

**PROJECT NAME: STEVAL-ILL078V1**

**BILL OF MATERIALS**

Item	Quantity	Reference	Part / Value	Voltage / Watt / Ampere	Type / TECHNOLOGY informations	Tolerance	Package	Manufacturer	Manufacturer's ordering code / Orderable Part Number
1	2	C1	4.7uF	100V	X7S	10%	1210	TDK	C3225X7S2A475K
		C2	4.7uF	100V	X7S	10%	1210	TDK	C3225X7S2A475K
2	2	C3	1uF	100V	X7S	10%	0805	TDK	C2012X7S2A105K
		C4	1uF	100V	X7S	10%	0805	TDK	C2012X7S2A105K
3	1	C5	470nF	100V	X7R	20%	1210	TDK	C3225X7R2A474M
4	1	C6	N.M.						
5	1	C7	100nF	16V	X7R	10%	0603		
6	1	C8	N.M.						
7	1	C9	2.2nF	16V	X7R	10%	0603		
8	1	C10	1nF	16V	X7R	10%	0603		
9	1	C11	220pF	50V	NP0	10%	0603		
10	1	C12	100pF	100V	NP0	10%	0603		
11	1	C13	1uF	25V	X5R	20%	0805		
12	1	D1	STPS2L60	60V-2A	Schottky rectifier		SMBFLAT	STMicroelectronics	STPS2L60UF
13	1	D2	N.M.						
14	1	J1	STRIP2						
15	1	L1	47uH	2A sat/ 128mΩ max	Shielded inductor	20%	10x10mm	Coilcraft	Coilcraft MSS1038-473
16	1	R1	N.M.						
17	1	R4	0	100mW			0603		
18	1	R5	N.M.						
19	1	R6	4.7k	100mW		0.01	0603		
20	1	R7	1.5k	100mW		0.01	0603		
21	1	R8	47k	100mW		0.01	0603		
22	1	R9	33k	100mW		0.01	0603		
23	1	R12	100k	100mW		0.01	0603		
24	1	R13	0.24	500mW		0.01	1210	Panasonic	ERJ14BQFR24U
25	9	TP1	DIM		Test point		1.3mm diameter		
		TP2	SYNCH		Test point		1.3mm diameter		
		TP3	VIN		Test point		1.3mm diameter		
		TP4	VLED+		Test point		1.3mm diameter		
		TP5	EN		Test point		1.3mm diameter		
		TP6	GND		Test point		1.3mm diameter		
		TP7	GND		Test point		1.3mm diameter		
		TP8	VBIAS		Test point		1.3mm diameter		
		TP9	VLED-		Test point		1.3mm diameter		
26	1	U1	LED6000		Current source for LED supply		HTSSOP 16	STMicroelectronics	ST LED6000