

BOM

Reference	Qty	Value	Footprint	MPN
C1	1	4u7	Capacitor_SMD:C_0603_1608Metric	
C2,C3,C4,C6,C7,C8	6	100n	Capacitor_SMD:C_0402_1005Metric	
C5,C10,C11,C12,C13,C14,C15,C16,C17,C18,C19,C20,C21,C22,C23,C24,C25,C26,C27,C28,C29,C30,C31,C32,C33,C34,C35,C36,C37,C40,C41,C42,C43,C44	34	1u	Capacitor_SMD:C_0603_1608Metric	
C9	1	10n	Capacitor_SMD:C_0402_1005Metric	
C38	1	10u	Capacitor_SMD:C_0603_1608Metric	
C39	1	22u	Capacitor_SMD:C_Elec_5x5.4	
D1,D2,D3	3	RED_LED	LED_SMD:LED_0603_1608Metric	150060RS55040
H1,H2,H3,H4	4	MountingHole_Pad	MountingHole:MountingHole_3.2mm_M3_Pad_Via	
J1,J8,J9,J10,J11,J12,J13,J14,J15,J16,J17,J18,J19,J24,J25,J26,J27,J28,J29,J30,J31,J36,J37	23	Conn_01x03	Connector_JST:JST_EH_B3B-EH-A_1x03_P2.50mm_Vertical	
J2,J6,J7	3	Conn_01x06	Connector_JST:JST_EH_B6B-EH-A_1x06_P2.50mm_Vertical	
J3,J4,J5,J20,J21,J22,J23,J32	8	Conn_01x02	Connector_JST:JST_EH_B2B-EH-A_1x02_P2.50mm_Vertical	
J33	1	Conn_01x02	Connector_AMASS:AMASS_XT60-M_1x02_P7.20mm_Vertical	
J34	1	Conn_01x04	Connector_JST:JST_XH_B4B-XH-A_1x04_P2.50mm_Vertical	
J35	1	Conn_ST_STDC14	Connector_PinHeader_1.27mm:PinHeader_2x07_P1.27mm_Vertical_SMD	STLINK-V3MINIE
J38	1	Conn_01x04	Connector_JST:JST_EH_B4B-EH-A_1x04_P2.50mm_Vertical	
L1	1	39n	Inductor_SMD:L_0805_2012Metric	
Q1,Q2	2	NMOS	Package_TO_SOT_SMD:SOT-23	SQ2310ES
R1,R3	2	1k	Resistor_SMD:R_0402_1005Metric	
R2,R4	2	10k	Resistor_SMD:R_0402_1005Metric	
R5	1	5k1	Resistor_SMD:R_0402_1005Metric	
R6	1	1k6	Resistor_SMD:R_0402_1005Metric	
R7	1	820	Resistor_SMD:R_0402_1005Metric	
SW1	1	SW_SPST	mylib:SW_Push_1P1T_NO_6x6mm_H9.5mm	
SW2	1	SW_SPDT	mylib:472123010111	472123010111
U1	1	STM32G474RETx	Package_QFP:LQFP-64_10x10mm_P0.5mm	
U2	1	173010578	Library:173010542	173010578
U3	1	AZ1117-3.3	Package_TO_SOT_SMD:SOT-223-3_TabPin2	AZ1117CH2-3.3TRG1