

Designator	Name
A1	0830AT54A2200001E
A2	2450AT18D0100001E
C1,C3,C5,C65	GRM188Z71A106MA73D
C2,C4,C7,C11,C12,C19,C20,C21,C22,C24,C25,C	04026C104KAT2A
C6	CC0402MRX5R5BB475
C10	CL05B102KB5NNNC
C13,C18,C23	LMK107B7105KA-T
C14,C57	04026C103KAT2A
C15,C16	04025A8R0CAT2A
C17	C2012X7R1A106K125AC
C29,C31,C32,C33,C34,C35,C38,C40,C41,C42,C4	LMK212BJ226MG-T
C30,C39	0402B222K500NT
C36,C45	CL05A474KP5NNNC
C37,C46,C48,C51,C52,C53,C55,C56,C59,C61,C6	04026D105KAT4A
C47,C49,C50,C54,C60,C63	04026D106MAT2A
C71	CL21A475KOFNNNE
D1	IN-S66TFT5R5G5B
FB1,FB2	BLM15PG100SZ1D
FB3,FB4	BLE18PS080SN1D
FB5,FB7,FB8,FB9,FB10	MMZ1005B601CT000
FB6,FB11	MMZ1005S121CT000
J1A, J1B, J2A, J2B	YZ78415030R-01
J3	USB4800-03-A
J4	MM8030-2610RK0
L1,L2	MAKK2016T2R2M
R1,R3	RC0402FR-07100RL
R2	RC0402FR-07270RL
R4	RC0402FR-0710KL
R5,R8	RC0402FR-0712KL
R6	RC0402FR-07470RL

R9,R10	RC0402FR-074K7L
R11	RNCF0402BTE12K3
R12,R15	RC0402FR-077K5L
R13,R16	RC0402FR-073K9L
R14	RC0402FR-074K87L
R17	RC0402JR-07150RL
R18	RC0402FR-07120KL
R19,R20	RC0402FR-075K1L
R21	RC0402FR-07200KL
SW1	HX 4.5x4.5x4.5H B3JTP
U1	nRF9151-LACA-R
U2	G3-DFN8
U7	ESP32-S3R8
U22	W25Q128JVPIQ
U11,U12	TPS62912RPUR
U13	SiT8008BI-72-18N-80.000000
U14	Infineon BGT60TR13CE6327XUM/
U15	TAS2505IRGER
U18,U19	SPK0641HT4H-1
U20	VEML3235SL
Y1	ECS-400-8-47B2-CKM-TR
Z8,Z10	RC0402FR-070RL
Z2	GJM1555C1H2R0BB01D
Z3,Z7	LQW15AN3N3B80D
Z1	GJM1555C1H2R1BB01D
Z11	GJM1555C1H2R4WB01D
D2	ESDA7P120-1U1M
U21	ECMF2-40A100N6
U23	TXB0106QWBQBRQ1
U24	BGSA 143ML10 E6327
Z4	LQW15AN6N8G80D

Z5	LQW15AN10NG80D
Z6	LQW15AN14NG80D
LS1, LS2	OWS-112337TA-8
PCB	REV6M1

Object description	Quantity
ANTENNA, Chip, 700-800 MHz 1700-2100 MH:	1
ANTENNA, Chip, 2.4GHz, SMD	1
CAP,MLCC,10uF,20%,10V,X7R,0603,SMD	4
CAP,MLCC,100nF,10%,6.3V,X7R,0402,SMD	22
CAP,MLCC,4.7uF,20%,6.3V,X5R,0402,SMD	1
CAP,MLCC,1nF,10%,50V,X7R,0402,SMD	1
CAP,MLCC,1uF,10%,10V,X7R,0603,SMD	3
CAP,MLCC,10nF,10%,6.3V,X7R,0402,SMD	2
CAP,MLCC,8pF,±0.25pF,50V,C0G/NP0,0402,S	2
CAP,MLCC,10uF,10%,10V,X7R,0805,SMD	1
CAP,MLCC,22uF,20%,10V,X5R,0805,SMD	13
CAP,MLCC,2.2nF,10%,50V,X7R,0402,SMD	2
CAP,MLCC,470nF,10%,10V,X5R,0402,SMD	2
CAP,MLCC,1uF,10%,6.3V,X5R,0402,SMD	12
CAP,MLCC,10uF,20%,6.3V,X5R,0402,SMD	6
CAP,MLCC,4.7uF,10%,16V,X5R,0805,SMD	1
LED,RGB,Top View,SMD	1
Ferrite Bead,10 OHM,25%,1A,0402,SMD	2
Ferrite Bead,8.5 OHM,25%,8A,0603,SMD	2
Ferrite Bead,600 OHM,25%,200mA,0402,SMD	5
Ferrite Bead,120 OHM,25%,500mA,0402,SMD	2
CONN,Board-to-Loud-Speaker,SMD	4
CONN,USB-C,Horizontal,SMD	1
CONN,RF Coaxial Switch,SMD	1
IND,Power,2.2uH,20%,0806,SMD	2
RES,ThickFilm,100 OHM,1%,0402,SMD	2
RES,ThickFilm,270 OHM,1%,0402,SMD	1
RES,ThickFilm,10K OHM,1%,0402,SMD	1
RES,ThickFilm,12K OHM,1%,0402,SMD	2
RES,ThickFilm,470 OHM,1%,0402,SMD	1

RES,ThickFilm,4.7K OHM,1%,0402,SMD	2
RES,ThinFilm,12.3K OHM,0.1%,0402,SMD	1
RES,ThickFilm,7.5K OHM,1%,0402,SMD	2
RES,ThickFilm,3.9K OHM,1%,0402,SMD	2
RES,ThickFilm,4.87K OHM,1%,0402,SMD	1
RES,ThickFilm,150 OHM,5%,0402,SMD	1
RES,ThickFilm,120K OHM,1%,0402,SMD	1
RES,ThickFilm,5.1K OHM,1%,0402,SMD	2
RES,ThickFilm,200K OHM,1%,0402,SMD	1
Tactile Switch,4.5x4.5mm,4.5mm H,SMD	1
IC,LTE-M/NB-IoT SiP with GNSS	1
IC,eSIM,MFF2 Packaging	1
IC,Wi-Fi/BLE MCU,8MB PSRAM,QFN56	1
IC,Flash Memory,128Mb,SMD	1
IC,Low Noise Buck Converter,2A,VQFN	2
OSC,80 MHZ,1.8V,4-SMD	1
IC,60GHz Radar Sensor,BGA-40	1
IC,Digital Input Class-D Audio Amp,VQFN	1
Microphone,MEMS,Digital PDM,1.8V	2
Sensor,Ambient Light,SMD	1
OSC,40MHz Crystal,SMD	1
RES,ThickFilm,0 OHM,1%,0402,SMD	2
CAP,MLCC,2pF,±0.1pF,50V,C0G,0402,SMD	1
IND,RF,3.3nH,±0.1nH,0402,SMD	2
CAP,MLCC,2.1pF,±0.1pF,50V,C0G,0402,SMD	1
CAP,MLCC,2.4pF,±0.05pF,50V,C0G,0402,SMD	1
IC,ESD Protection,QFN12	1
IC,Common Mode Filter with ESD,QFN6L	1
IC,Voltage Level Translator,6-Bit,WQFN16	1
IC,Antenna Tuning Switch,SMD	1
IND,RF,6.8nH,±2%,0402,SMD	1

IND,RF,10nH,±2%,0402,SMD	1
IND,RF,14nH,±2%,0402,SMD	1
Speaker,Loudspeaker Drive unit,8 Ohm	2
REV6M1	1
