

Comment	Description	Designator	Footprint	LibRef	Quantity
0.1uF_50V 20%-+0%_0603	Multilayer Ceramic Capacitors MLCC-SMD/SMT/FRHTS	C1,C101,C102,C103,C104,C105,C107,C201,C202,C201	0603_cap	Cap_0.1uF_0603_50V	10
10uF_10V 10%-+0%_0603	Multilayer Ceramic Capacitors MLCC-SMD/SMT/FRHTS	C2,C100,C200	0603_cap	Cap_10uF_0603_10V	3
CAP_GER_100uF_10V X8R0603	Ceramic Capacitor X8R	C3	0603_cap	CAP_GER_100uF_10V_0603	1
10uF_10V 10%-+0%_0603	Multilayer Ceramic Capacitors MLCC-SMD/SMT/FRHTS	C4,C5,C6,C7	0605_cap	Cap_22uF_0605_10V	4
CAP_GER_470uF_4V_A5R 1812	Ceramic Capacitor X5R	C106	CAP_1812	CAP_GER_470uF_4V_1812	1
CAP_CER_4.7uF_4V_X6S 0603	Ceramic Capacitor X6S	C300	0603_cap	CAP_CER_4.7uF_4V_0603	1
40V_Independent_3A 55mA_100uA_1000Hz_Schottky_Diode_RoHS	D1,D2,D3,D4,D5	SVA		D_Schottky_40V_3A_S	9
2.9V	LED_GREEN_CLEAR_0605_SMD	D100,D204	0605_LED	LED_0605_Green	3
2V	LED_RED_CLEAR_0605_SMD	D101,D203	0605_LED	LED_0605_RED	2
40V_1A TA_100uA_1000Hz_±25%	DIODE_SCHOTTKY_40V_1A_SOD323	D102,D103,D104,D105	900_123	D_Schottky_40V_1A_SOD323F	4
600uH_M2A 100mH_1A_1000Hz_Ferrite_Bead_RoHS	FB100,FB200,FB201	0603_fb	FB_60_0603_2A	3	
USBC_CONNECTOR_DIEPLUS 2P2S2MM	CON_USB_C_16P_PA	200,300	CON_USB_TYPEC_16P		2
DC-5V-1A DC-5V-1A	CON_2x1_3H_2MM		Con_2x1_3H_JST_2MM		1
DC-5V-1A DC-5V-1A	CON_2x1_3H_2MM	J100,J201	CON_2x1_3H_2MM	Con_2x1_3H_JST_2MM	2
RF600B/MOTOR 2P2S2MM	CON_2x1_3H_2MM	J102	CON_2x1_3H_2MM	Con_2x1_3H_JST_2MM	1
INDUCTOR_4.7uH_A6 3mΩ_SMD_0603	L1,L2	INDUCTOR_4.7uH_A6_0603		INDUCTOR_4.7uH_A6_0603	2
PCH MOSET_PNP_20V/3A_SOT23	O100,Q101	SOT_23_3	Q_PNP_20V_3A_SOT23_3		2
NCH MOSET_NCH20V_SOT23	O102,O103	SOT_23_3	Q_NPFT_20V_3.2A_SOT23_3		2
10k_1/10W RES_SMD_10K_QHM5%_1/10W/0603	R10,R11,R12,R13,R14,R15,R17,R20,R24,R201,R204	0603_res	Res_10k_0603_1/10W	12	
39k_1/10W RES_SMD_39K_QHM5%_1/10W/0603	R2,R111,R300	0603_res	Res_39k_0603_1/10W	3	
100k_1/10W RES_SMD_100K_QHM1%_1/10W/0603	R4	0603_res	Res_100k_0603_1/10W	1	
110k_1/10W RES_SMD_110K_QHM1%_1/10W/0603	R5	0603_res	Res_110k_0603_1/10W	1	
150k_1/10W RES_SMD_150K_QHM1%_1/10W/0603	R6	0603_res	Res_150k_0603_1/10W	1	
150R_1/10W RES_SMD_150R_QHM5%_1/10W/0603	R100,R104	0603_res	Res_150R_0603_1/10W	2	
100R_1/10W RES_SMD_100R_QHM5%_1/10W/0603	R101,R102	0603_res	Res_100R_0603_1/10W	2	
100mW_Thick_Film Resistor_75±1% ±10ppm/°C_1x100 0603_Chip_Resistor-Surface_Mount_RoHS	R105,R106	0603_res	Res_191R_0603_1/10W	2	
4k7_1/10W RES_SMD_4k7_QHM5%_1/10W/0603	R109,R110	0603_res	Res_4k7_0603_1/10W	2	
1k_1/10W RES_SMD_1k_QHM5%_1/10W/0603	R112,R13,R200,R205,R202	0603_res	Res_1k_0603_1/10W	8	
49k_1/10W RES_SMD_49k_QHM5%_1/10W/0603	R116	0603_res	Res_49k_0603_1/10W	1	
5.1k_1/10W RES_SMD_5.1k_QHM1%_1/10W/0603	R201,R202,R207,R208	0603_res	Res_5.1K_0603	4	
100mW_Thick_Film Resistor_75±1% ±10ppm/°C_1x100 0603_Chip_Resistor-Surface_Mount_RoHS	R205,R206	0603_res	Res_120R_0603_1/10W	2	
73k_1/10W RES_SMD_73k_QHM5%_1/10W/0603	R203	0603_res	Res_73k_0603_1/10W	1	
100mW_Thick_Film Resistor_75±1% ±10ppm/°C_1x1200 0603_Chip_Resistor-Surface_Mount_RoHS	R205,R206	0603_res	Res_120R_0603_1/10W	2	
Sw SWITCH_TACTILE_SPSI	SW101,SW200, SW201	SW_PUSH_4.6x4.5mm		Sw_PUSH_4.6x4.5mm	3
TP8664201DDCR ICREGBUCKAD4A_SOT23	U1,U2	SOT_23_3	DOOC_SW_BUCK_4A_SOT23_3		2
STM62F030_QFBTIR 850nm_1.4V_DLP4 Programmable_SoD PHOTODIODE_QFBT	U100	LQFP48_7x7mm	DOOC_SW_BOOST_AA_SOT23_3		1
SENSEPOINT_PLOT PHOTODIODE_QFBT Type-Tension Output_Rail	U101,U102	RR_441C1E	DOOC_SW_BOOST_AA_SOT23_3		1
ESP32-C3-WROOM-42 RF-DK400-BLTFWI N4	U200	ESP32-C3-WROOM-42 N4	DOUC_ESP32-C3-WROOM-42 N4		1
USBBL09-230B TVS3300E_25V_17V SOT23-6	U201,U201	SOT_23_6	TVS3300E_25V_17V_SOT23_6		2
CP2102N-A02 ICUSB_TO_UART BRIDGE_QFN20	U300	WFQFN_20_IP_3X10M	IC_SQL_USART_UART_BRIDGE_QFN20		1