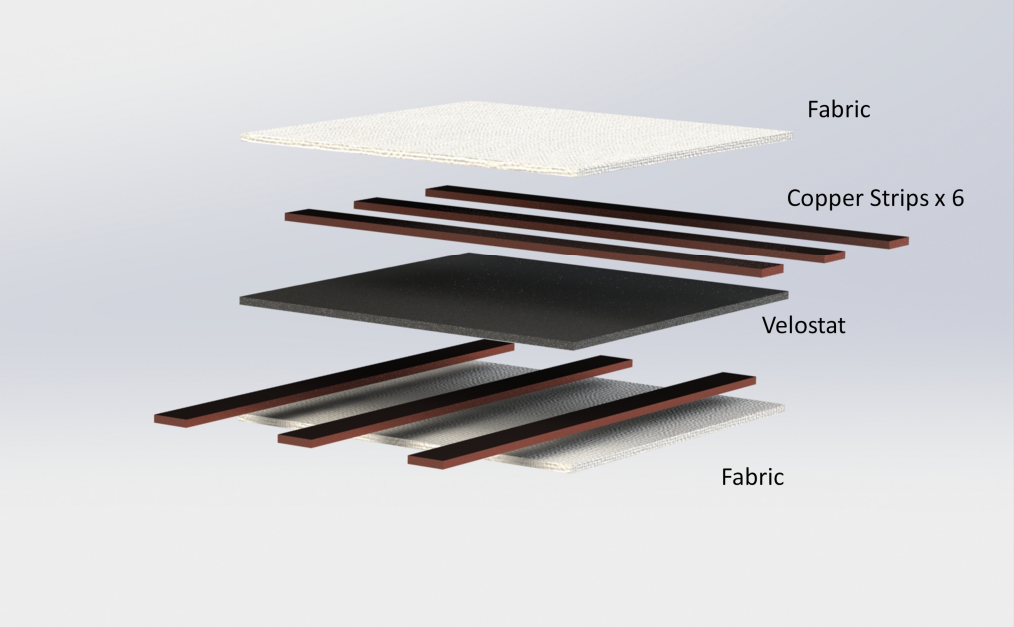
FSR Description

- The force sensitive resistor(FSR) array was made of conductive velostat in the middle layer. Copper strips were place above and below the velostat. The top 3 strips were perpendicular to the bottom 3 strips.Each strip was connected to an analog input pin. Fabric were used as enclosure for the whole structure.
- The FSR array was capable of sensing the magnitude applied to the surface as well as the location of the pressure.



FSR array Wiring

- Multiplexer to reduce the number of analog pin
- When the FSR is not being pressed, the resistance can be as high as 500k ohm.
- When the FSR is pressed, the resistance can drop to around 100 ohm.
- 3 pull-up resistor is needed for analog input to the microcontroller.