

Components

Component Name	Description	Datasheet Link	Purchase Link
ST0103A2W-WSNLW-F_A04	Display Oled	http://www.santechnology.com/pdf/Digikey/Stand	https://it.aliexpress.com/i/1005006103666704.html
BMI160	IMU 6-Axis	Datasheet & Ecad Mouser Link	https://it.aliexpress.com/item/1005006347655050
NXP MIMX8MN5DVPIZAA	CPU+AI Co-Processor	https://www.mouser.it/datasheet/2/302/IMX8MNC	https://www.mouser.it/ProductDetail/NXP-Semiconductors/MIMX8MN5DVPIZAA
NXP PCA9450BHNY	PMIC	https://www.mouser.it/datasheet/2/302/PCA9450	https://www.mouser.it/ProductDetail/NXP-Semiconductors/PCA9450BHNY
M310220 Kyocera Avx	Ceramic Antenna (w/b)	https://www.mouser.it/datasheet/2/40/AVX_E_M3	https://www.mouser.it/ProductDetail/KYOCERA-AVX/M310220
ADG824BCPZ-REEL7	RF Switch for antenna diversity	https://www.mouser.it/datasheet/2/609/ADG824-1	https://www.mouser.it/ProductDetail/Analog-Devices/ADG824BCPZ-REEL7
Mini Camera 5MP	Autofocus, around 110° FOV	https://www.iadiy.com/MCM5M120M6F1.pdf	https://www.iadiy.com/camera-module/MIPI-camera-module
JST B4B-ZR-SM4-TF	Connector	https://www.jst.com/products/insulation-displacer	https://www.digikey.it/it/products/detail/jst-sales-america-inc/B4B-ZR-SM4-TF
RS PRO - Miniature Speaker	External Speaker	https://docs.rs-online.com/673f/0900766b8168e0	https://uk.rs-online.com/web/p/miniature-speakers/1797441
NC7SP125P5X	Buffer	https://www.onsemi.com/PowerSolutions/product	https://www.mouser.it/ProductDetail/onsemi-Fairchild/NC7SP125P5X?qs=TWXTHlu%252B82nb7FG
MAX98357AETE+T	DAC	https://www.mouser.it/datasheet/2/609/1/MAX98	https://www.mouser.it/ProductDetail/Analog-Devices-Maxim-Integrated/MAX98357AETE+T
ADP191ACBZ-R7	power switch, control power	https://www.mouser.it/datasheet/2/609/ADP190	https://www.mouser.it/ProductDetail/Analog-Devices/ADP191ACBZ-R7?qs=WlvQP4zGaniqVZQregM