

Alessia Talò

31 March 2026

# On this skin and beneath

How can emotional memory, shaped by personal, social, and cultural history, be translated into a wearable that supports reflection on embodied experience?

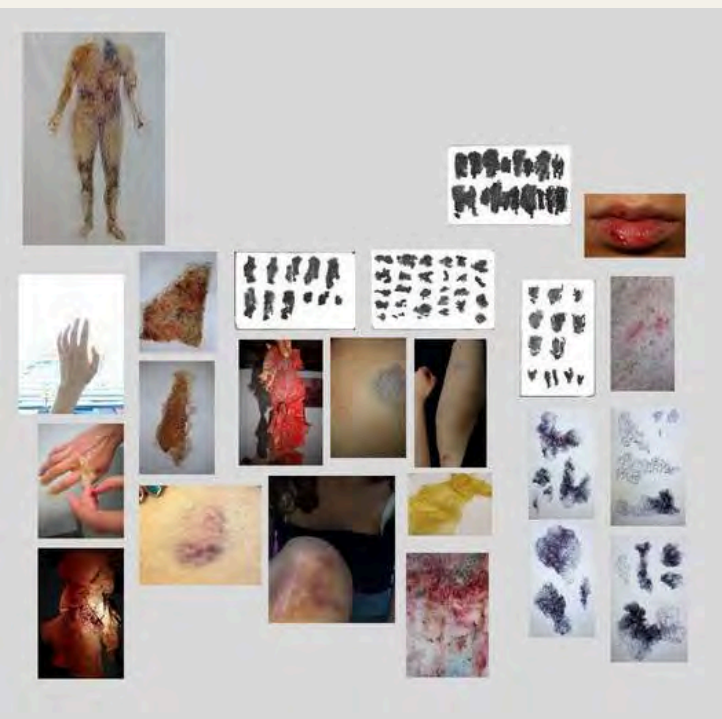


“Emotional experiences are not disembodied  
abstractions – they are  
**felt, lived, and mapped** within our own body”

Daikoku, T. et al (2025). *Mapping Emotional Feeling in the Body: A  
Tripartite Framework for Understanding the Embodied Mind*. Neuroscience  
& Biobehavioral Reviews







# Design methodology

## Emotional Memory

Feelings shape what and how we remember

## Emotional Mapping

Links emotions to bodily region

## Body Mapping

Visual and narrative tools to reflect on lived experience

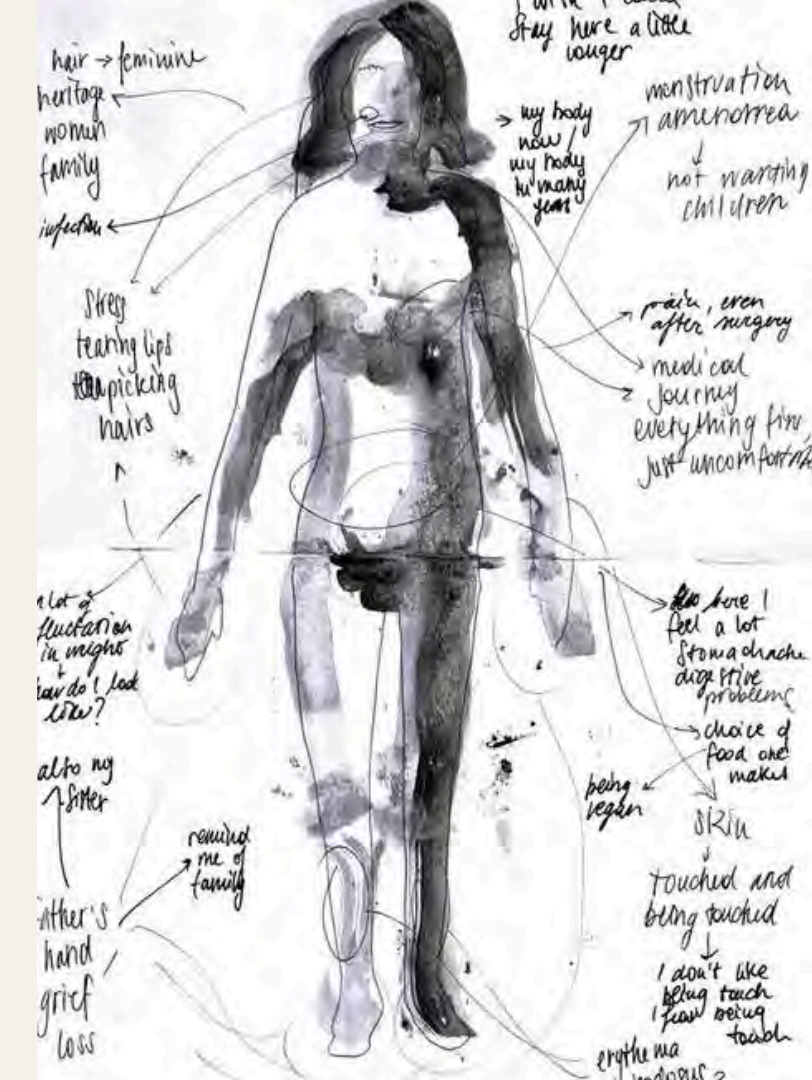
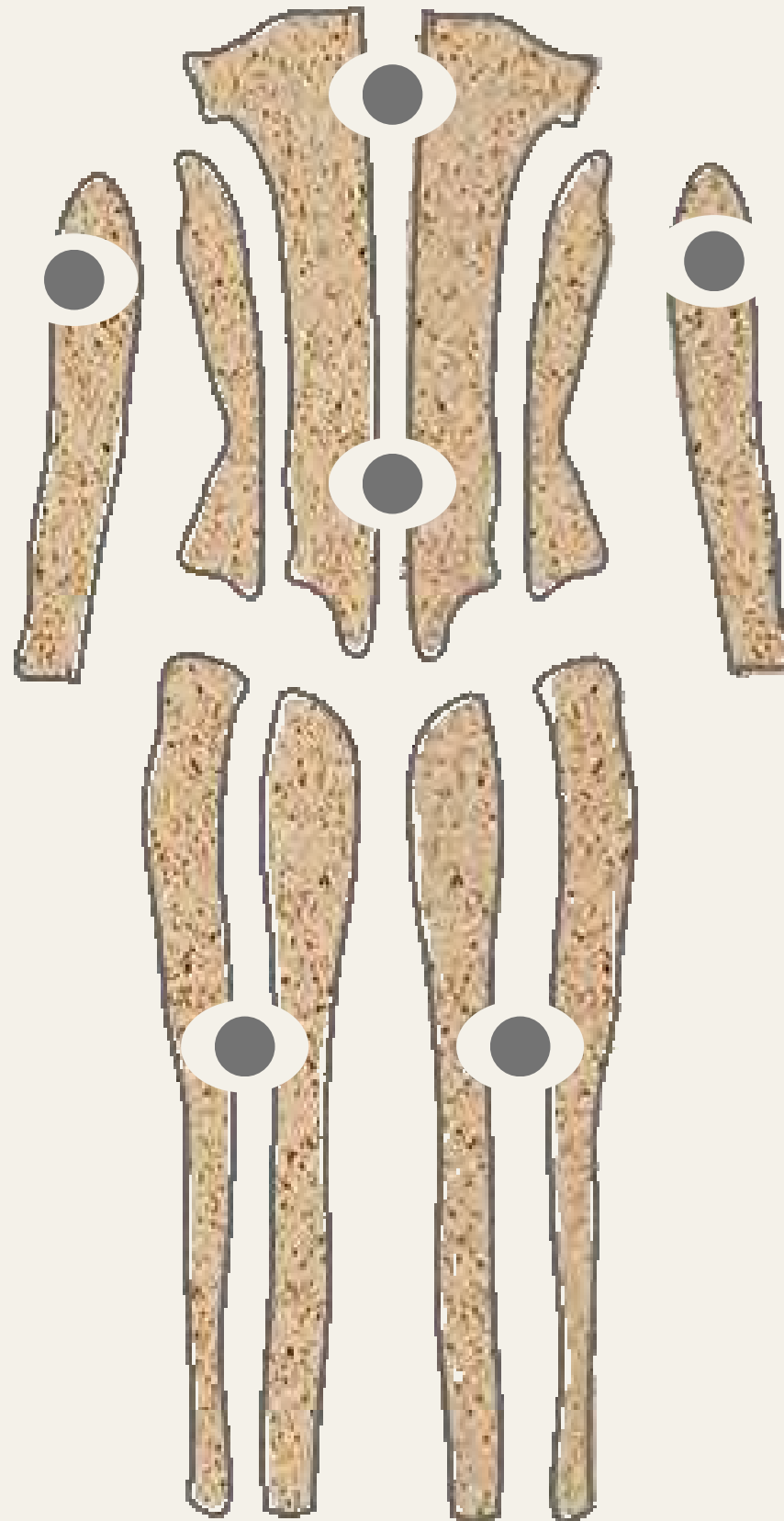


Image from *Body-Map Storytelling as Research* (D. Gastaldo et al., 2012):

1st layer



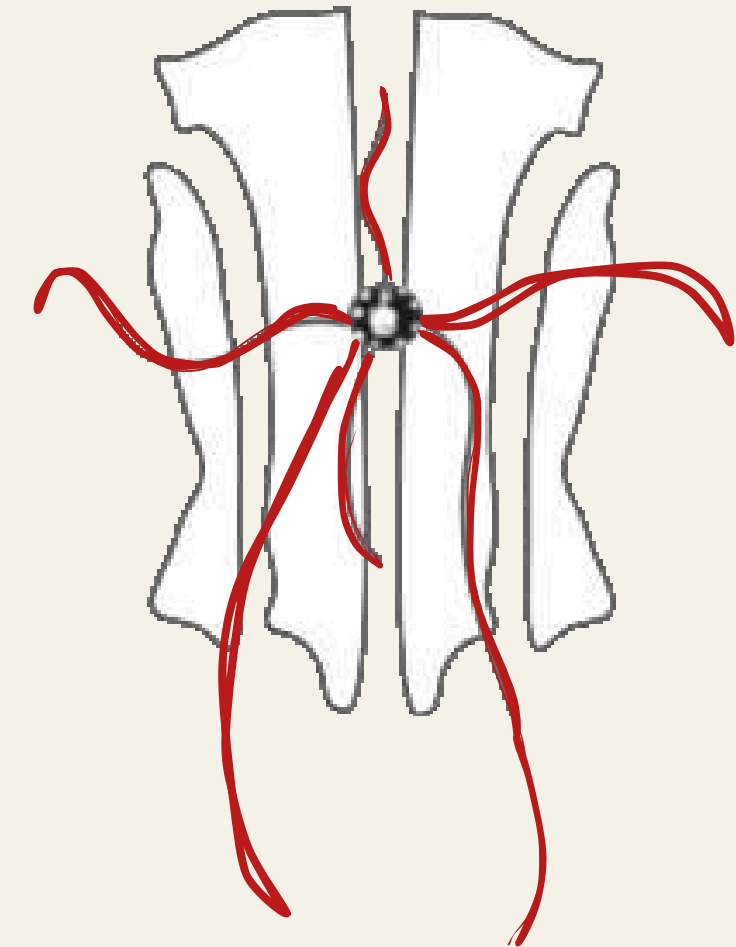
**Bodysuit**

bio-skin

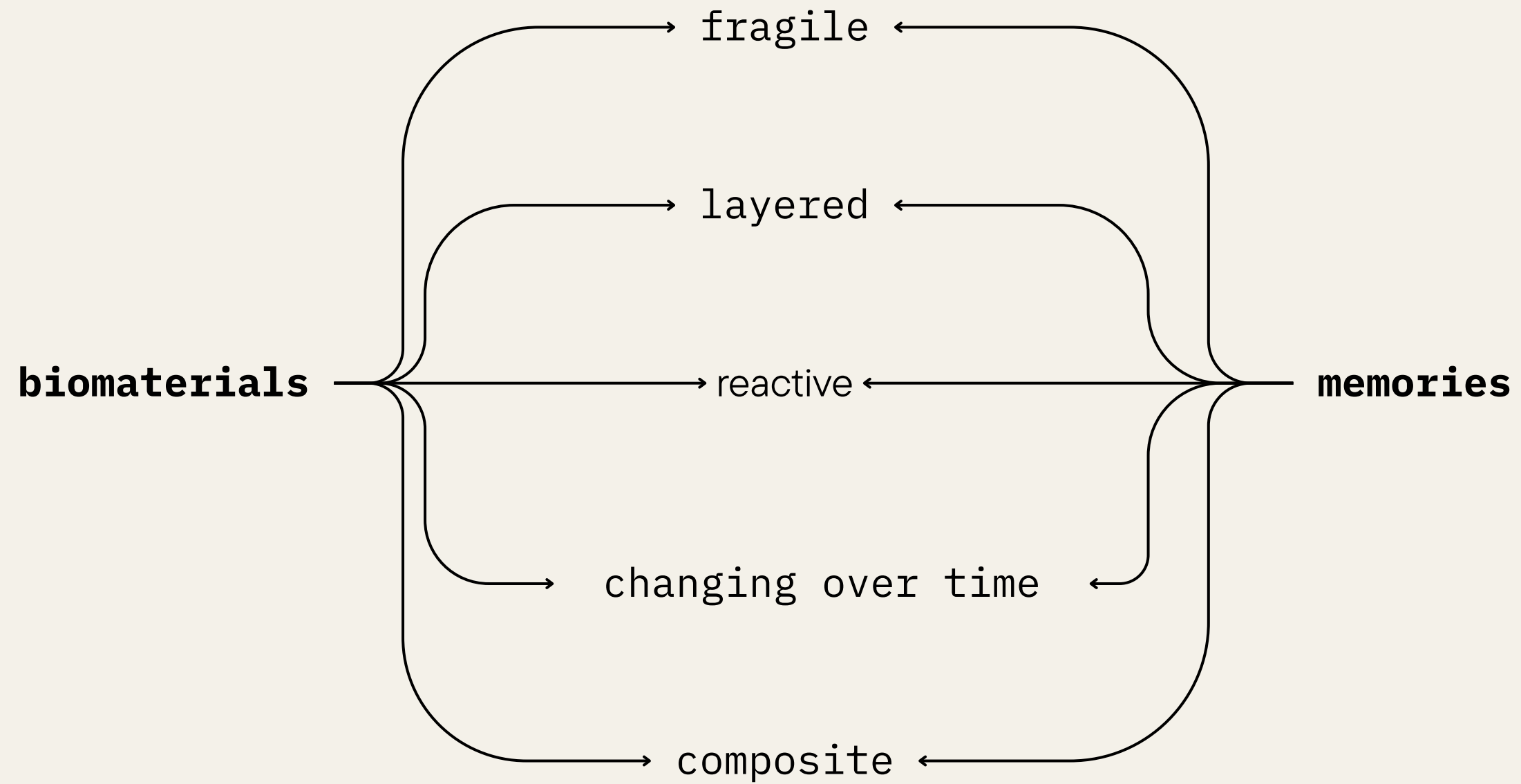
touch sensors

microcontroller

2nd layer

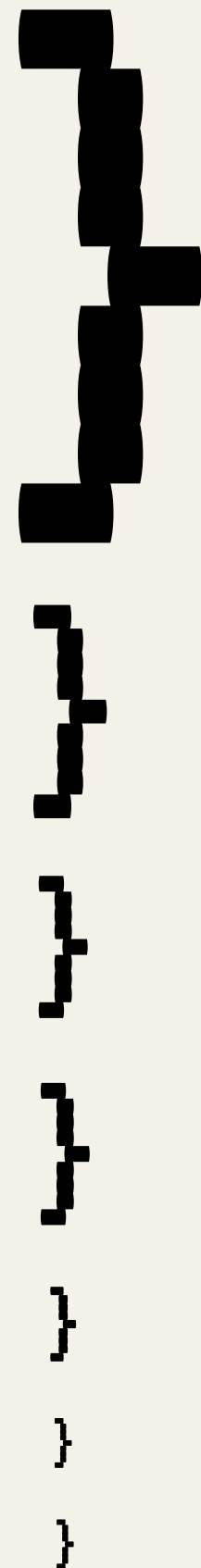


# Material language of memory





# Bio Skin Making



5l water

450 ml glycerine

150-170 g apple peel

140-150 g apple peel

30 g oil

5-8 drops citric acid

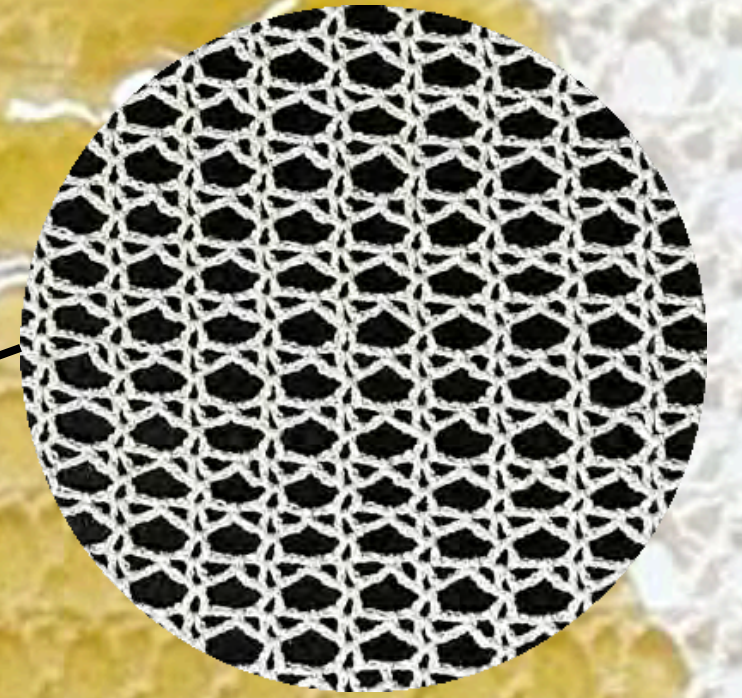
3-6 dropss essential oil

90% PA / 10% EA  
high-stretch synthetic fabric



➤ Pouring Alginate into the Mould

**100 % cotton yarn  
crochet**

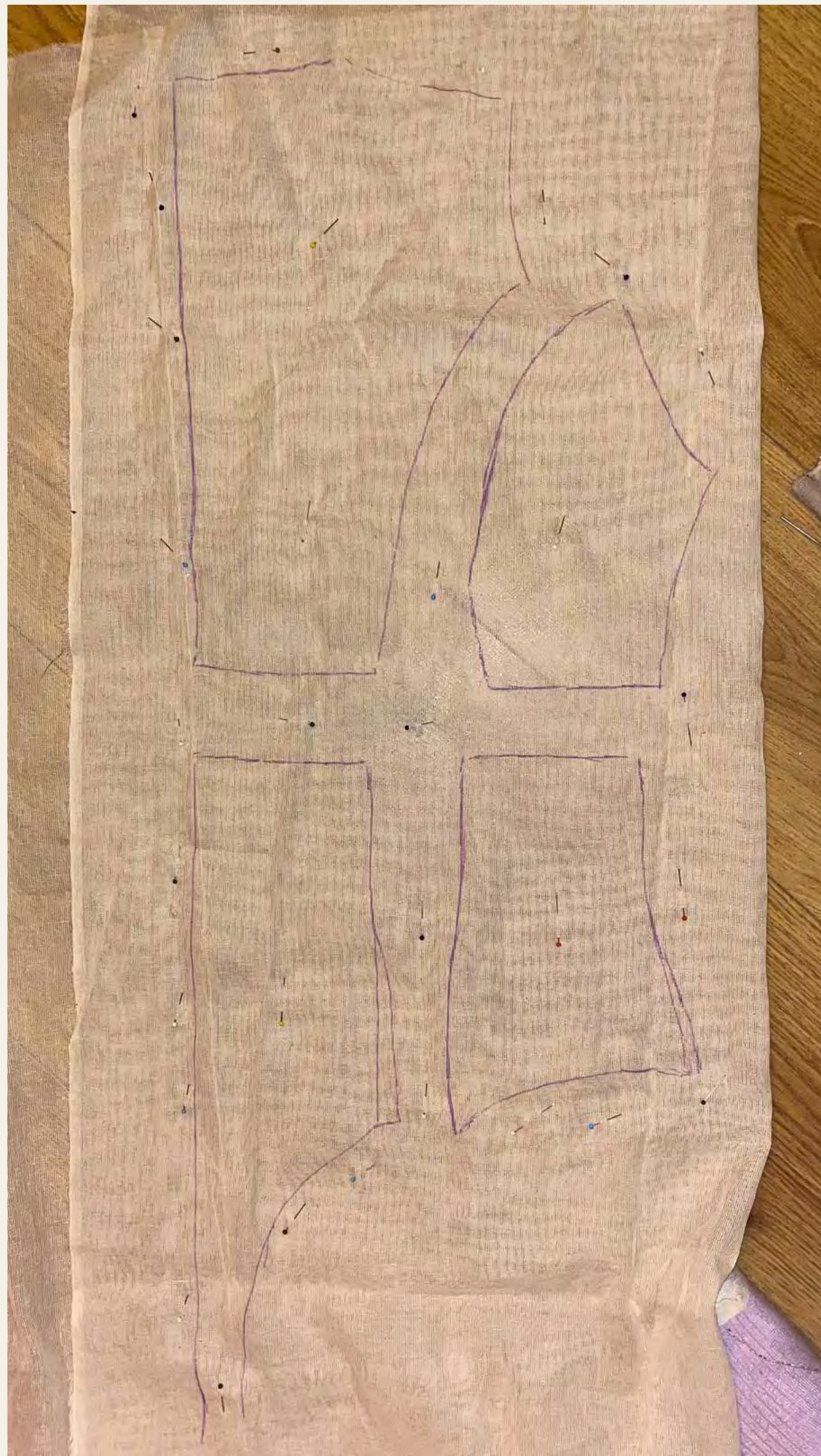


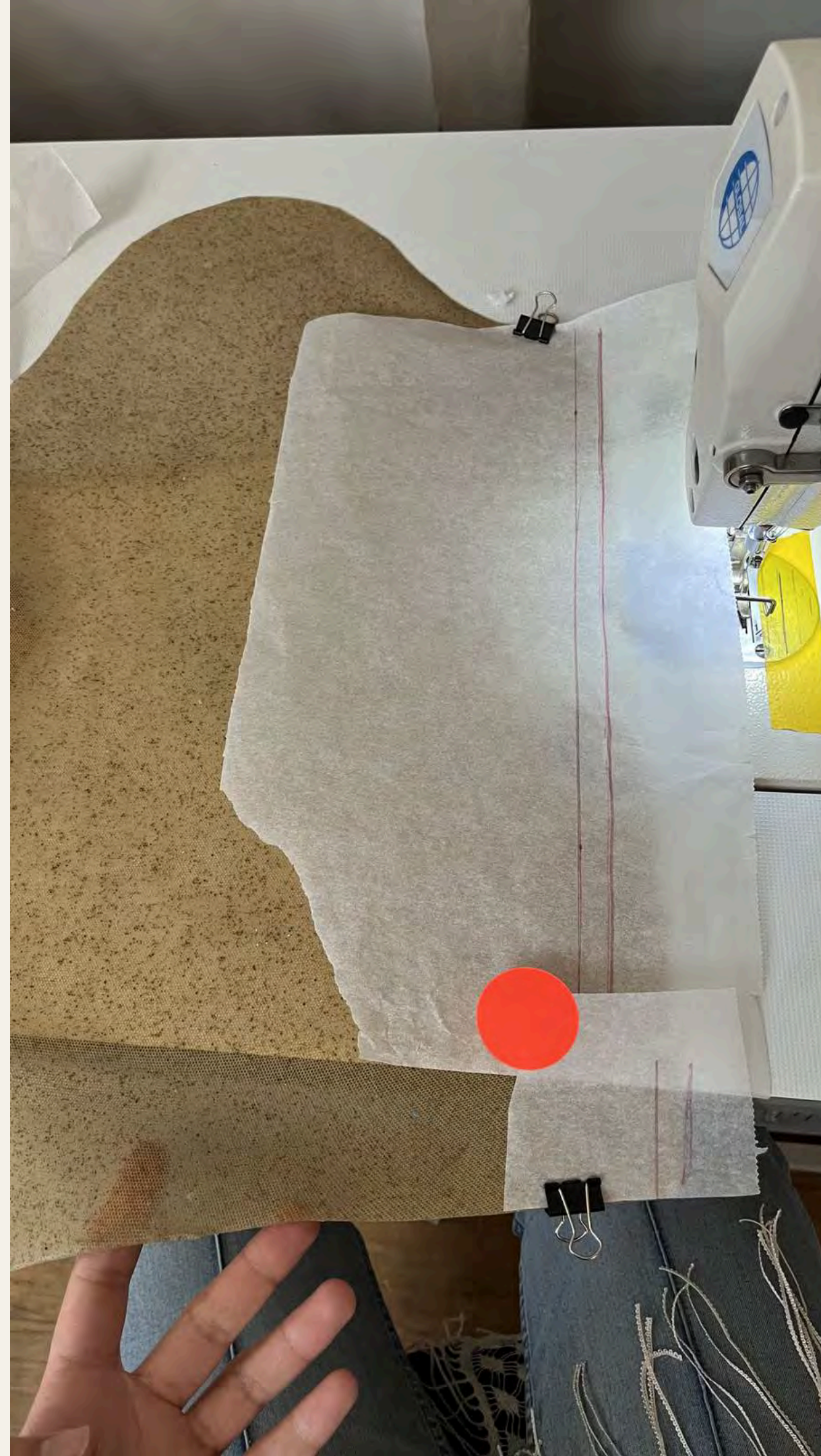
**➤ Pouring Alginate into the Mould**



➤ Checking the Results







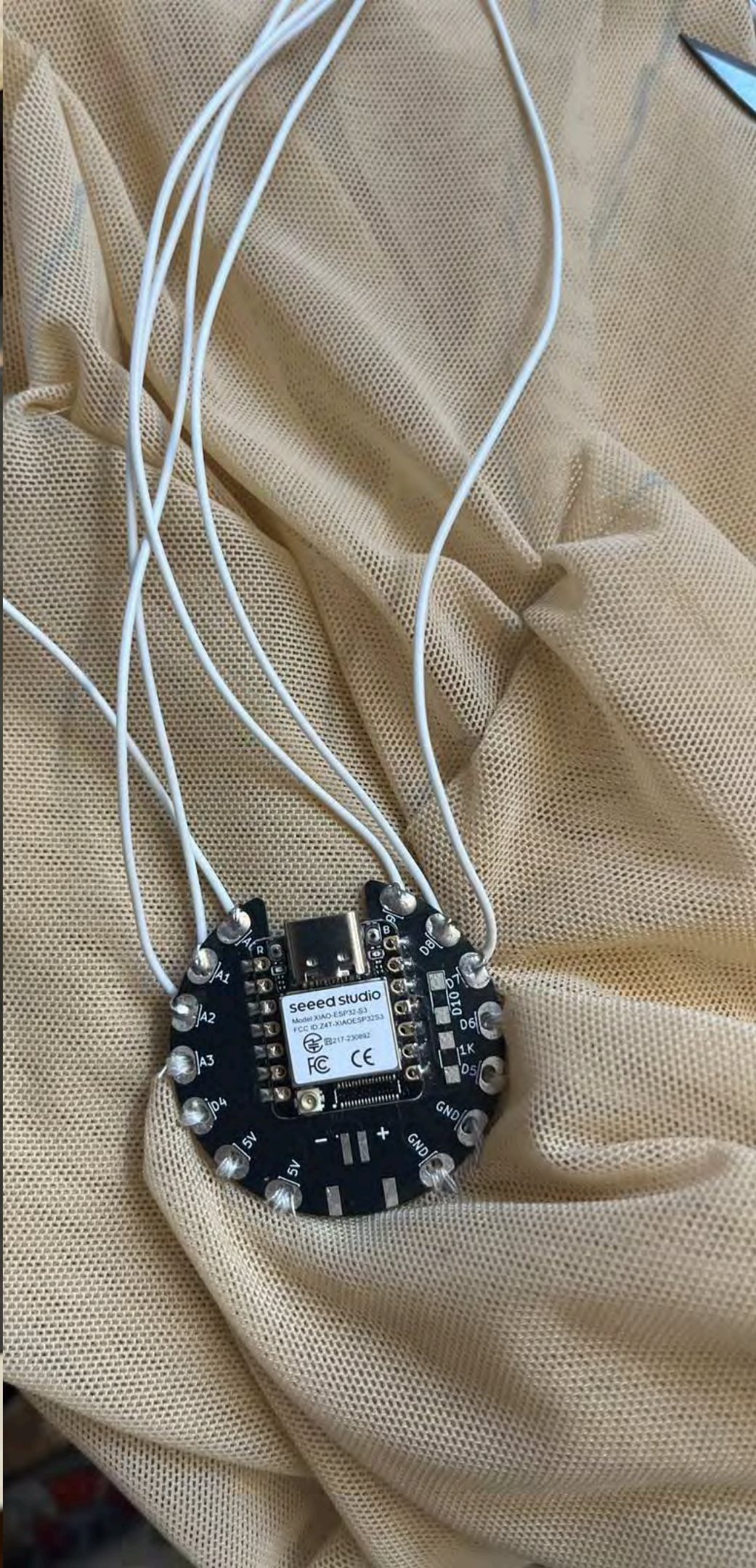
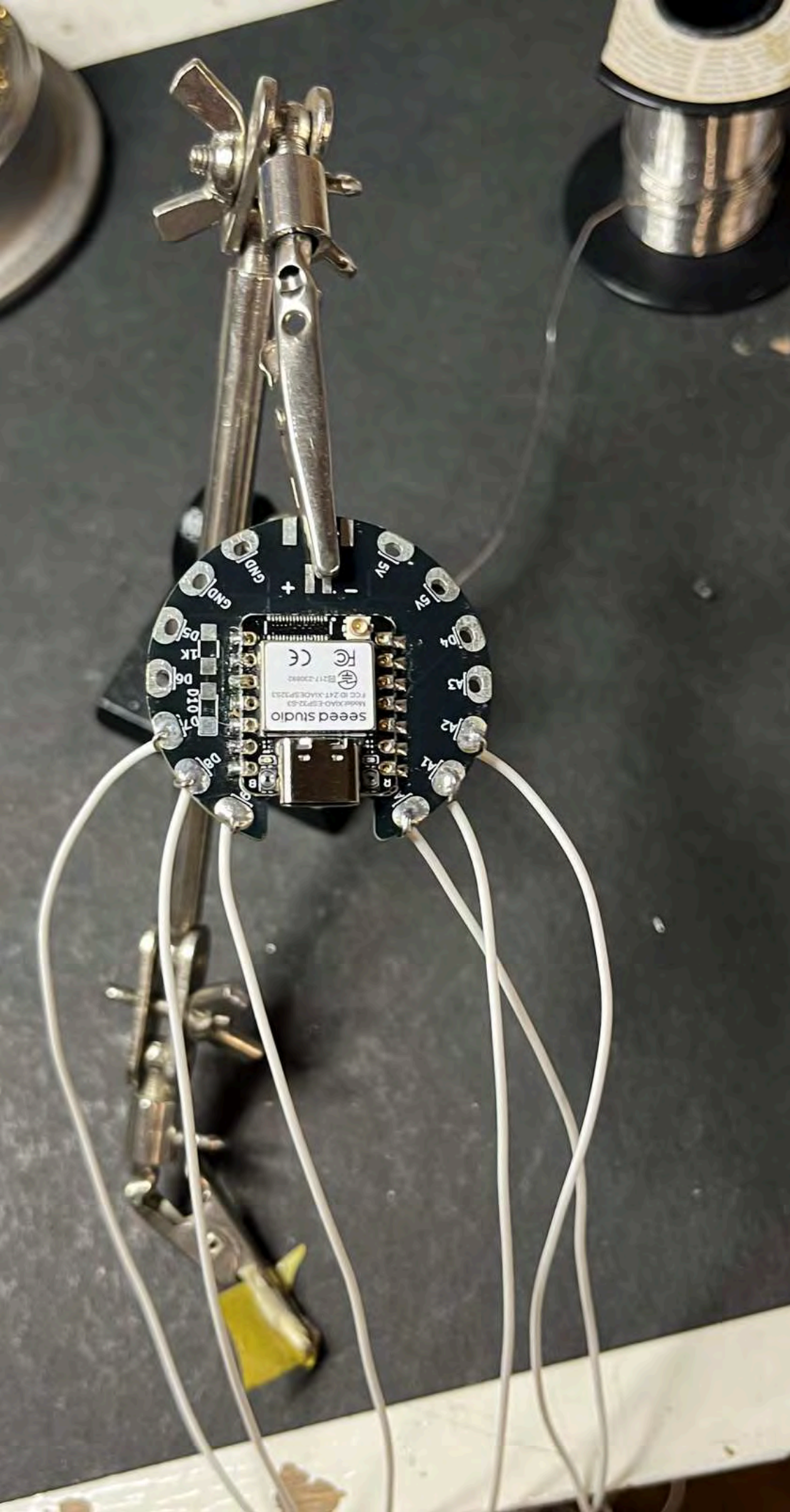
Machine Stitching



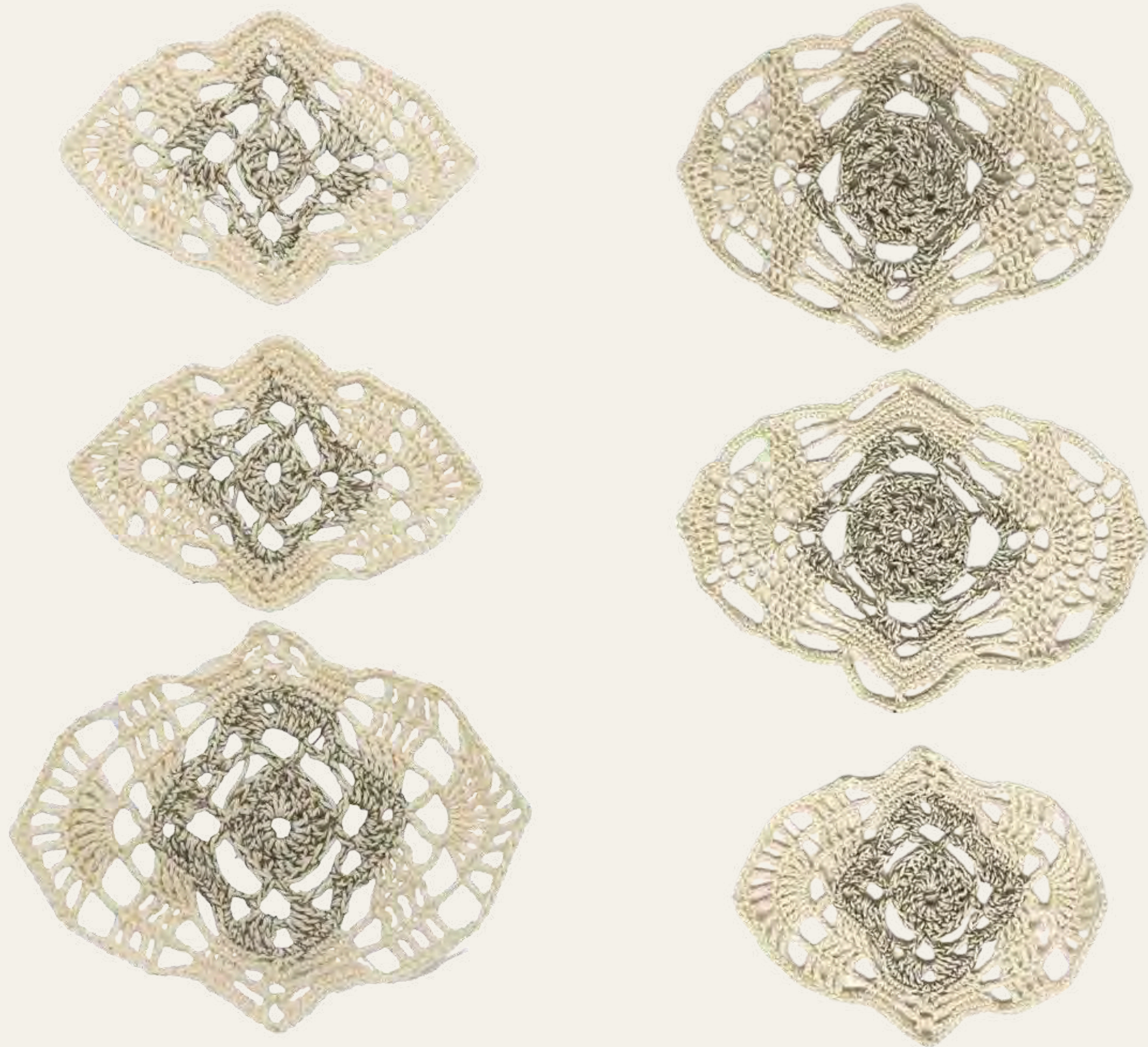
↗ Hand Stitching

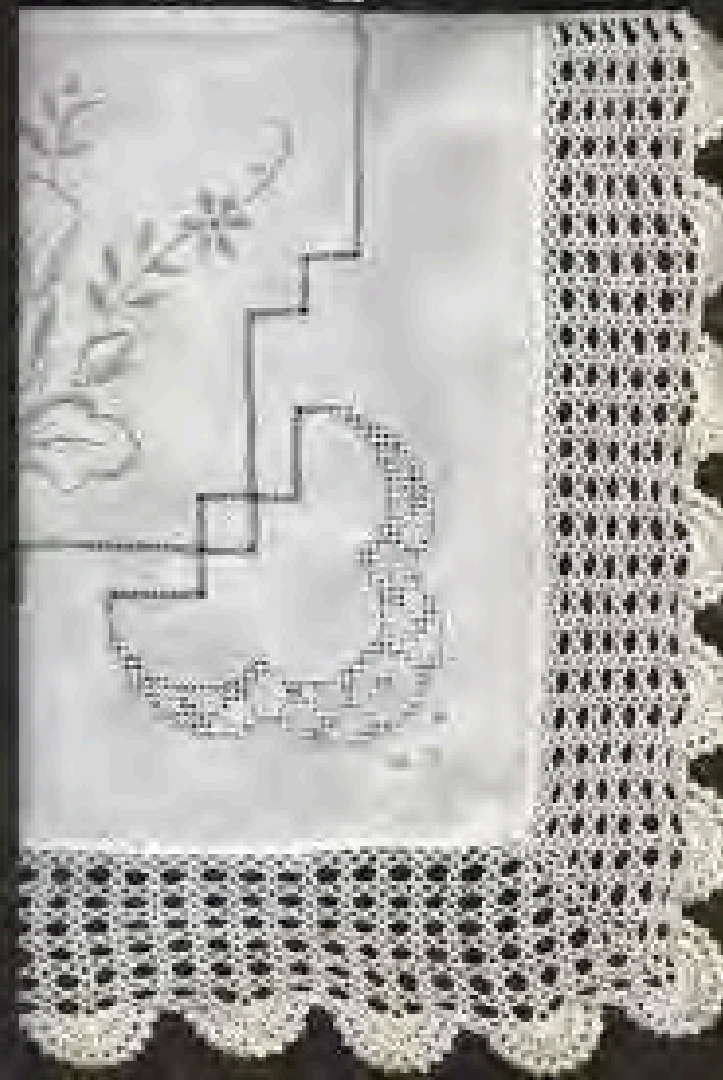
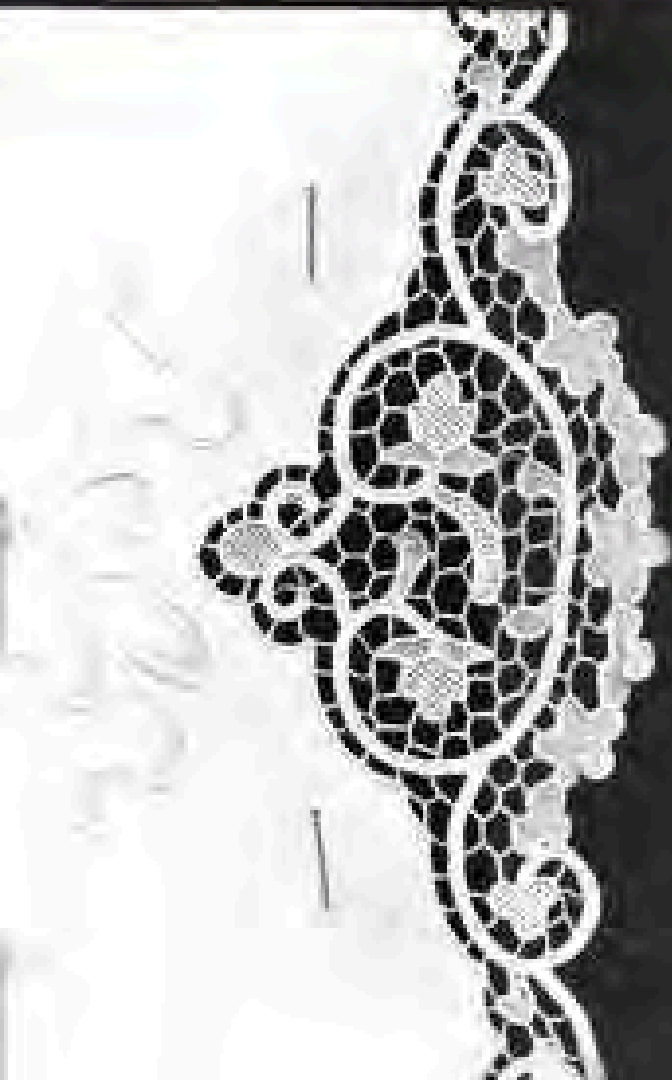
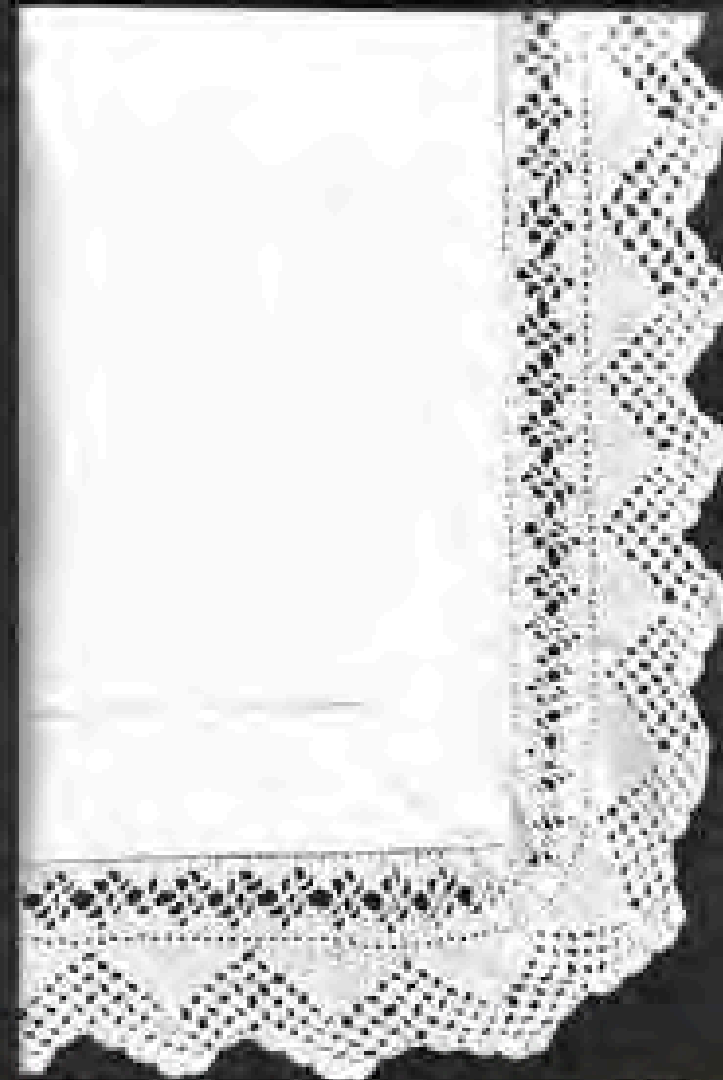


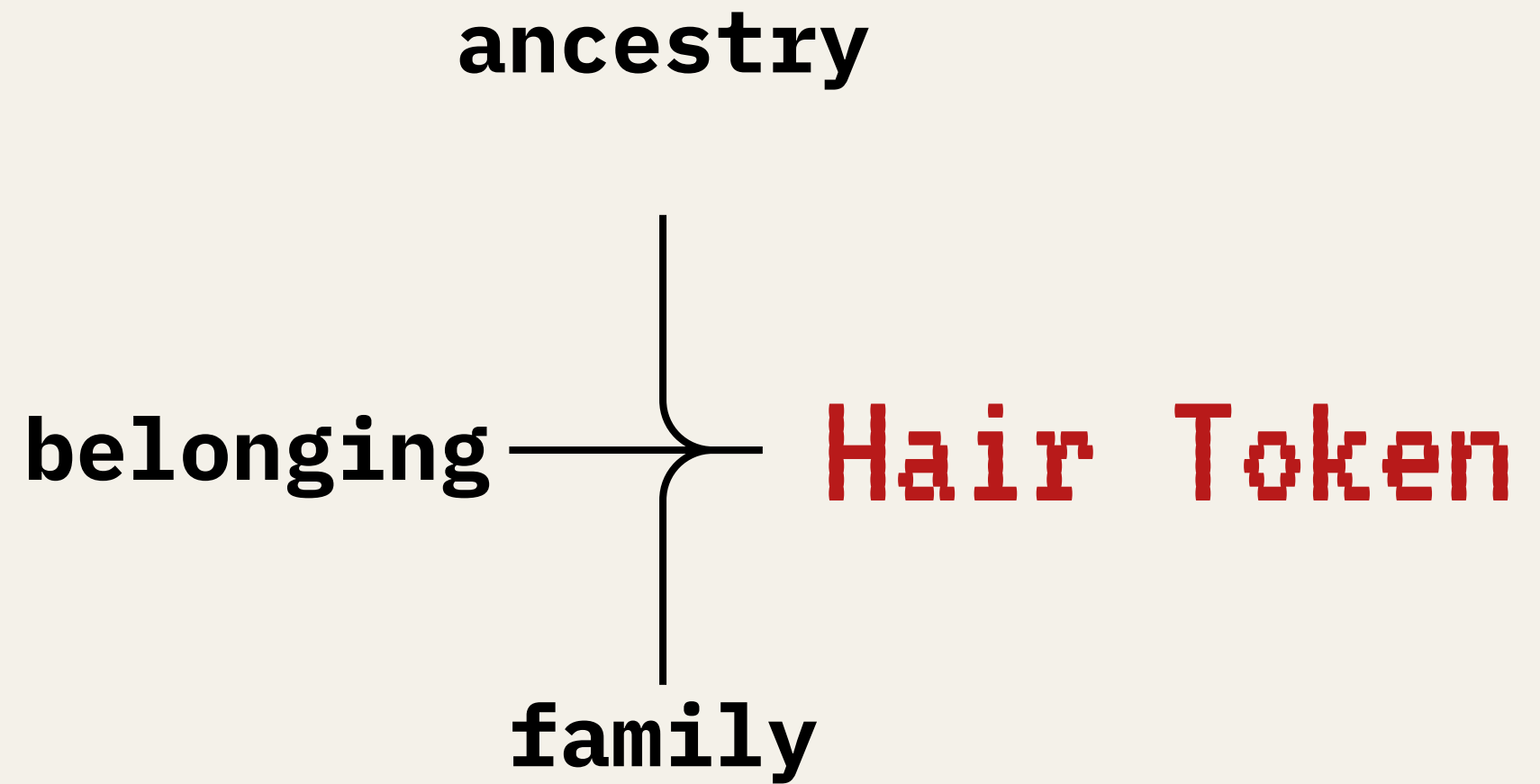
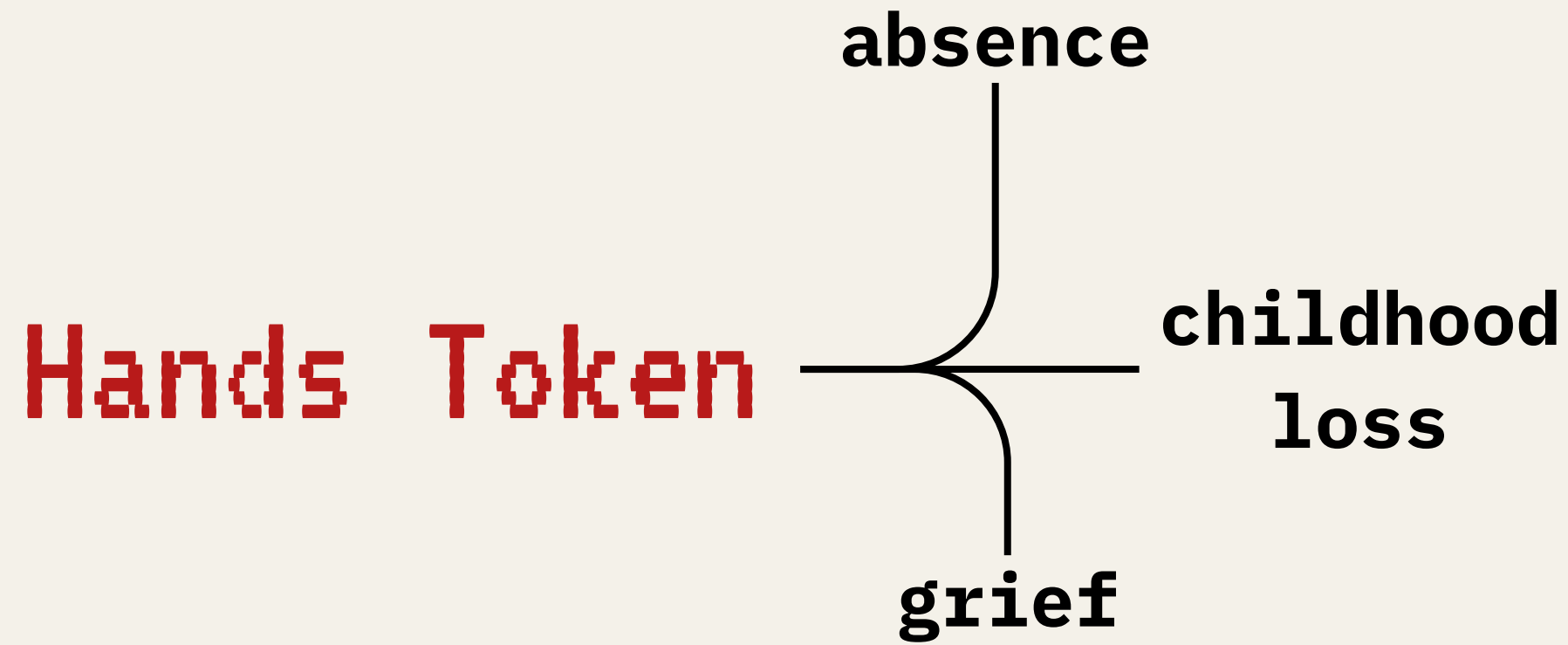
Final Pattern



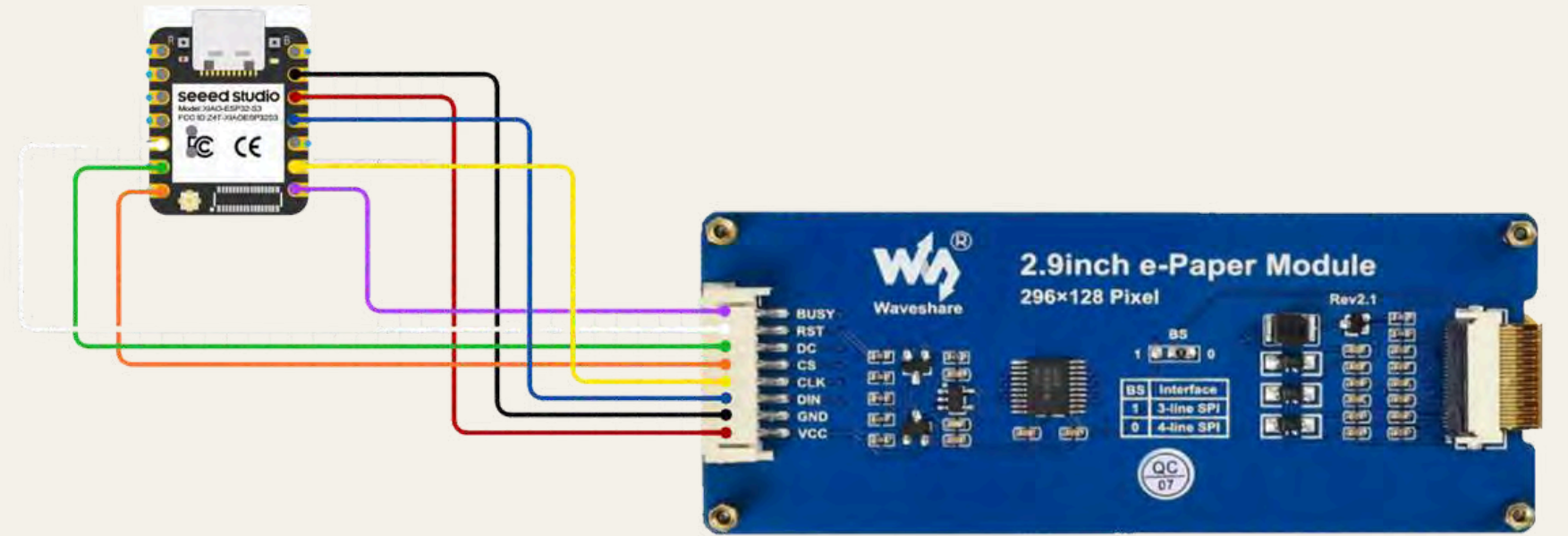
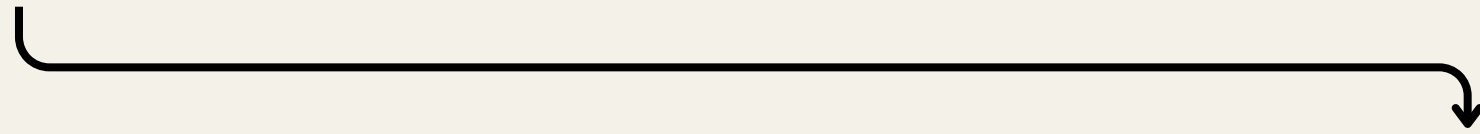
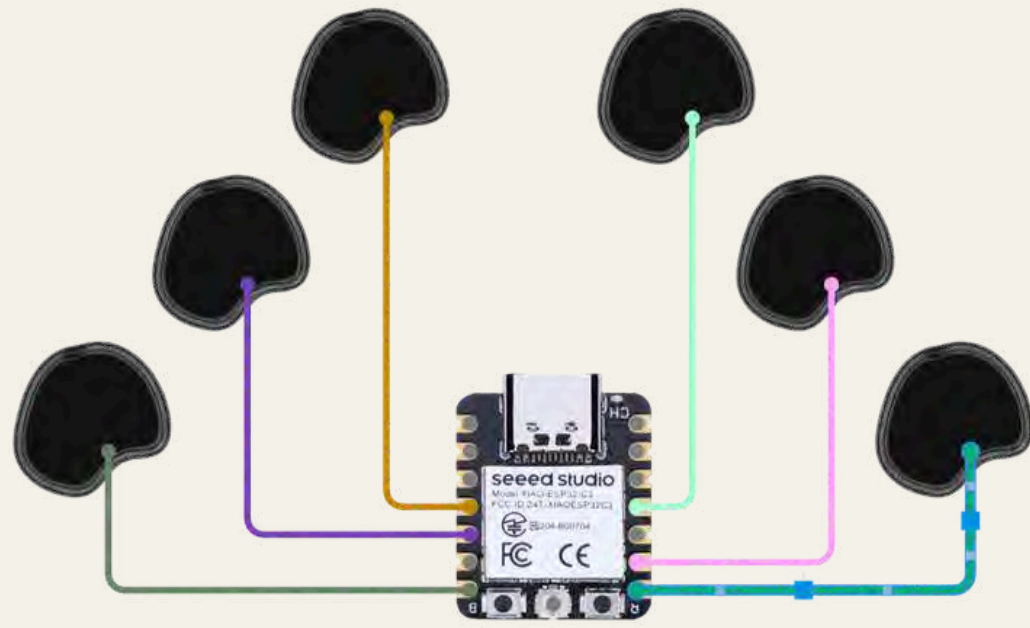
# Touch Sensors

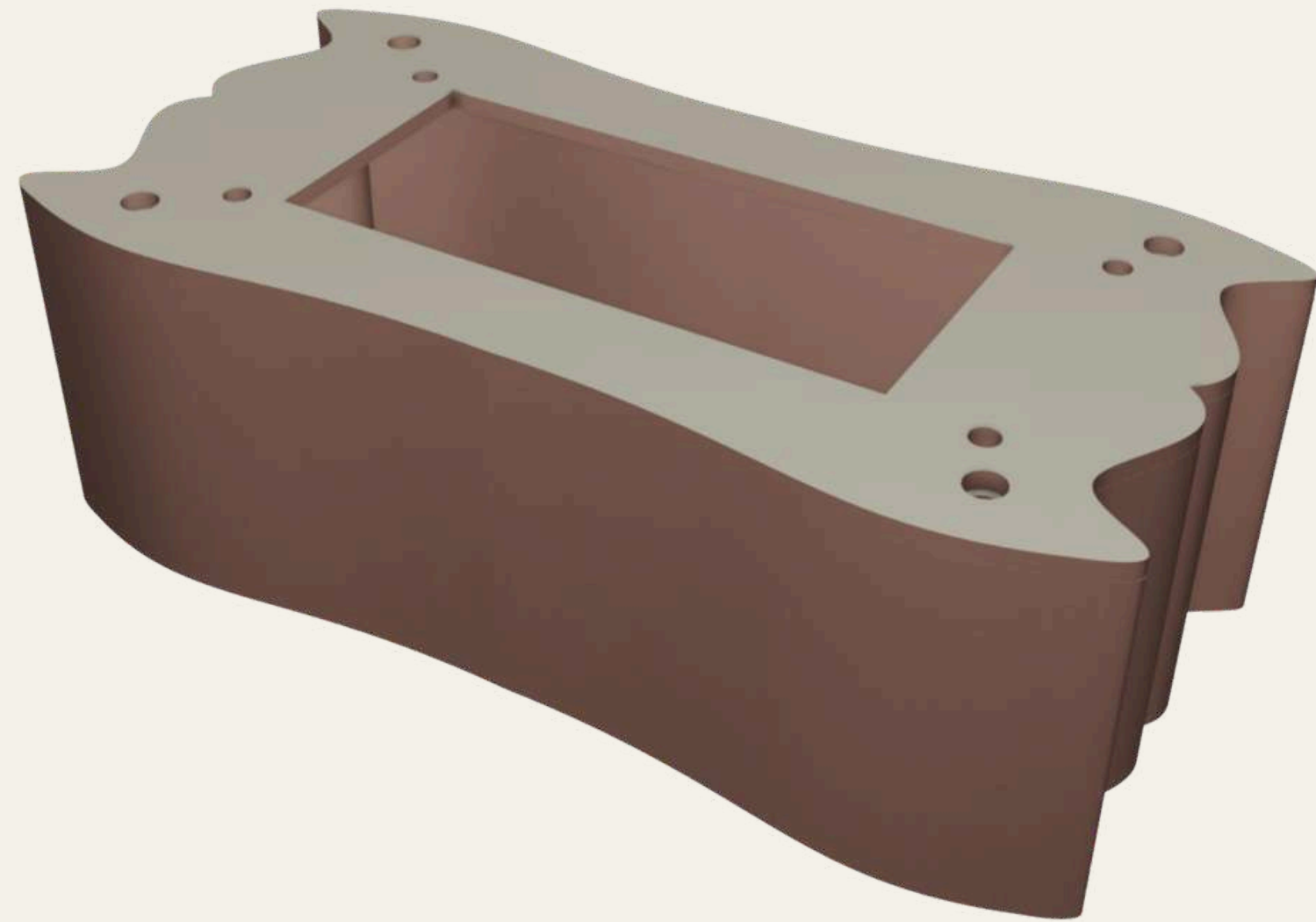






# ESPNOV Protocol





[↗ Display Case](#)



↗ Display Changing on Touch





Thank You!



[↗ Rotating\\_piece](#)