

**STEVAL-LLL001V1 (main board)**

**BILL OF MATERIALS**

Item	Quantity	Reference	Manufacturer	Part number	Part / Value	Voltage / Watt / Ampere	Type / TECHNOLOGY informations	Package
1	120	LED from 001 to 120	Lite-On	LTW-170TK	LED COOL WHITE 60/130°			LED0805 v2
2	3	C1, C1_i, C2	Murata	GRM188R60J106ME84D	10uF	6.3V	ceramic cap	RC0603
3	2	C4, C4_o	Murata	GRM21BR60J226ME39L	22uF	6.3V	ceramic cap	RC0805
4	3	CLK, SS1, SS2	Any	Header, 3-Pin	Header 3			HDR1X3
5	1	FEMALE	Any	Header, 13-Pin	Header 13			HDR1X13-90-FEMALE
6	1	INTERFACE	Any	Header, 6-Pin	Header 2x6			HDR2X6
7	1	IO1	STMicroelectronics	STLED524	STLED524			CSP 56 7x800um pitch
8	1	L1	Murata	LQM2HPN1R0MJHL	1uH	Isat>1.5A	multilayer inductor	L3225
9	1	MALE	Any	Header, 13-Pin	Header 13			HDR1X13-90-MALE
10	2	R1, R2	Any	std resistor	15k		smd resistor	C0603
11	1	RESET		Double-Pole, Single-Throw Switch	B1720B			B1720A
12	1	RSET	Vishay	CRCW060324K9FKEA	24,9k		Thick Film Chip Resistors	RC0603
13	1	VIN	Any	Header, 2-Pin	Header 2			HDR1X2

**STEVAL-LLL001V1 (USB-I<sup>2</sup>C dongle)**

**BILL OF MATERIALS**

Item	Quantity	Reference	Manufacturer	Part Number	Part / Value	Voltage / Watt / Ampere	Type / TECHNOLOGY informations	Tolerance	Package	Additional Notes
1	3	C1, C4, C7	Murata Electronics	GRM155R60J106ME44	10uF	6.3V	Ceramic	+/-20%	C0402X07L	
2	3	C2, C3, C5	Murata Electronics	GRM155R61H104KE14	100nF	50V	Ceramic	+/-10%	C0402X055L	
3	5	C6, C8, C9, C10, C11	Murata Electronics	GRM155R71H103KA88	10nF	50V	Ceramic	+/-10%	C0402X055L	
4	1	CN1			1x07 TH/SMD - 90°					Header
5	2	CN2, CN3	FCI	10118192-0001LF	USB_CON					Connector
6	1	L1	Murata Electronics	NFE31PT22Z1E9L	2.2nF	25V / 6A	EMI Filter	+/-50%	FB3216	LC Filter
7	1	LED1	Rohm Semiconductor	SML-210MTT86	Green		LED_SMD_0805_GREEN			
8	1	LED2	Rohm Semiconductor	SML-210LTT86	Red		LED_SMD_0805_RED			
9	2	R1, R2	Any		560				R0402X035L	
10	9	R3, R6, R7, R9, R12, R16, R19, R21	Any		0R0				R0402X035L	
11	1	R5	Any		10K				R0402X035L	
12	2	R11, R13	Any		22R				R0402X035L	
13	1	R15	Any		1K5				R0402X035L	
14	1	R17	Any		1M				R0402X035L	
15	1	U1	STMicroelectronics	LD1117S25TR	LD1117S25TR		LDO		ST_SOT-223	
16	1	U2	STMicroelectronics	STM32F103T8U6	STM32F103T8U6		MCU		VQFPN36	