

STEVAL-ILL002V3 Bill of materials

Bill of materials

Item	Qty	Reference	Part	Description	Order code	Supplier
1	2	C1 and C12	2.2 μ F/50 V	Electrolytic capacitor		
2	1	C2	10 μ F/35 V	Electrolytic capacitor		
3	7	C3, C4, C5, C6, C7, C15 and C17	100 nF/50 V	Ceramic capacitor SMD 0805		
4	4	C8, C9, C10 and C11	470 nF/16 V	Ceramic capacitor SMD 0805		
5a	2	C14 and C16	10 nF/50 V	Ceramic capacitor SMD 0805		
5b	1	C13	10 nF/50 V	Ceramic capacitor SMD 1206		
6	1	C18	22 nF/50 V	Ceramic capacitor SMD 0805		
7	1	C19	10 μ F/35 V	Tantal capacitor		
8	1	C20	220 pF/50 V	Ceramic capacitor SMD 0805		
9	1	C21	220 μ F/25 V	Electrolytic capacitor		
10	1	C22	100 μ F/16 V	Tantal capacitor		
11	40	D1, 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 and D40	LED	OSRAM SMD BLUE LED LB T68C-P2S1-35 or TOSHIBA LED - TLGE1100		OSRAM or TOSHIBA
12	1	D41	STPS340U	Diode	STPS340U	STMicroelectronics
13	1	D42	GREEN LED	SMD LED 1206		
14	1	D44	SMAJ33A-TR	Transil	SMAJ33A-TR	STMicroelectronics
15	1	IO5	L5970D	DC-DC converter	L5970D	STMicroelectronics
16	2	JP1 and JP2	JUMPER	Jumpers + switches		
17	1	J1	ICP	Programming connector		
18	1	J5	CON3	Input connector		



Bill of materials (continued)

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19	1	L1	33 μ H	Inductor	DO3316P-333ML	Coilcraft
20	1	P1	CONNECTOR DB9	CAN connector - 9 pin		
21a	2	R1 and R2	10 k	Potentiometers with axis		
21b	2	R8 and R9	10 k	SMD resistors 0805		
22	5	R3, R4, R5, R6 and R7	1k3	SMD resistors 1206		
23	1	R10	4k7	SMD resistors 0805		
24	1	R11	6k8	SMD resistors 1206		
25	1	R12	2K2	SMD resistors 1206		
26	1	R13	360	SMD resistors 1206		
27	1	R14	560	SMD resistors 1206		
28	2	SW1 and SW2	Push-button switch	Switch		
29	5	U1, U2, U3, U4 and U5	STP08DP05	LED drivers	STP08DP05TTR	STMicroelectronics
30	1	U6	ST232ABD	RS232 driver	ST232ABD	STMicroelectronics
31	1	U7	LE50/SO	Linear voltage regulator	LE50ABD	STMicroelectronics
32	1	U8	ST7lite3	Microcontroller	ST7FLITE39F2M6	STMicroelectronics

