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| Main controller  Power supply route  Motor/locking control  Sensors and Communication Section (net, gps..) | Printed Circuit Board | This is the main circuit board for the trackRX cap design with different components connected together as shown. |
|  | Cup designs | The current cup design, with the front, back and top. |
| Open  Front    Closed | Bottom lock Mechanism | The current bottom mechanism design. the lock is remotely activated from the dashboard. |
|  | Device during trial(current state). | Smart cap. |
|  | Drilling of the trackRX pcB | TrackRX pcb. |
|  | On device top locking mechanism. (Early version) | Attract and retract based on given command. |
|  | Top Locking mechanism | Closed(if no fingerprint has been detected) |
|  | Top locking Mechanism | Opened if finger print has been identified. |
| Sensory Point | Pills extraction point | Sensor included below (later will be covered with transparent glass) |
|  | Sensor output variations. | From 210-300 no pills have been detected  From 310, 340 etc., a pill has been detect coming out of the bottle. |