















Comment 10uF 22uF	Description	Designator C1 C2	Footprint SMC 0805 SMC 1206	LibRef Cap Ceramic Cap Ceramic	Quantity
22uF 22uF 22uF		C2 C3 C4	SMC 1206	Conformie	
100nF 100nF		CS C6	SMC 1206 SMC 0402 SMC 0402	Cap Ceramic Cap Ceramic Cap Ceramic	
100nF 10uF		C7 C8	SMC_0402 SMC_0805	Cap Ceramic Cap Ceramic Cap Ceramic	
10uF 10uF		C10	SMC_0805 SMC_0805 SMC_0805	Cap Ceramic Cap Ceramic	
10uF 100nF		C11 C12	THT_CapSx11 SMC_0402	Cap Electrolyte Cap Ceramic	
47uF 100nF		C13 C14	SMC_0402	Cap Electrolyte Cap Ceramic	
10uF 10uF 100nF		C15 C16 C17	THT CapSx11 THT CapSx11 SMC_0402	Cap Electrolyte Cap Electrolyte Cap Ceramic	
10uF 10uF		C18 C19	THT_Cap5x11 SMC_0402	Cap Electrolyte Cap Ceramic	
1uF 100nF		C20 C21	SMC_0402 SMC_0402	Cap Ceramic Cap Ceramic	
1uf 1uf		C22 C23	SMC_0402 SMC_0402	Cap Ceramic Cap Ceramic	
1uF 100nF 100nF		C24 C25	SMC_0402 SMC_0402 SMC_0402	Cap Ceramic Cap Ceramic	
100nF		C25 C26 C27 C28	SMC 0402 SMC 0402 SMC 0402	Cap Ceramic Cap Ceramic Cap Ceramic Cap Ceramic	
1uf 4.7uf 4.7uf		C29 C30	SMC 0402 SMC 0402 SMC 0402 SMC 0402	Cap Ceramic Cap Ceramic	
100nF 2.2nF		G1 G2	SMC 0402 SMC 0805	Cap Ceramic Cap Ceramic	
2.2nF 100nF		C34	SMC_0805 SMC_0402	Cap Ceramic Cap Ceramic	
6.8nF 2.2nF		C35 C36	SMC 0805 SMC 0805 SMC_0805	Cap Ceramic Cap Ceramic	
2.2nF 100nF 2.2nF		G7 G8 G9	SMC_0805 SMC_0402 SMC_0805	Cap Ceramic Cap Ceramic Cap Ceramic	
2.2nF 10uF 2.2nF		C40 C41	SMC 0805 SMC 0805 SMC 0805	Cap Ceramic Cap Ceramic Cap Ceramic	
100nF 6.8nF		C42 C43	SMC_0402 SMC_0805	Cap Ceramic Cap Ceramic	
2.2nF 2.2nF		C44 C45	SMC_0805 SMC_0805	Cap Ceramic Cap Ceramic	
10uF 10nF		C46	SMC 0805		
10nF 10uF		C48 C49 C50	SMC 0805 SMC 0805 SMC 0805	Cap Ceramic Cap Ceramic Cap Ceramic Cap Ceramic Cap Ceramic Cap Ceramic	
4.7uf 4.7uf		CS0 CS1	SMC 0805 SMC 0805		
10uF 10nF		CS1 CS2 CS3 CS4 CS5	SMC_0805 SMC_0805 SMC_0805	Cap Ceramic Cap Ceramic	
10uF 10uF		CSS CS6	SMC_0805 SMC_0805	Cap Ceramic Cap Ceramic	
10nF 10nF 10nF		CS6 CS7 CS8	SMC 0805 SMC 0805 SMC 0805	Cap Ceramic Cap Ceramic Cap Ceramic	
4.7uF 22uF		CS9 C60	SMC_0805 SMC_0805	Cap Ceramic Cap Ceramic	
18pF 22uF		C61 C62	SMC_0805 SMC_0805	Cap Ceramic Cap Ceramic	
10nF 220nF		C63 C64	SMC_0805 SMC_0805	Cap Ceramic Cap Ceramic	
4.7uF 100nF		C65 C66	SMC_0805 SMC_0805	Cap Ceramic Cap Ceramic	
4.7nF 15pF 100nF		C67 C68	SMC_0805 SMC_0805 SMC_0402	Cap Ceramic Cap Ceramic Cap Ceramic	
100nF 100nF		C70 C71 D1	SMC 0402 SMC 0402	Cap Ceramic Cap Ceramic	
100nF 100nF LED Red LED Green		D1 D2	SMLED 0603 SMLED 0603	Cap Ceramic Cap Ceramic LED Red LED Green Direte	
SS13 SS13		D3 D4	SMC 0402 SMC 0402 SMC 0402 SMLED 0603 SMLED 0603 D0214-AC D0214-AC SML 4x4	Diode Diode	
Inductor_Ferrite SM Inductor_Ferrite SM	T T	L1 L2	SMI 4v4	Inductor_Ferrite SN	
IRLML2244 IRLML2244		M1 M2	SOT95P237X112-3N SOT95P237X112-3N	Inductor Ferrite SN IRLML2244 IRLML2244	
SWD MicroUSB OLED 0.96"		P1 P2 P3	Dupont Female x 4 MicroUSB	Dupont Header x 4 MicroUSB OLED 0.96*	
OLED 0.96" Audio Jack MicroUSB		P3 P4 P5	OLED 0.96" PJ-327A MicroUSB	Audio Jack MicroUSB	
XHB2.5 x 2 1.2K		96 R1	XHB2.5 x 2 SMR 0402		
19		R2 R3		Res SMT Res SMT Res SMT Res SMT Res SMT	
1K 10K 10K		R4 R5	SMR 0402 SMR 0402 SMR 0402 SMR 0402 SMR 0603 SMR 0402 SMR 0402	Res SMT Res SMT	
10K FB 10K 10K		R6 R7	SMR_0603 SMR_0402	Res SMT Res SMT Res SMT	
620R		89 810		Res SMT	
620R 680R 620R		R10 R11 R12	SMR_0805 SMR_0805 SMR_0805	Res SMT Res SMT	
620R 330R 680R		R12 R13 R14	SMR 0805 SMR 0805	Res SMT Res SMT	
620R 620R		R15 R16	SMR_0805 SMR_0805	Res SMT Res SMT	
620R 620R		R17	SMR_0805 SMR_0805	Res SMT Res SMT	
620R 680R		R19 R20	SMR_0805 SMR_0805	Res SMT Res SMT	
620R 330R 680R		R21 R22	SMR_0805 SMR_0805 SMR_0805	Res SMT Res SMT Res SMT	
620R		R23 R24	CARD GOOD	Res SMT Res SMT	
620R 620R 620R 620R 330K		R25 R26 R27 R28	SMR 0805 SMR 0805 SMR 0805 SMR 0402 SMR 0402	Res SMT Res SMT Res SMT Res SMT	
330K 100K 330K		R28 R29	SMR_0402 SMR_0402 SMR_0402	Res SMT Res SMT	
330K 22R		R30 R31	SMR_0402 SMR_0402	Res SMT	
22R 100K		R32 R33	SMR_0402 SMR_0402	Res SMT Res SMT	
100K 360K		R34 R35	SMR_0402 SMR_0402	Res SMT Res SMT Res SMT	
100R 100K		R36 R37	SMR_0805 SMR_0402	Res SMT	
100K 453K Switch		R38 R39 SW1	SMR_0402 SMR_0402 Switch	Res SMT Res SMT Switch	
Switch Button Button		SW2 SW3	Button Button	Switch Button Button	
Button Button		SW4 SW5	Button Button	Button Button	
TP4056X PCM1798		U1 U2	SOIC127P600X175 SOP65P780X200-28	TP4056X PCM1798	
		U1 U2 U3 U4	SOP65P780X200-28 TSQFP50P1200X120 SOIC127P600X175-	STM32F401Rxxx LM358D	
STM32F401Rxxx OPA1612 OPA1612 OPA1612 TPS7A49 LPS907		US U6	SOIC127P600X175-	LM358D LM358D	
TPS7A49 LPS907		U7 U8	TSOP65P490X110 F SOT95P280X110-5N	TPS7A49 LP5907	
1P57A49		U9 U10	TSOP65P490X110 H TSOP65P490X110 H	TPS7A49 TPS7A30	
TPS7A30 USBLC6-25C6		U11	SOT95P280X145-6N	US8LC6-2SC6	