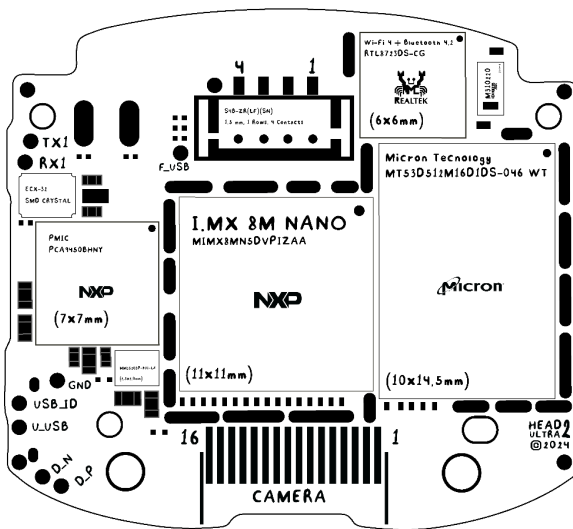


Dimensions

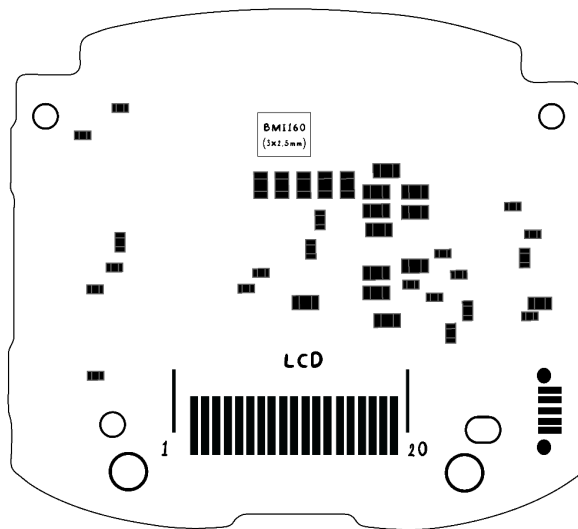
W: ≈33mm

H: ≈30mm

Back



Front

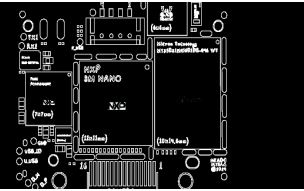


Requirements:

Back Side

- * The PCB must fit inside of an official Vector shell.
- * All of the holes and cuts on the PCB must be replicated. Don't put components right next to these holes. Pads are fine.
- * Design around the display and camera pads and the body connector.
- * Simulation of schematic diagram.
- * BOM, Gerber and all project source files in Altium.
- * **MIMX8MN5DVPIZAA** (I.MX 8M NANO)
- * LPDDR4 **MT53D512M16D1DS-046 WT** Micron Technology (Combo chip).
- * Include RS232 serial pads (no usb or microsd).
- * PMIC NXP **PCA9450BHNY**
- * Wifi/B both in one single chip **RTL8723DS** (Combo Chip)
- * Antenna **M310220** kyocera avx
- * Camera (1MP or 2MP)
- * Connector **S4B-ZR(LF)(SN)** 1.5 mm, 1 Rows, 4 Contacts

HEAD
ULTRA2
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Front Side

* IMU **BMI160** must be in the same spot as it is on the official board. It must be in the same spot as it is on the original board.

* Display **ST0103A2W-WSNLW-F** (Interface SPI)
