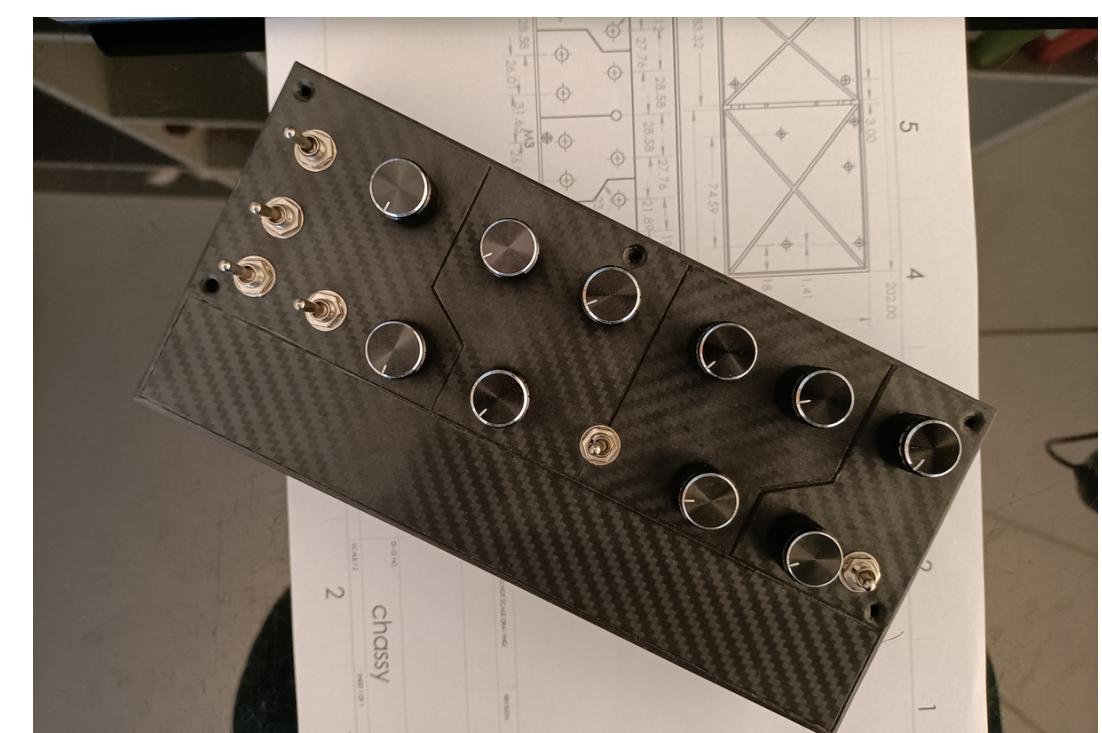
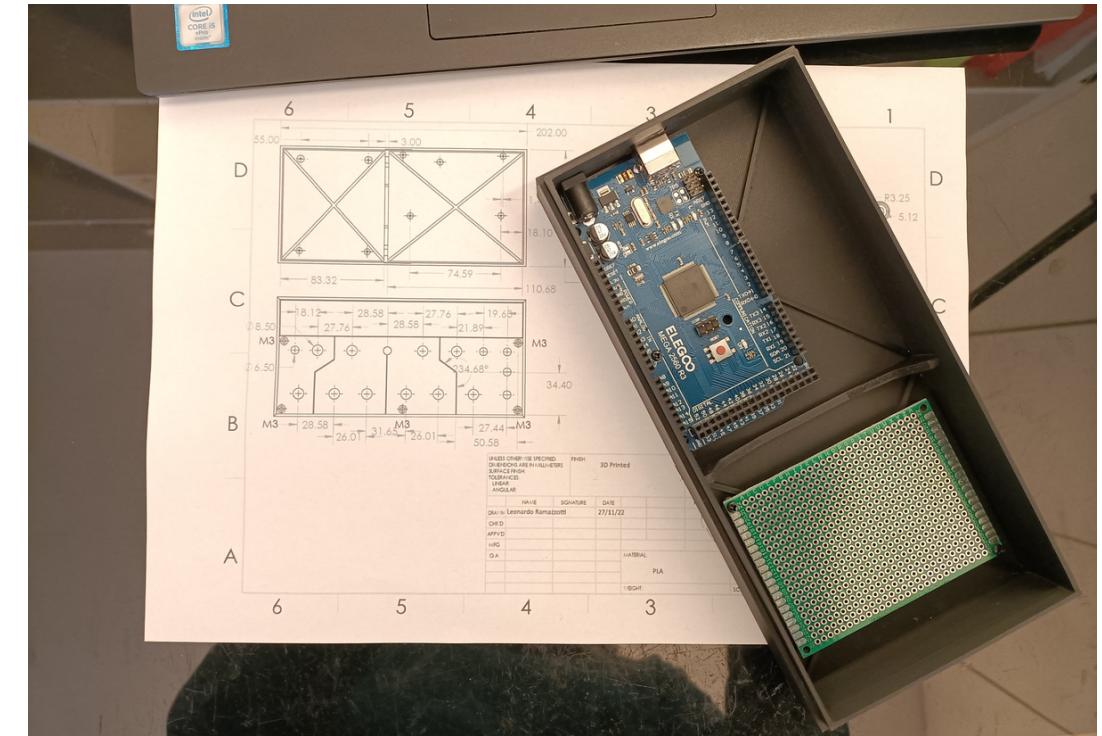
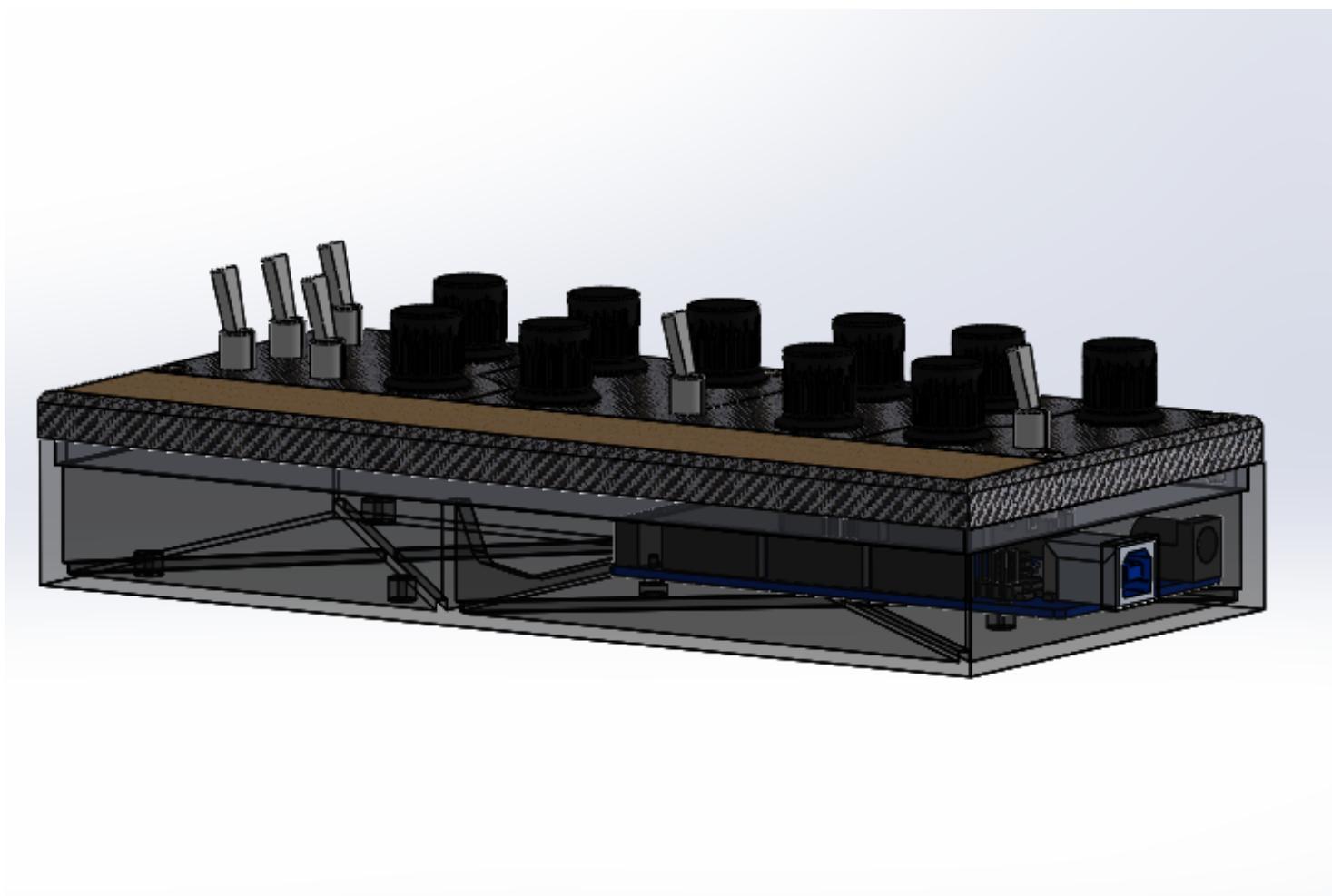
# Midi Controllers

LAVORI

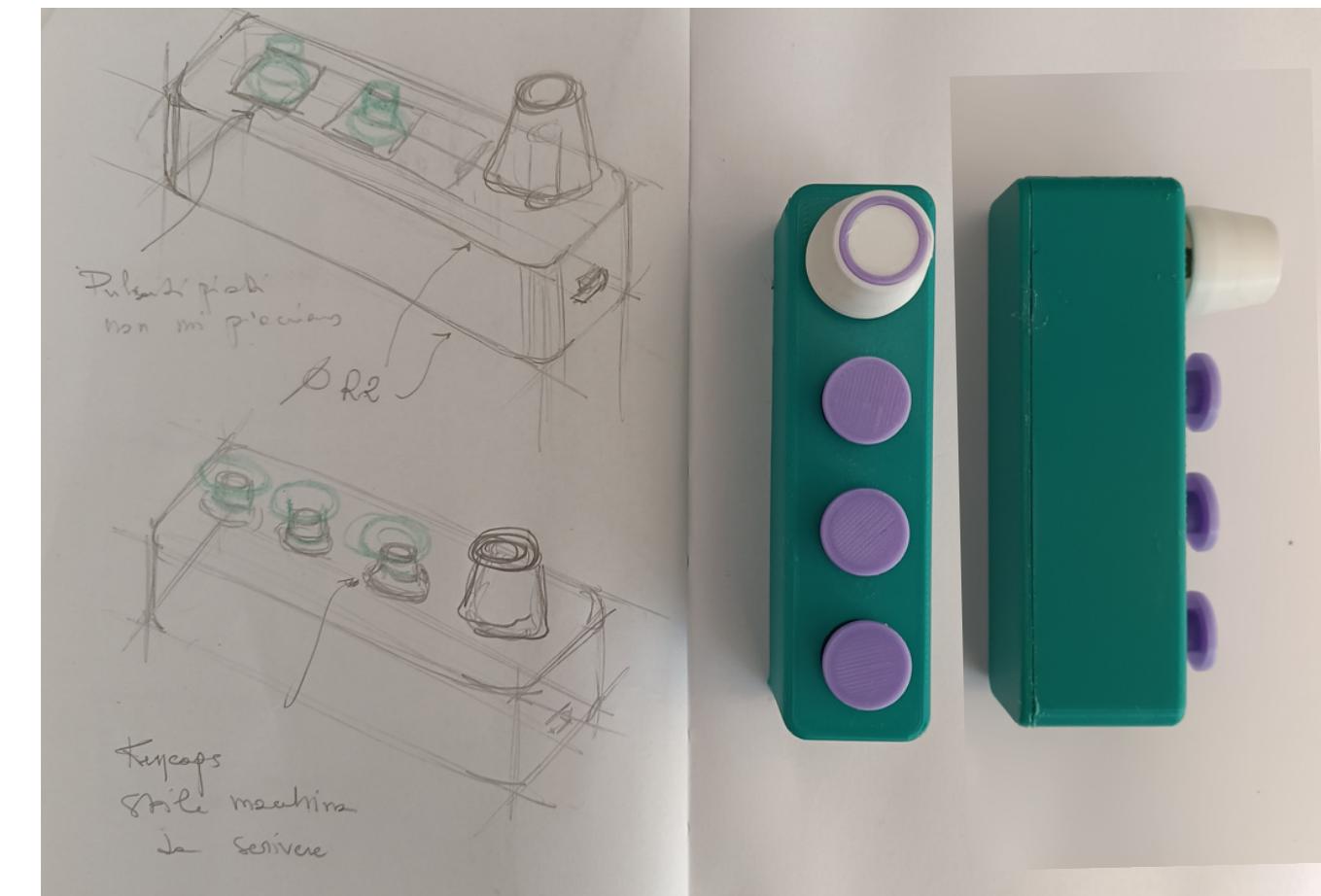
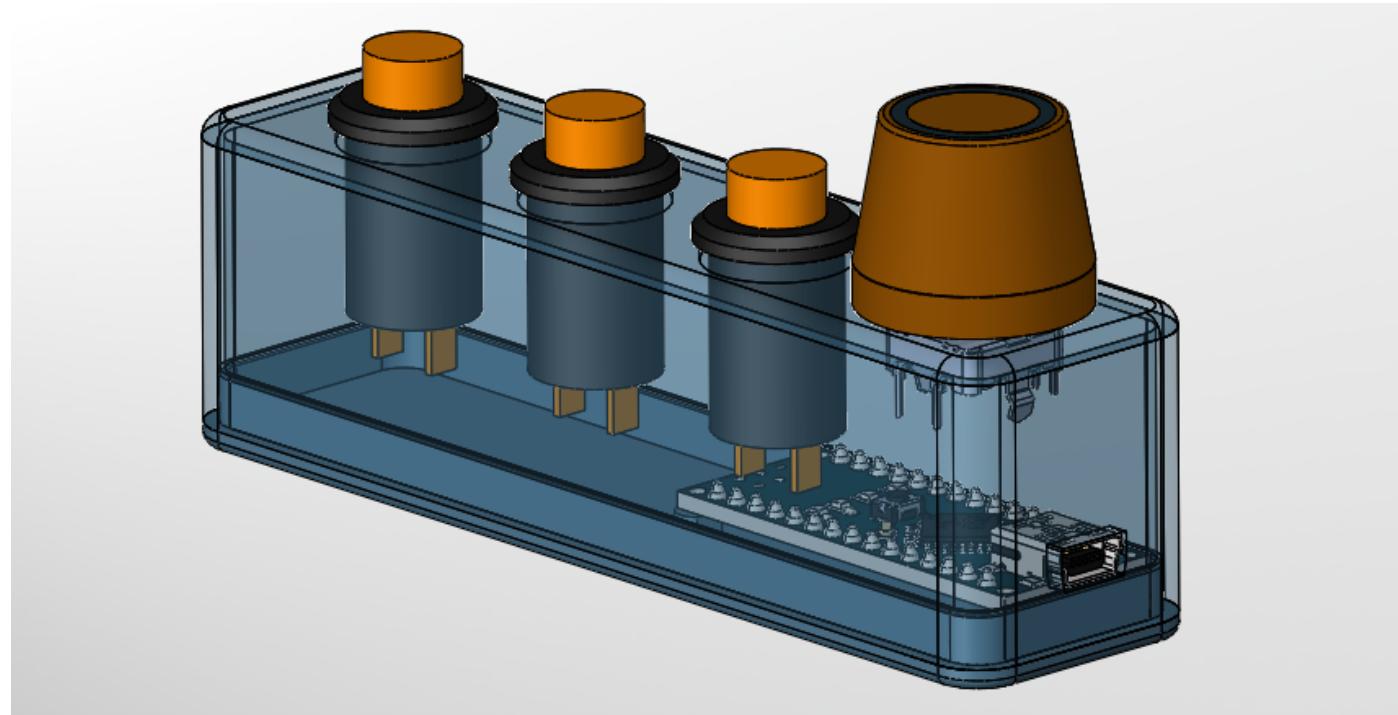
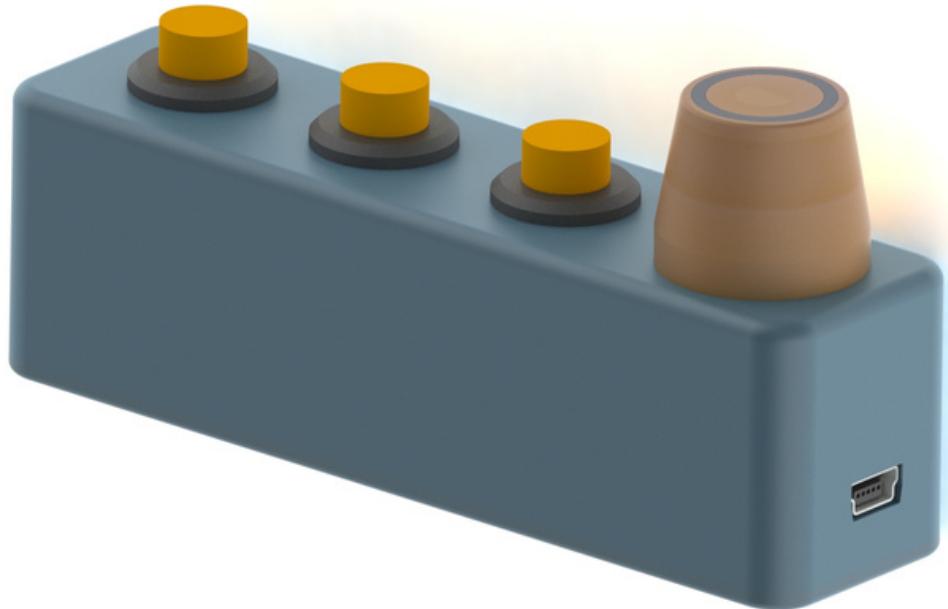
CONTATTI



Samuele Proto , cantautore , produttore e CEO della SHED626 mi ha commissionato un controllore midi che emulasse un plugin musicale per il programma LOGIC.



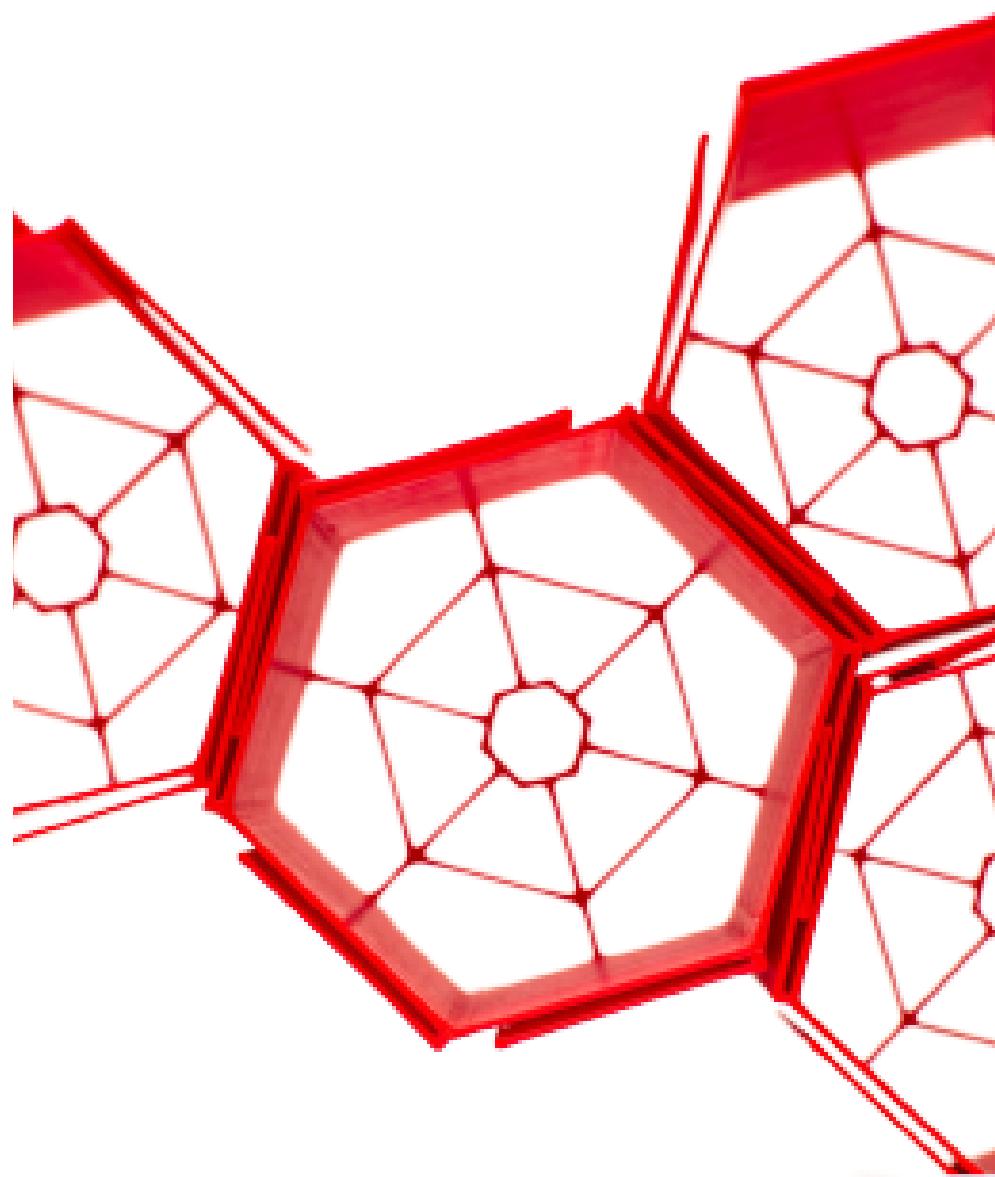
Da lì ho iniziato a progettare e prototipare vari controller basati su Arduino e Python sia per applicazioni musicali che per shortcuts da tastiera e application launcher.



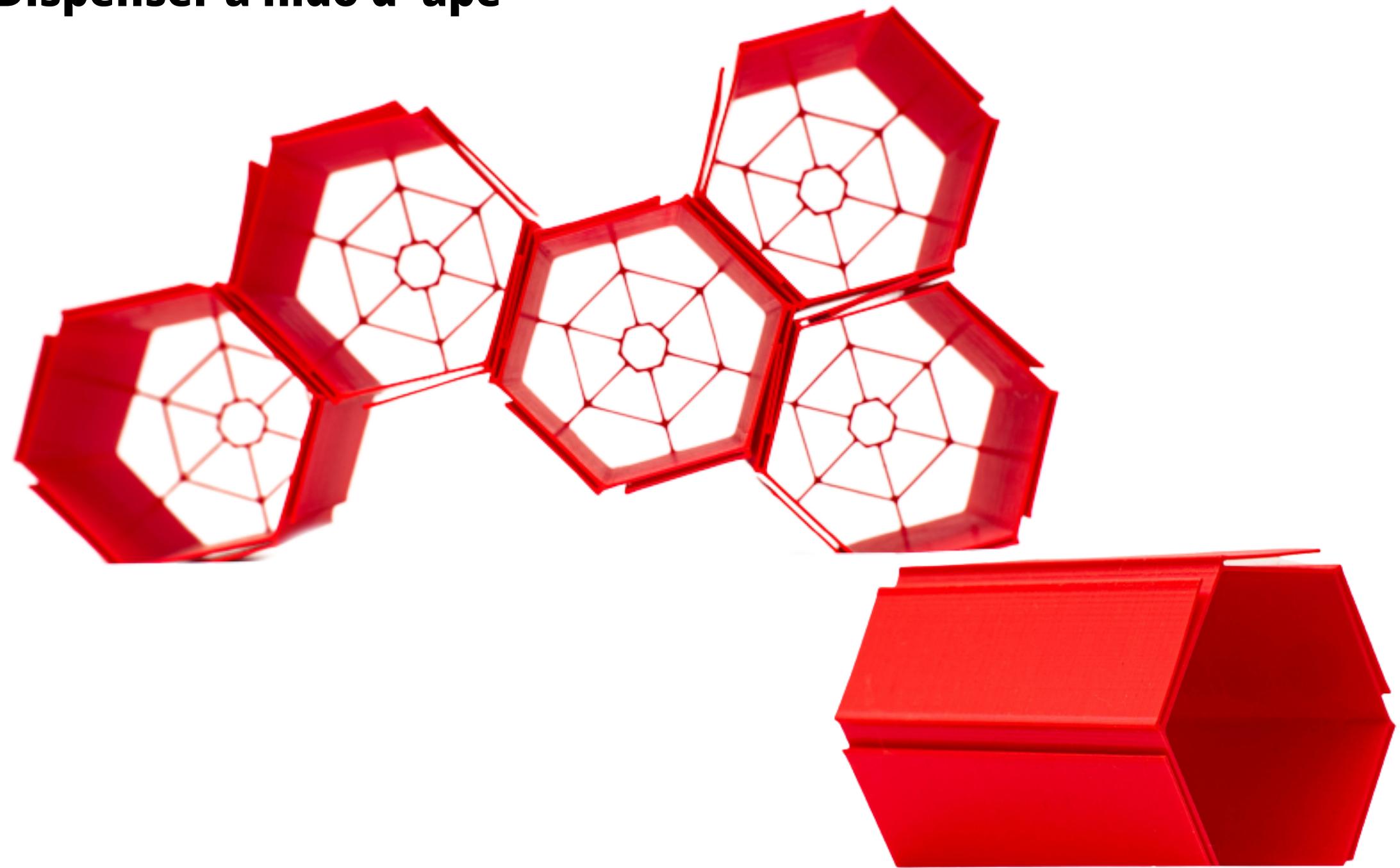
# Home Accessories

LAVORI

CONTATTI



**Dispenser a nido d' ape**

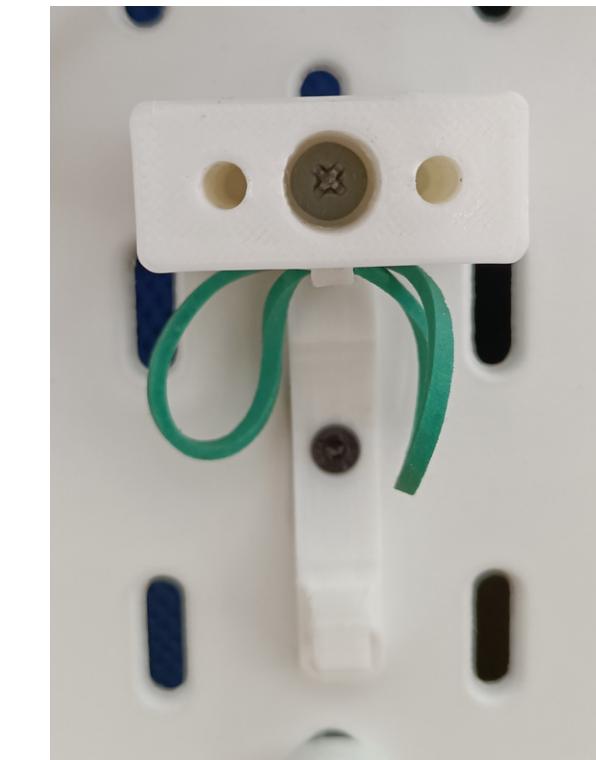
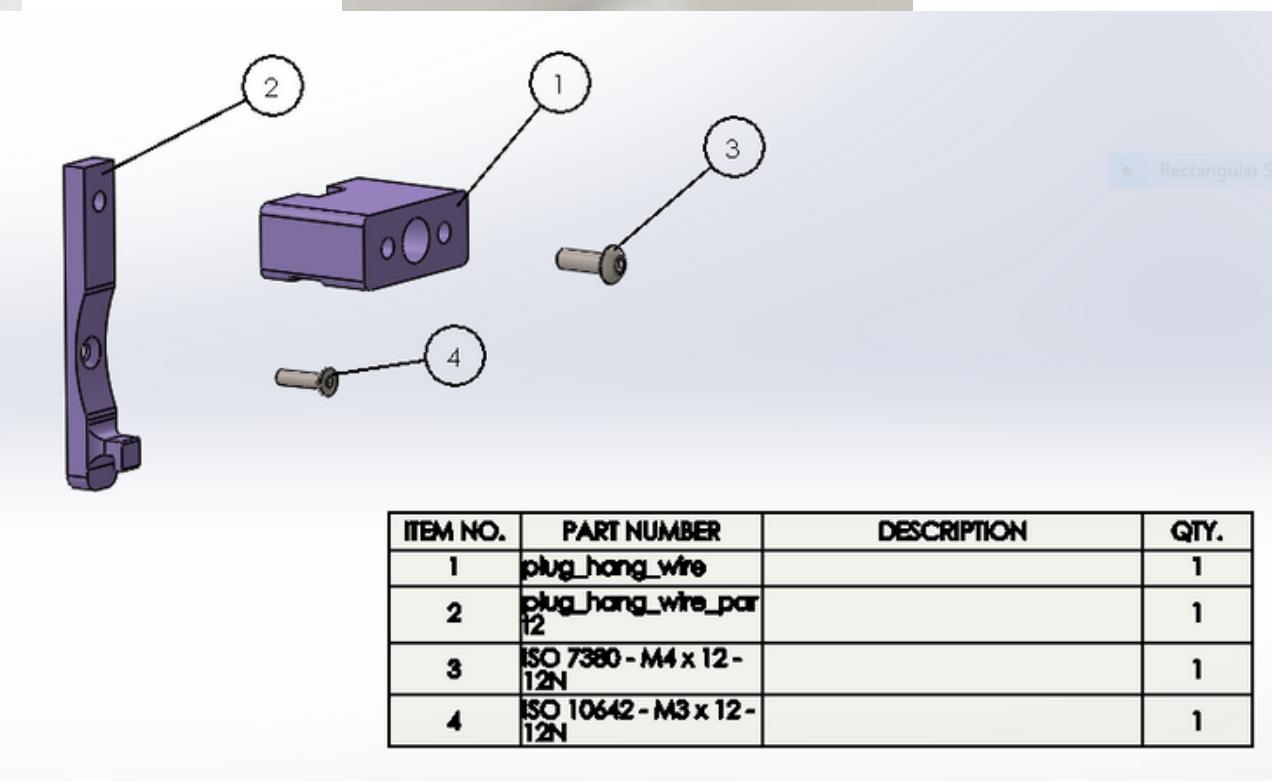
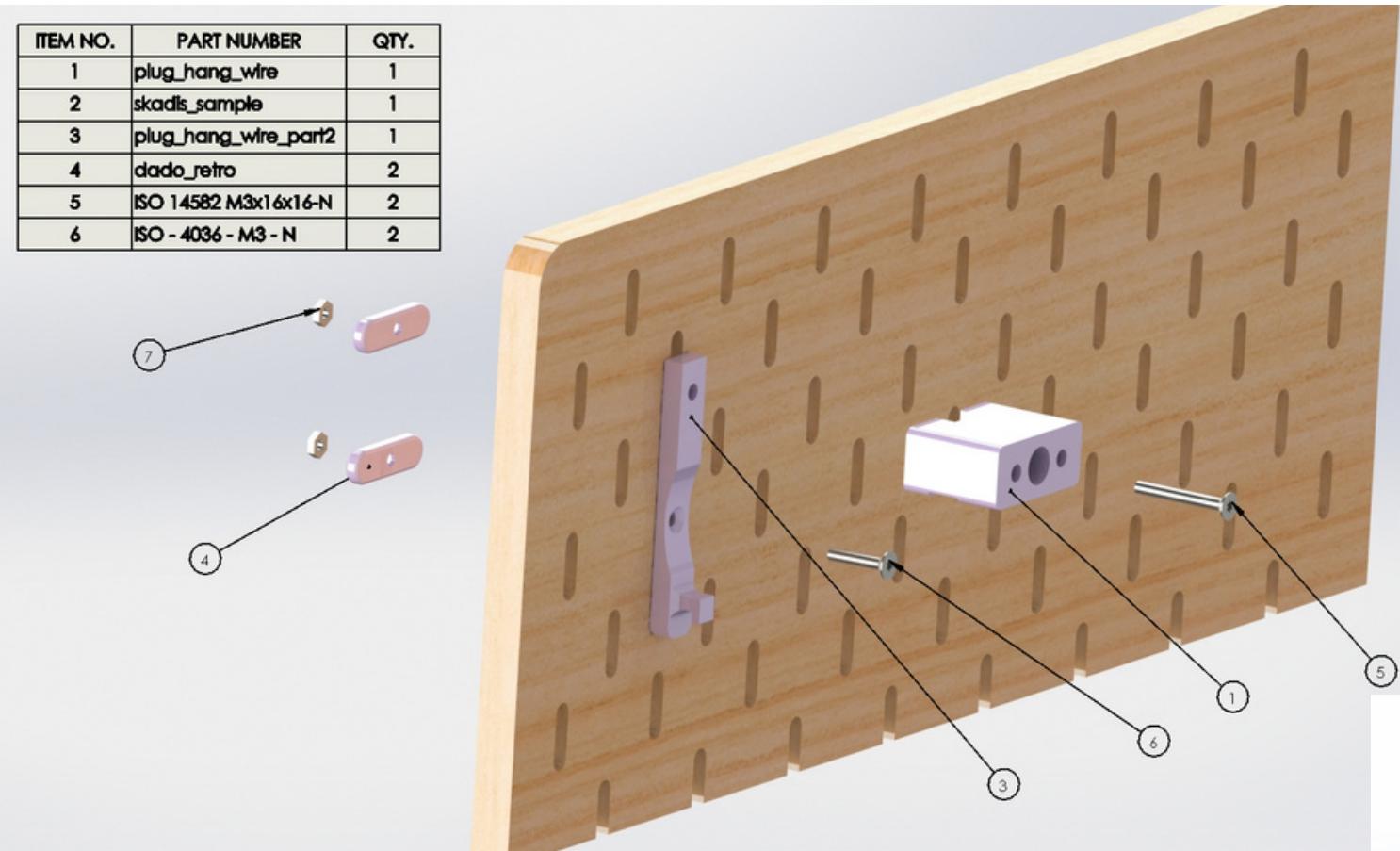


## Bento Box Watch Travel Case



## IKEA SKÅDIS Gadgets : Charger plug

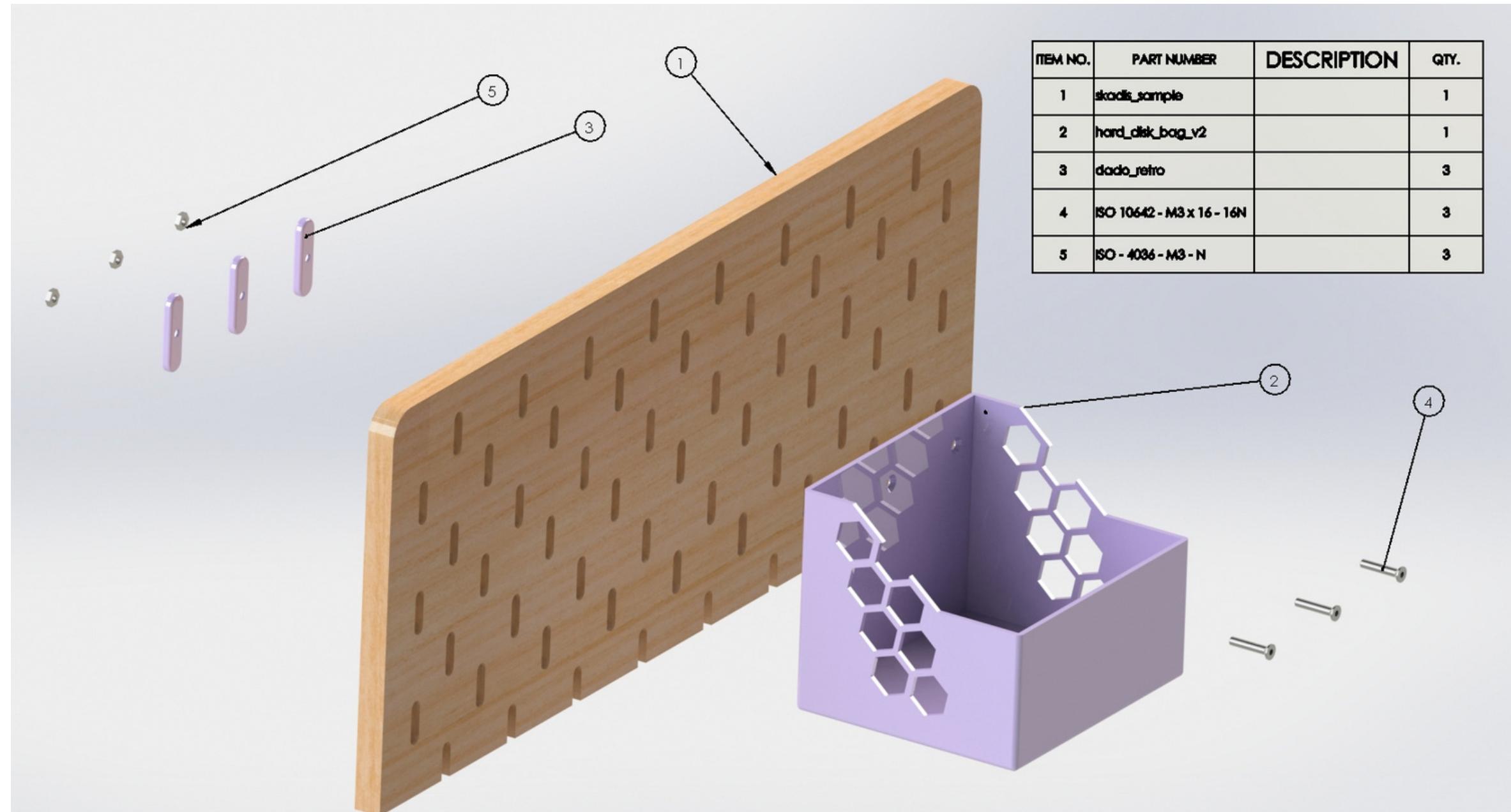
ITEM NO.	PART NUMBER	QTY.
1	plug_hang_wire	1
2	skadis_sample	1
3	plug_hang_wire_part2	1
4	dado_retro	2
5	ISO 14582 M3x16x16-N	2
6	ISO - 4036 - M3 - N	2



## IKEA SKÅDIS Gadgets : Wall Pocket



## IKEA SKÅDIS Gadgets : Hard Disk Dispenser

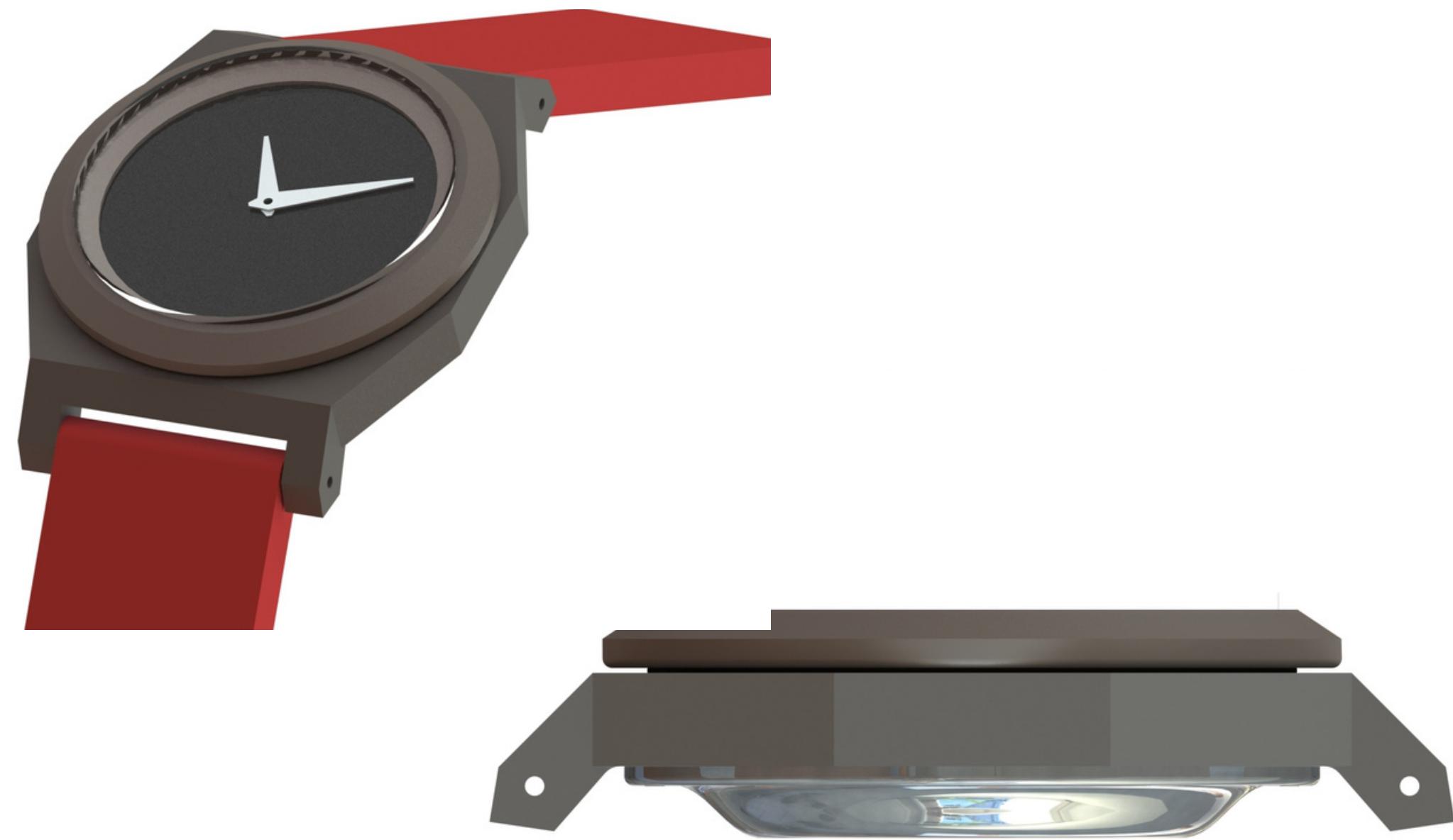


# Watch

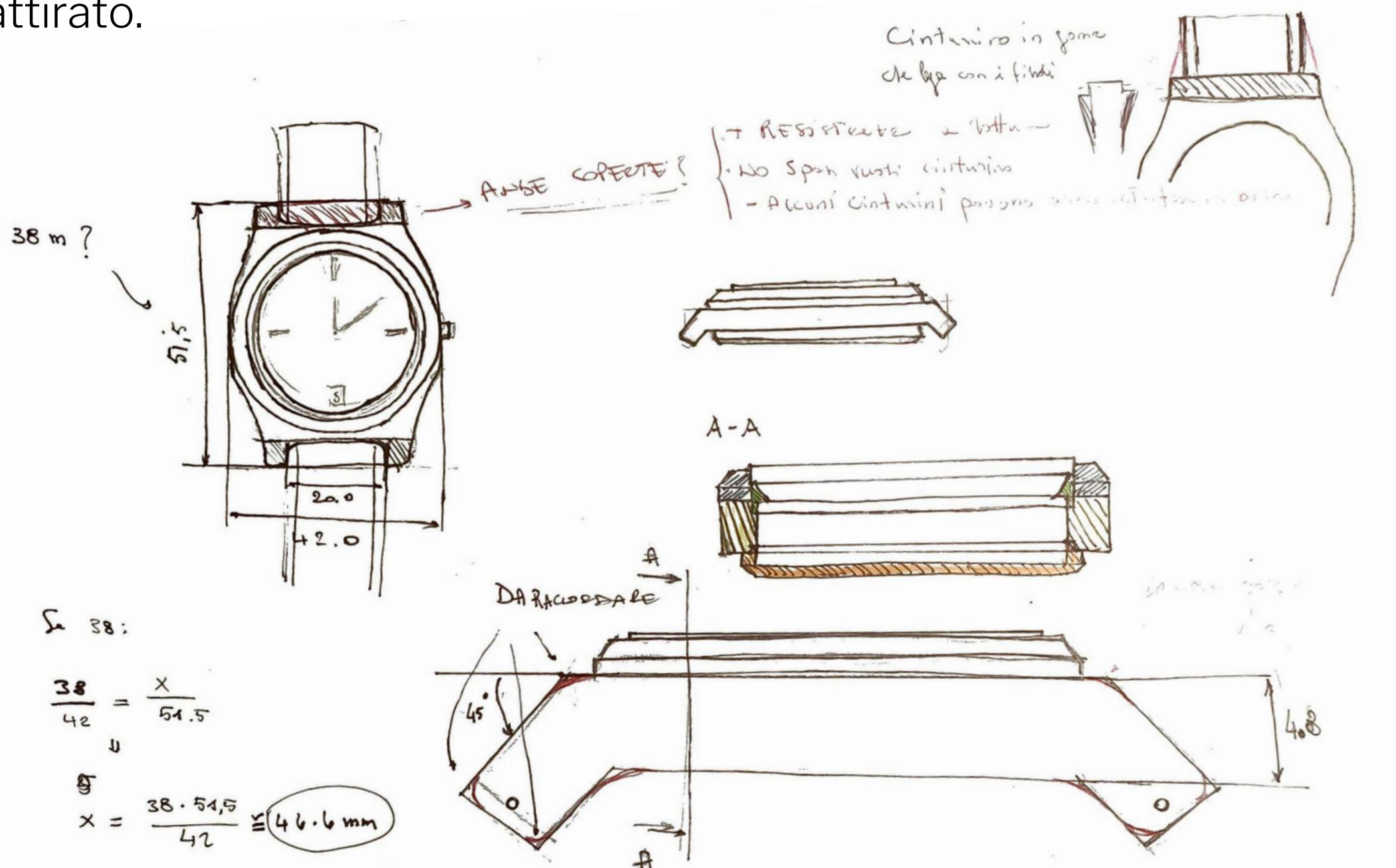
---

LAVORI

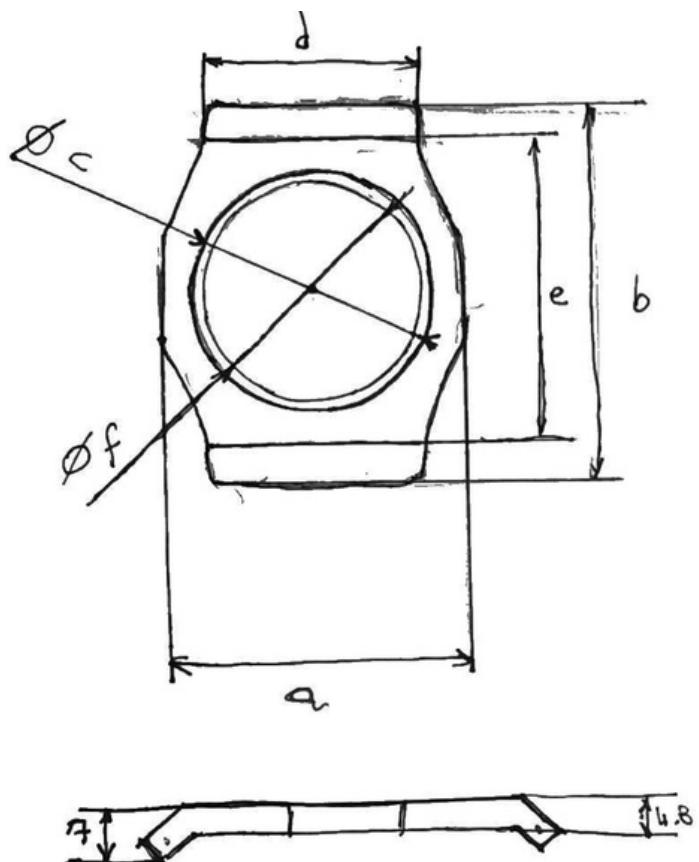
CONTATTI



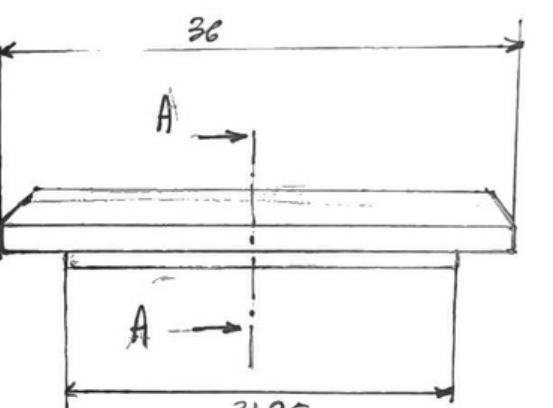
Sono da tempo appassionato di orologeria ,  
e l' idea di creare e progettare un mio pezzo mi ha sempre  
attirato.



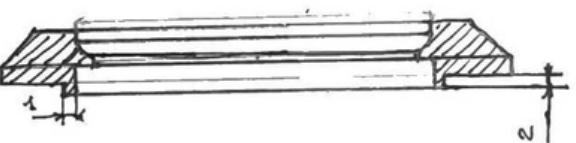
Sin dal principio ho pensato ad un orologio minimal, con forme senza tempo ispirate pezzi storici come il Nautilus e il Royal Oak entrambe frutto del genio di Gerald Genta.



$$\begin{aligned}
 a' &= 38 \text{ mm} \\
 b' &= \frac{51 + 38}{42} = 46,14 \text{ mm} \\
 c' &= \frac{34 \cdot 38}{42} = 30,76 \text{ mm} \\
 d' &= \frac{29,8 - 38}{42} = 26,96 \text{ mm} \\
 e' &= \frac{43,5 - 38}{42} = 39,36 \text{ mm} \\
 f' &= \frac{32 - 38}{42} = 29,95 \text{ mm}
 \end{aligned}$$

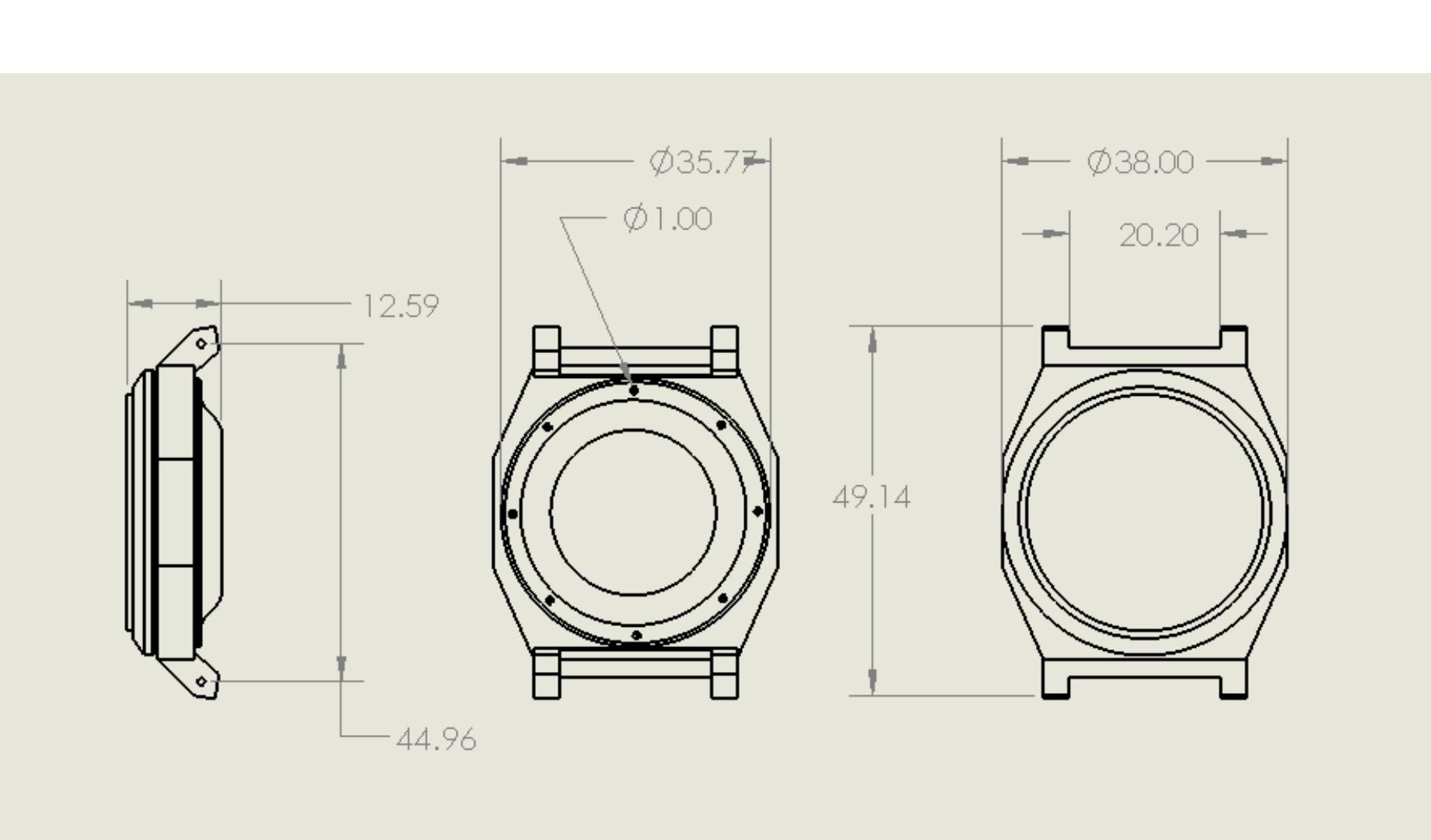


A=A



La cosa che piu' disturba la linearita' e simmetria di un orologio e' la corona. Ho deciso infatti di incassare un movimento radio controllato per poterla rimuovere.

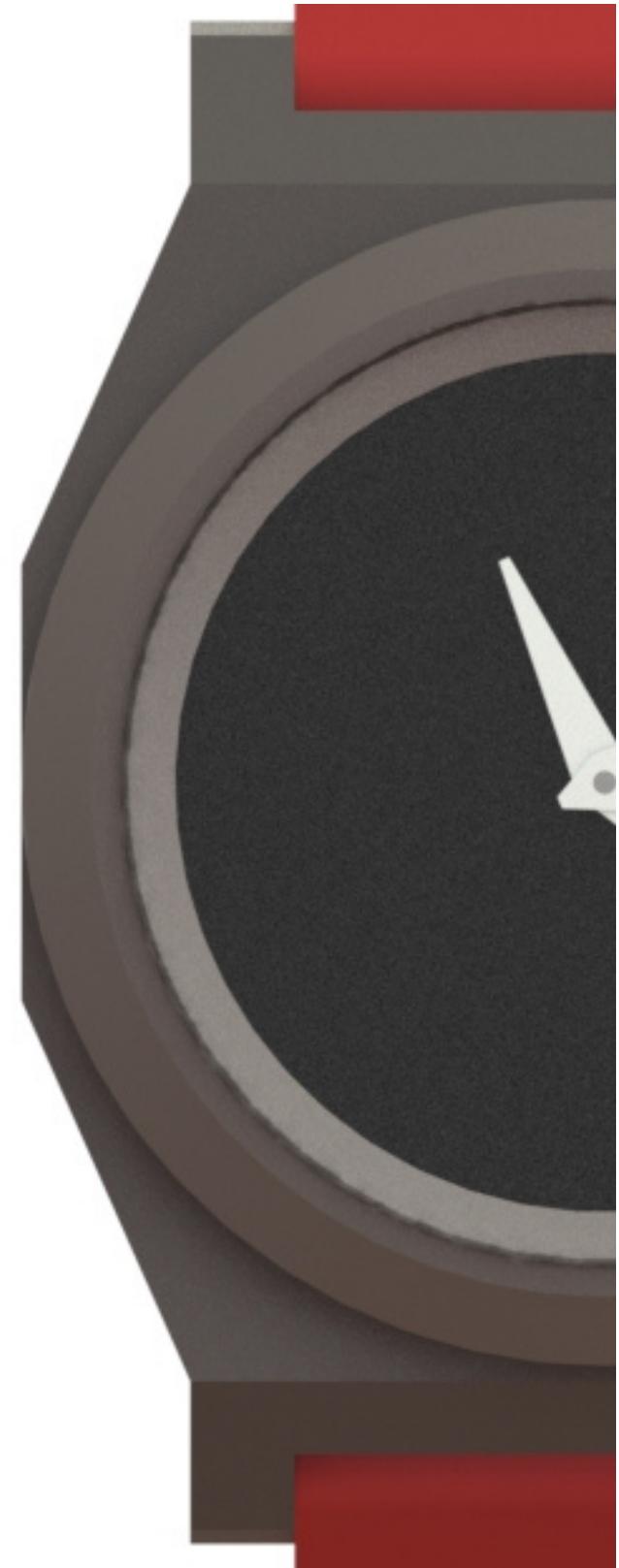
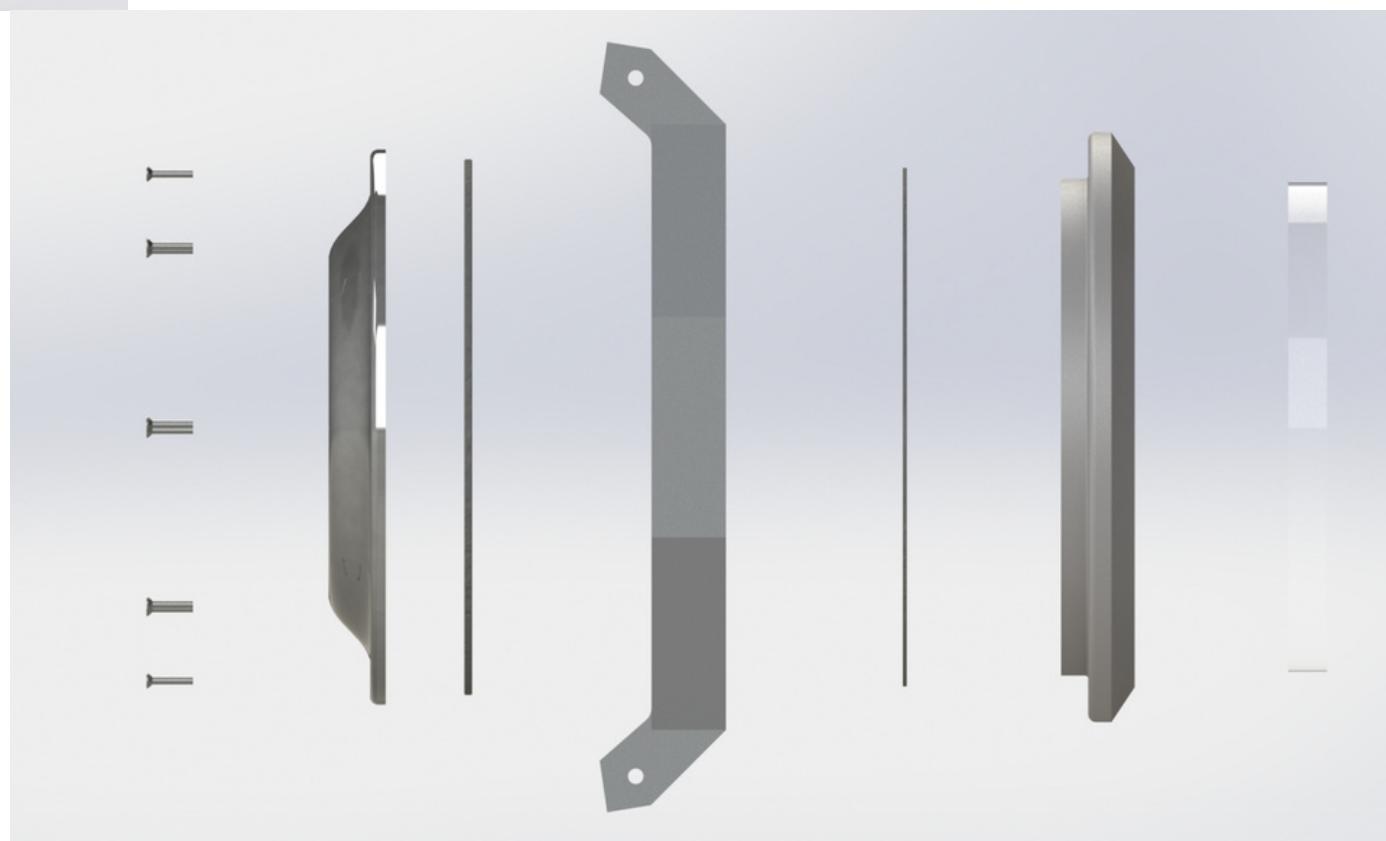
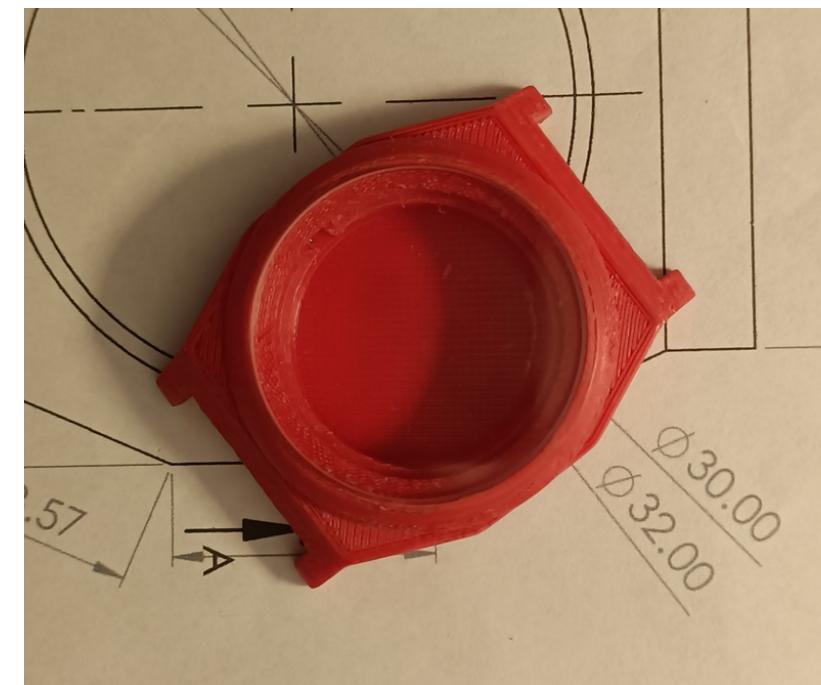
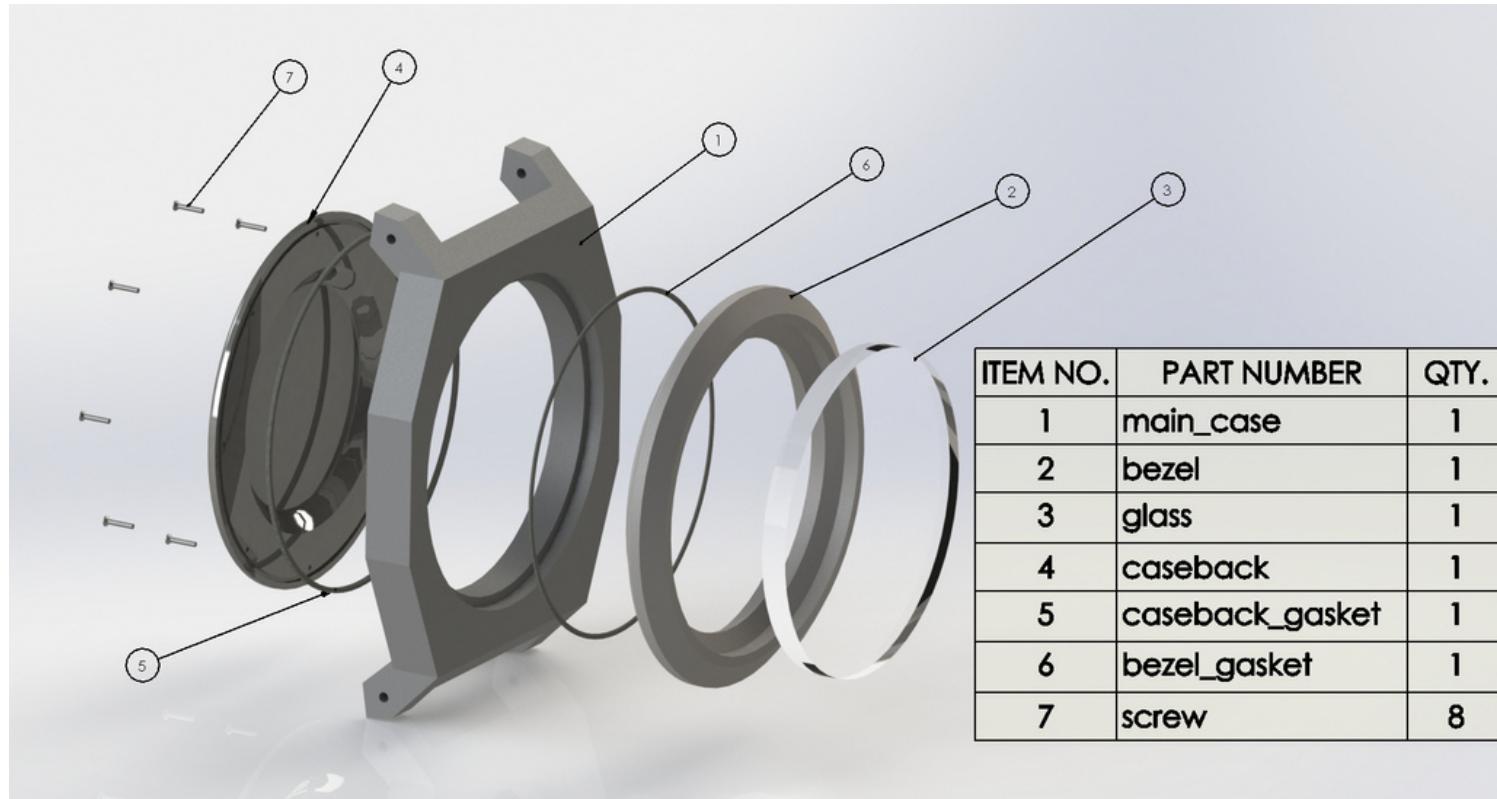




Cassa in acciaio da 38mm e spessore di 12,6 mm,  
misure contenute e "per tutti i polsi".

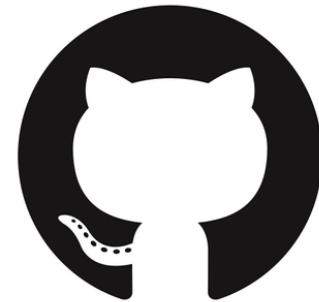
# Watch

LAVORI CONTATTI



Molti dei miei progetti  
sono Open Source e  
scaricabili da **Git Hub** o

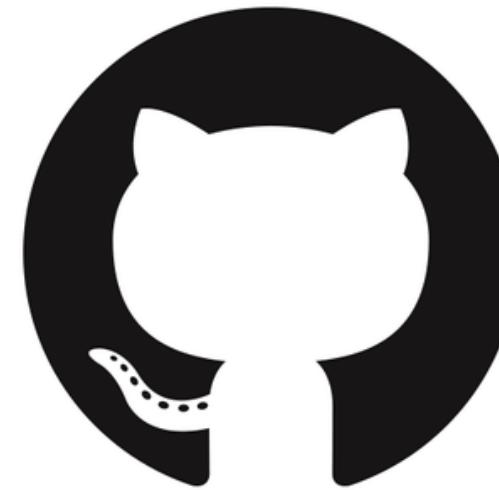
## Printables



<https://github.com/LeonardoRamazzotti>



<https://www.printables.com/social/323450-leonardo-ramazzotti/models>





## Curriculum Vitae

### INDIRIZZO

Via delle Corti 54 Campi  
Bisenzio (FI)

### E-MAIL

leonardo.ramazzotti95@gmail.com

### TELEFONO

+39 3482774102