

# STEVAL-ILL076V2

## BILL OF MATERIALS

Item	Quantity	Reference	Manufacturer	Part Number	Package	Description	Additional Notes
1	1	C1			SMD 0805	3.3nF 50V 10%	
2	1	C2	Nichicon	UVZ1J471MHD		470µF 63V 10%	
3	2	C3 C4	Epcos	B32922C3224K/R46KI322000M2K		220nF 305Vac X2 10%	
4	1	C5	Epcos	B32921C3104M/R46KF310000M1K		100nF 305Vac X2 10%	
5	2	C6 C7	Vishay	VY1221K31Y5SG63V0		220pF 500Vac Y1 10%	
6	1	C8			SMD1206	100pF 1kV 10%	
7	2	C9 C10	Vishay	VY2471K29Y5SG63V7		470pF 300Vac Y2 10%	
8	1	C11			SMD 0805	10pF 100V 10%	
9	1	C12	Nichicon	UHV1V470MDD		47µF 35V 10%	
10	2	C13 C14			SMD 0805	100nF 100V 10%	
11	1	C15	AVX	TAJA156K010RNJ		15µF 10V 10%	
12	1	C16			SMD 0805	220pF 50V 10%	
13	1	D1	Taiwan Semiconductor	KBP305G		600V / 3A	
14	1	D2	ST Microelectronics	STPS2200U	SMB	200V / 2A	
15	0	D3	Vishay	LL4148GS18	SOD80	NM	
16	1	D4	ST Microelectronics	P6KE300A		300V	
17	1	D5	ST Microelectronics	STTH108A	SMA	800V / 1A	
18	2	D6 D10	Vishay	LL4148GS18	SOD80		
19	1	D7	NXP Semiconductor	BZV55-C18,115	SOD80C	Zener 18V	
20	2	D8 D11	NXP Semiconductors	BZV55-B30,115	SOD80C	Zener 30V	
21	1	D9	NXP Semiconductors	BZV55-B27,115	SOD80C	Zener 27V	
22	1	F1	Cooper Bussmann	SS-5H-2A-BK		2Amps (T) 300Vac	
23	1	JPX1				20.5mm	
24	1	JPX2				171mm TIW	Connects J5 and J6
25	1	L1	MAGNETICA	1770.0013		1770.0013 2x 40 mH/ 0.25A	
26	1	P1	Molex	39880-0303	3-pin	SIP header	
27	1	P2	Molex	39880-0302	2-pin	SIP header	
28	1	Q1	ST Microelectronics	STD8N80K5	DPAK	800V / 8A	
29	1	R1			SMD1206	1ohms 0.500W 1%	
30	1	R2			SMD1206	0.82ohms 0.500W 1%	
31	1	R3			SMD 0805	1Kohms 0.125W 1%	
32	1	R4			SMD 0805	10Mohms 0.125W 1%	
33	1	R5			SMD1206	47ohms 0.250W 1%	
34	1	R6			SMD1206	8.2ohms 0.250W 1%	
35	2	R7 R8			SMD 0805	47Kohms 0.125W 1%	
36	1	R9			SMD 0805	24Kohms 0.125W 1%	
37	1	R10			SMD 0805	100Kohms 0.125W 1%	
38	1	R11	TE Connectivity	LR1F1K0	PTH	1Kohms 0.600W 1%	
39	1	R12			SMD1206	470ohms 0.250W 1%	
40	1	R13			SMD 0805	N.M.	
41	1	R14			SMD 0805	470ohms 0.125W 1%	
42	1	T1	MAGNETICA	2294.0005		2294.0005 590uH/ 95kHz/ 40W	
43	1	U1	ST Microelectronics	HVLED001A	SSOP10		
44	1	V1	Panasonic	ERZE07A431		ERZE07A431 MOV	