Ref	Qnty	Value	Cmp name	Footprint	Description	Vendor	Link	Alt Link										
BT1,		I Battery	Battery	Battery:BatteryHolder_MPD_BC12AAPC_2xA	Multiple-cell battery		https://www.dig	ikey.com/en/prod	ducts/detail/mpd-	memory-protect	ion-devices/BC	12AAPC/24	39230					
C1, C7, C11, C1	1 4	1uF	C_Small	Capacitor_SMD:C_0603_1608Metric	Unpolarized capacitor, small symbol		https://www.dig	ikey.com/en/prod	ducts/detail/sams	sung-electro-med	chanics/CL10A	105KP8NNV	/C/3887521					
C2, C4, C6, C10), (0.1uF	C_Small	Capacitor_SMD:C_0603_1608Metric	Unpolarized capacitor, small symbol		https://www.dig	ikey.com/en/proc	ducts/detail/sams	sung-electro-med	chanics/CL10B1	104KB8NNV	/C/3887593					
C3, C5, C8, C9,	(:	3 10uF	C_Small	Capacitor_SMD:C_0603_1608Metric	Unpolarized capacitor, small symbol		https://www.dig	ik https://www.m	ouser.com/Produ	uctDetail/Samsu	ng-Electro-Mec	hanics/CL10	A106MQ8NN	NC?qs=349EhD	EZ59qlB6a%2Fj	jeGAg%3D%3D		
C18, C19,		2 100uF	C_Polarized_Sn	Capacitor_SMD:CP_Elec_6.3x3.9	Polarized capacitor, small symbol		https://www.dig	ik https://www.m	ouser.com/Produ	uctDetail/Nichico	n/UZR0J101M0	CL1GB?qs=	nuzeVNXgovX	XE1rsIA06qg%	3D%3D			
D1, D2, D3, D4,	1 20	WS2812B	SK6812MINI	LED_SMD:LED_SK6812MINI_PLCC4_3.5x3.5	RGB LED with integrated controller		https://www.dig	iik https://www.al	liexpress.us/item	/2251832595980	0462.html							
D31,		I LED	LED	IR-LED:IR-LED-RA_IR12-21C-TR8	Light emitting diode		https://www.dig	ikey.com/en/prod	ducts/detail/everl	ight-electronics-	co-ltd/IR12-21C	-TR8/26758	42					
J2,		USB_C_Recepta	a USB_C_Recept	a Connector_USB:USB_C_Receptacle_XKB_U2	USB 2.0-only Type-C Receptacle connector		https://www.dig	ik https://www.m	ouser.com/Produ	uctDetail/GCT/U	SB4105-GF-A?	qs=KUolvG	%2F9IIY%2FN	ILIBMpStpA%3E	0%3D			
L1,		I L	L	Inductors:L_0806_2016	Inductor		https://www.dig	ikey.com/en/prod	ducts/detail/TFM:	201610ALM-2R2	MTAA/445-174	1186-1-ND/5	812326?curr=	usd&utm_campa	aign=buynow&ut	m_medium=aggi	egator&utm_sour	ce=octopart
R1,		1 10k	R_US	Resistor_SMD:R_0603_1608Metric	Resistor, US symbol		https://www.dig	ikey.com/en/prod	ducts/detail/walsi	in-technology-co	rporation/WR06	3X103-JTL/1	3239132					
R2, R3,	1	2 4.7k	R_US	Resistor_SMD:R_0603_1608Metric	Resistor, US symbol		https://www.dig	ikey.com/en/prod	ducts/detail/yage	o/RC0603JR-07	4K7L/726785							
R4,		1 10	R_US	Resistor_SMD:R_0603_1608Metric	Resistor, US symbol		https://www.dig	ikey.com/en/prod	ducts/detail/walsi	in-technology-co	rporation/WR06	X10R0FTL/	13238870					
R18, R19,		2 5.1k	R_US	Resistor_SMD:R_0603_1608Metric	Resistor, US symbol		https://www.dig	ikey.com/en/prod	ducts/detail/koa-s	speer-electronics	s-inc/RK73B1JT	TD512J/984	14732					
RN1, RN2, RN3	, 4	4.7k	R_Pack04	Resistor_SMD:R_Array_Convex_4x0603	4 resistor network, parallel topology		https://www.dig	ikey.com/en/prod	ducts/detail/stack	pole-electronics	-inc/RAVF164D	JT4K70/174	4166					
SPK1,		Speaker	Speaker	Battery-WireConn:Battery-WireConn-SMD	Speaker		https://www.ali	express.us/item/3	32568044362411	91.html								
SW1,		SW_SPDT	SW_SPDT	C&KSlideSwitches:JS202011JAQN	Switch, single pole double throw		https://www.dig	ik https://www.m	ouser.com/Produ	uctDetail/CK/JS2	02011JAQN?q	s=74EMXstl	WMXDMLzb1	TF50w%3D%3D				
SW2, SW3,		SW_Push	SW_Push	Button_Switch_SMD:SW_SPST_PTS645	Push button switch, generic, two pins		https://www.ali	express.us/item/3	32568047283766	558.html								
SW5,		4-WayW/switch	4-WayW{slash}s	NavSwitchSMD:2425755-1			https://www.dig	ik https://www.m	ouser.com/Produ	uctDetail/TE-Cor	nectivity-Alcos	witch/24257	55-1?qs=amG	C7iS6iy%252Bj-	4GqFdsK2Qw%	8D%3D		
U2,		ESP32-S3-WRC	ESP32-S3-WRC	Espressif:ESP32-S3-WROOM-1	2.4 GHz WiFi (802.11 b/g/n) and Bluetooth ® 5	(LE) module	Built https://www.dig	ikey.com/en/proc	ducts/detail/espre	essif-systems/ES	P32-S3-WRO	OM-1-N16R8	/16162642					
U3,		AZ1117-3.3	AZ1117-3.3	Package_TO_SOT_SMD:SOT-89-3	1A 20V Fixed LDO Linear Regulator, 3.3V, SO	T-89/SOT-223	/TO- https://www.dig	ik https://www.m	ouser.com/Produ	uctDetail/Diodes	Incorporated/A	Z1117CR-3.	3TRG1?qs=Fl	Ku9oBikfSlEg7w	aHw2tMw%3D%	3D		
U4,		LCD-2_8-ST778	LCD-2_8-ST778	FPC-Conn:FPC_40_CF31401D0R0-05-NH			https://www.dig	ikey.com/en/prod	ducts/detail/cvilux	x-usa/CF31401E	0R0-05-NH/15	793184						
U5,		TSOP752xx	TSOP752xx	IR-Receiver:TSOP752xx-RA	Photo Modules for PCM Remote Control Syste	ms	https://www.dig	ik https://www.m	ouser.com/Produ	uctDetail/Vishay-	Semiconductor	s/TSOP752	38TR?qs=EvR	zT9Rf7CaVuskl	Do3kFVw%3D%	<u>3D</u>		
U6,		PCA9548APW	PCA9548APW	Package_SO:TSSOP-24_4.4x7.8mm_P0.65m	Low voltage 8-channel I2C switch with reset, T	SSOP-24	https://www.dig	ik https://www.m	ouser.com/Produ	uctDetail/Diodes	-Incorporated/P	14MSD5V95	48ALEX?qs=0	GM1D4S1ndE2E	BCsbzpDSAAQ%	3D%3D		
U7,		A3910	A3910	Package_DFN_QFN:DFN-8-1EP_2x2mm_P0.	5mm_EP0.9x1.6mm		https://www.dig	ik https://www.m	ouser.com/Produ	uctDetail/250-A3	910EEETR-T							
U8,		NCP115ASN180	NCP115AMX12	Package_TO_SOT_SMD:SOT-23-5	300mA Low-Dropout Linear Regulators, 1.2V of	utput voltage,	LD(https://www.dig	ik https://www.m	ouser.com/Produ	uctDetail/onsemi	/NCP115ASN1	80T2G?qs=t	yeeYqUIh0Mo	ga7cMMJXOA9	%3D%3D			
U11,		MC3419	MC3419	Package_LGA:LGA-12_2x2mm_P0.5mm			https://www.dig	ik https://www.m	ouser.com/Produ	uctDetail/MEMSI	C/MC3419?qs=	=OIC7AqGiE	Dn8kT%252B	18r9wSA%3D%	<u>3D</u>			
U12,		XC9148	XC9148	Package_USP:USP-6C			https://www.dig	ik https://www.m	ouser.com/Produ	uctDetail/Torex-S	Semiconductor/2	XC9148G33	DER-G?qs=Zr	m5pLBrcAlAF7	aZJzhn0A%3D%	3D		
U15,		TFA9879HN	TFA9879HN	Package_DFN_QFN:HVQFN-24-1EP_4x4mm	Mono BTL class-D audio amplifier for portable	applications w	ith c https://www.dig	ikey.com/en/prod	ducts/detail/nxp-u	usa-inc/TFA9879	HN-N1-118/240	06245						
	4	1		Screw Standoff			https://www.mo	user.com/Produc	ctDetail/Keystone	e-Electronics/48	83?qs=RYIBGg	AklzJAw%2	52B0wrMrbpQ	%3D%3D				
	73	2					https://www.dig	ikey.com/en/prod	ducts/detail/koa-s	speer-electronics	-inc/RK73B1JT	TD5R1J/98	14799					