

## Bill of materials

Table 1. STEVAL-LLL015V1 bill of materials

Item	Q.ty	Ref.	Part / Value	Description	Manufacturer	Order code
1	3	C1, C4, C36	1u 16V	Ceramic Capacitor	Murata	GCM21BL81C105KA58L
2	1	C2	10u 10V	Ceramic Capacitor	Wuerth	885012108010
3	8	C3, C5, C6, C7, C9, C10, C11, C41	100n 16V	Ceramic Capacitor	Wuerth	885012206046
4	1	C8	10u 16V	Ceramic Capacitor	Wuerth	885012108017
5	8	C12, C13, C14, C15, C16, C17, C18, C19	1u 16V	Ceramic Capacitor	Murata	GCJ31CL8EL105KA07L
6	20	C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C38, C39, C40, C42	1u 16V	Ceramic Capacitor	Wuerth	885012206052
7	1	C37	22u 16V	Ceramic Capacitor	Wuerth	885012108018
8	1	D1	LED GREEN	LED SMD	Wuerth	150060GS73220
9	96	D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23, D24, D25, D26, D27, D28, D29, D30, D31, D32, D33, D34, D35, D36, D37, D38, D39, D40, D41, D42, D43, D44, D45, D46, D47, D48, D49, D50, D51, D52, D53, D54, D55, D56, D57, D58, D59, D60, D61, D62, D63, D64, D65, D66, D67, D68, D69, D70, D71, D72, D73, D74, D75, D76, D77, D78, D79, D80, D81, D82, D83, D84, D85, D86, D87, D88, D89, D90, D91, D92, D93, D94, D95, D96, D97	158301227	LED SMD	Wuerth	158301227
10	1	FB1	Ferrite Bead	Ferrite Bead	TDK	MPZ2012S221A
11	1	FB2	Ferrite Bead	Ferrite Bead	TDK	MPZ2012S331A

Item	Q.ty	Ref.	Part / Value	Description	Manufacturer	Order code
12	4	H1, H2, H3, H4	MountingHole	Mechanical Hole	NA	NA
13	1	J1	Vext	Power Connector	Phoenix	1725656
14	1	J2	105017-0001	USB Micro Connector	Molex	105017-0001
15	1	J3	JTAG	PCB Connector	Multicomp	MC-HRT1-S05-G
16	1	JP1	VIN Selector		NA	NA
17	1	L1	2.2u	Power Inductor	Wuerth	74438356022
18	1	R1	9.1K	SMD Resistor	Panasonic	ERJ-UP3F9101V
19	1	R2	2.7K	SMD Resistor	Panasonic	ERJ-UP3F2701V
20	1	R3	820	SMD Resistor	Panasonic	ERJ3EKF8200V
21	3	R4, R5, R7	3K3	SMD Resistor	Panasonic	ERJ3EKF3301V
22	5	R6, R8, R9, R14, R15	10K	SMD Resistor	Panasonic	ERJ3EKF1002V
23	4	R10, R11, R12, R13	1K	SMD Resistor	Panasonic	ERJ-UP3F1001V
24	1	SW1	Tactile Switch	Tactile Switch	C&K Components	KMR432NG ULC LFS
25	2	SW2, SW3	Tactile Switch	Tactile Switch	Panasonic	EVQQ2S02W
26	1	U1	USBLC6-2, SOT666	EMI USB Filter	ST	<a href="#">USBLC6-2P6</a>
27	1	U2	ST1S31, VFDFPN 8 3x3x1.0	DC/DC Converter	ST	<a href="#">ST1S31PUR</a>
28	1	U3	LD39050PU33R, DFN6 3x3	3.3V LDO	ST	<a href="#">LD39050PU33R</a>
29	1	U4	STM32L072KZUx, UFQFPN 32 5x5x0.55 mm	32 bit ARM MCU	ST	<a href="#">STM32L072KZU6</a>
30	8	U5, U6, U7, U8, U9, U10, U11, U12	LED1202, WFQFPN 3X3X0.60 20L PITCH 0.5	LED Driver	ST	<a href="#">LED1202QTR</a>

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