Comment	Description	Designator	Footprint	LibRef	Quantity
2450AT18B100	2.45 GHz chip antenna	A1	2450AT18B100	Johanson 2450AT18B100	
AMM-3742-T-WP-R	Microphones MICROPHONE -42 DB 2 VDC 200 UA 300 OHM,20 Hz ~ 20 kHz Analog Microphone MEMS (Silicon) 1.5 V ~ 3.6 V Omnidirectional (- 42dB +/-1dB) Solder Pads	B1, B2	AMM3742TWPR	AMM-3742-T-WP-R	
BMI270	IMUs - Inertial Measurement Units Smart Ultra-Low Power Inertial Measurement Unit (IMU) for Wearable Applications	B3	BMI270	ВМІ270	
0.7p	Capacitor, NPO, ±2%	C1	CAPC0603X03L_C	CAP_0201_0p7	
1uF	Capacitor, X5R, ±5%	C2, C3, C5, C7, C10, C14, C15, C32, C38, C40, C54	CAPC1005X04L	CAP_0402_1uF	
2.2nF 100nF	Capacitor, NPO, ±2%  Capacitor, NPO, ±2%	C4 C6, C8, C9, C11, C12, C13, C16, C17, C21, C26, C27, C28, C29, C33, C34, C39, C41, C42, C44, C47, C48,	CAPC0603X03L_C	CAP_0201_2n2 CAP_0201_100nF	
10.5	Cit VED 150/	C51, C53	CADCHOOLAGA	CAD 0402 10-5	
10uF N.C.	Capacitor, X5R, ±5% Capacitor, NP0, ±2%	C18, C20, C52 C19, C35, C36, C37	CAPC1005X04L CAPC0603X03L_C_NC	CAP_0402_10uF CAP_0201_NC	
2.2µF	Capacitor, Ceramic, X5R, ±10%, 10V	C22	CAPC1608X06L	CAP_0603_2u2F	
10uF	Capacitor, X5R, ±10%	C23, C24, C25, C30, C49	CAPC1608X06L	CAP_0603_10uF	
22μF	Capacitor, X5R, ±20%, 6.3V	C31, C50	CAPC1608X06L	CAP_0603_22uF	
10nF	Capacitor, NPO, ±2%	C43	CAPC0603X03L_C	CAP_0201_10nF	
1u5F	Capacitor, X5R, ±5%	C45, C46	CAPC1005X04L	CAP_0402_1u5F	
PESD5V0V1BDSF	Very low capacitance bidirectional ESD protection diode	D1, D2, D3, D4	DFN40P60X30-2N	PESD5V0V1BDSF	
120R/0.55A	Ferrite Bead, 120 Ohm @ 100MHz, 500mA, 250 mOhm Max	FB1	INDC1005X04L	FB0402-120R@100M- 500mA	
General Purpose Audio Codec 4ADC / 2DAC Ch 42-Pin WLCSP T/R Source: Datasheet		IC1	BGA42C35P7X6_270X2 32X53	ADAU1787BCBZRL	
MM8130-2600	Coaxial Connector with Switch	)1	COAXIAL-SWF	MM8130-2600	
SM02B-SRSS-TB	1.0mm pitch connector side entry SMD	32, 33, 34, 35	SM02B-SRSS- TB(LF)(SN)	SM02B-SRSS-TB	
2.2nH	High frequency chip inductor ±5%	L1, L2	INDC0603X03L_C	IND_0201_2n2H	
10uH	Chip inductor, IDC,min = 50 mA, ±20%	L3, L4	INDC1608X06L	IND_0603_10uH	
2.2uH	FIXED IND 2.2UH 2.5A	15	INDC2016X10N	IND 0806 2u2H	
L0603R	87MOHM SMD LED, SMD, 0603, RED	LD1, LD2, LD3, LD5	LED_0603_R	LED_0603_RED	-
L0603Y	LED, Yellow, 0603, 590nm, Vf=2.0V.	LD4	LED_0603_Y	LED_0603_RED	
Pin Header 2x5, 1.27mm Angular	120mcd, - 40 to +85°C Pin Header 2x5, 1.27mm (50mil), SMD,	P1	HDR_2x5-SMD-1.27mm- ANG	Pin Header 2x5 SMD,	
DMC2990UDJ	Keying Shroud Angular MOSFET, Dual N and P- Channel, 20V, 450mA/ 310mA, 990mOhm,	Q1	SOTFL35P100X50-6N	1.27mm, ANG DMC2990UDJ-7	
DMN26D0UD3	MOSEET Dual No	Q2, Q3	SOTFL35P100X50-6N	DMN26D0UD3-7	
	Channel, 20V, 240mA, 1050mOhm, 300mW	1			
1M0 1M5	Resistor, ±1%, 0.05W	R1, R5, R8, R10, R13 R2	RESC0603X03L_C RESC0603X03L_C	RES_0201_1M0 RES_0201_1M5	
6K8	Resistor, ±1%, 0.05W	R3	RESC0603X03L_C	RES_0201_6K8	
220k 220R	Resistor, ±1%, 0.05W	R4 R6, R7, R12	RESC0603X03L_C RESC0603X03L_C	RES_0201_220K RES_0201_220R	
470R	Resistor, ±1%, 0.05W	R9, R11	RESC0603X03L_C	RES_0201_470R	
10k 1K8	Resistor, ±1%, 0.05W Resistor, ±1%, 0.05W	R14, R15 R16, R17	RESC0603X03L_C RESC0603X03L_C	RES_0201_10K RES_0201_1K8	
33R	Resistor, ±1%, 0.05W	R18, R19, R20, R21, R22, R23, R24, R25	RESC0603X03L_C	RES_0201_33R	
PB SW	Tactile Switch, SPNO, SMD, 160gf, 4.2x3.3x2.5mm	SW1, SW2	KLS-TS3401	KLS7-TS3401-2.5-160R	
	Multi-protocol Bluetooth Low Energy, IEEE 802.15.4, ANT and 2.4GHz proprietary system-on-chip	U1	BGA95C35P12X11_437 X397X50	nRF5340-CLAA	
XCL232D091	0.9V Ultra-Low Quiescent Current, Inductor Built-in Step- Down DC/DC Converter, CL-2025-03 Source: Datasheet	U2	CL-2025	XCL232D091KR-G	
XCL210C12	1.8V, 200mA Inductor Built-in Step-Down " micro DC/DC" Converter	U3	C1-2025	XCL210C18	
nPM1100-CAAAC0	Li-Ion/Li-Polymer USB battery charger with a high efficiency buck regulator	U4	BGA25C40P5X5_200X2 00X50	nPM1100-CAAAC0	
	Wide Vcc Range 16M- BIT [x 1/x 2/x 4] CMOS MXSMIO (SERIAL MULTI I/O) FLASH	U5	USON-8L- 2X3X0P6_MAC-L	MX25R1635FZUIL0	
MX25R1635FZUIL0	MEMORY				
MX25R1635FZUIL0  Sensor Voltage Surface Mount Source: Datasheet	MEMORY	U7	V2S200D18	V2S200D-1-8	
Sensor Voltage Surface Mount Source: Datasheet	XTAL SMD 2016, 32MHz, CI=8pF, Total Tol: ±40ppm	U7	V2S200D18 BT-XTAL_2016	V2S200D-1-8 XTAL_SMD2016_32MHz	
Sensor Voltage Surface Mount Source:	XTAL SMD 2016, 32MHz, CI=80F, Total				