

Bill of Materials

Ref.	Part name	Pcs/unit	Description from PurchaseLib.xls	Manufacturer	Part number	Supplier	Ordering code	Alt. Manufacturer	Alt. Part number	Alt. Supplier	Alt. Ordering code	Comments
B1	JTL_2450BM15A0002	1	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
C1	C_1U_0603_X5R_L_6P3	1	Capacitor, 1u, 0603, X5R, 15%, 6.3V	Murata	GRM188R60J105KA01D	Farnell	4716607					
C2	C_4U7_0603_X5R_K_6	1	Capacitor, 4u7, 0603, X5R, 10%, 6.3V	Murata	GRM188R60J475KE19D							
C3 (Do Not Mount)	C_0402	0	Capacitor, general, 0402; Do not mount									
C4	C_2U2_0402_X5R_M_4V DC	1	Capacitor, 2u2, 0402, X5R, +/-20%, 4V	Murata	GRM1555C1H2R2CD01							
C5	C_0P5_0402_NP0_B_50	1	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
C21, C31	C_47P_0402_NP0_J_50	1	Capacitor, 47p, 0402, NP0, 5%, 50V	Murata	GRM1555C1H470JZ01D							
C41	C_10P_0402_NP0_J_50	1	Capacitor, 10p, 0402, NP0, 5%, 50V	Murata	GRM1555C1H100JZ01D							
C101;C211;C241;C271;C311	C_100N_0402_X5R_K_10	5	Capacitor, 100n, 0402, X5R, 10%, 10V	Murata	GRM155R71A104KA01D							
C201	C_1N_0402_NP0_J_50	1	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
C221;C231	C_27P_0402_NP0_J_50	2	Capacitor, 27p, 0402, NP0, 5%, 50V	Murata	GRM1555C1H270JZ01D							
C272	C_220P_0402_NP0_J_50	1	Capacitor, 220p, 0402, NP0, 5%, 50V	Murata	GRM1555C1H221JA01D							
C391;C401	C_1U_0402_X5R_K_6P3	2	Capacitor, 1u, 0402, X5R, 10%, 6.3V	Murata	GRM155R60J105KE19D							
D1	LED_EL19-21SURC	1	LED, red-orange, 0603, 2.0V, 39mcd	Everlight	19-21SURC/S530-A2/TR8	ELFA	75-312-39					
D2	LED_EL19-21SYGC	1	LED, green, 0603, 2.0V, 16mcd	Everlight	19-21SYGC/S530-E1/TR8	ELFA	75-312-47					
DEBUG	STL21	1	10 pins connector	MPE-Garry GmbH	STL21-A01XX-010-TRU	Freber						
IO (Do Not Mount)	(Do not mount)	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
L1	L_BEAD_102_0402	1	EMI filter bead, 0402 1Kohms Tape GHz Band Gen Use	Murata	BLM15HG102SN1D	ACTE						
L301	L_6N8_0402_J		Inductor, 6n8, 0402, Monolithic type, ±5%	Murata	LQG15HS6N8J02D							
P1	USB_A	1	USB Plugg A/PCB Montering	ELFA	42-197-15	Freber	CU01PAM10R0	AMP	787780-1	ELFA	42-707-40	
R1	R_2_0402_F	1	Resistor, 2 ohms, 0402, ±1%	Koa	RK73H1ETTP2R00F							
R2;R92(Do Not Mount)	R_0402	0	Resistor, general, 0402; Do not mount									
R3;R9;R91	R_0_0402	3	Resistor, 0 ohm, 0402	Koa	RK73Z1ETTP	ELFA	60-470-05					
R11;R71	R_270_0402_F	2	Resistor, 270 ohms, 0402, ±1%	Koa	RK73H1E270RF-MR or RK73H1ETTP2700F	ELFA	60-885-61 or 60-477-73					
R21;R31	R_33_0402_G	2	Resistor, 33 ohms, 0402, 2%	Koa	RK73H1ETTP33R0F (±1%)	ELFA	60-473-36					

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