

STEVAL-ISA198V1

BILL OF MATERIALS

Item	Qty	Ref	Manufacturer	Manufacturer Part Number	Description	Package	Type / TECHNOLOGY informations
1	2	C1	TDK Corporation	C3225X7S2A475K	4.7uF, 100V, 10%	1210	X7S
		C2	TDK Corporation	C3225X7S2A475K	4.7uF, 100V, 10%	1210	X7S
2	2	C3	TDK Corporation	C2012X7S2A105K	1uF, 100V, 10%	0805	X7S
		C4	TDK Corporation	C2012X7S2A105K	1uF, 100V, 10%	0805	X7S
3	1	C5	TDK Corporation	C3225X7S0J476M	47uF, 16V, 20%	1210	X5R
4	1	C6			N.M.		
5	1	C7			100nF, 16V, 10%	0603	X7R
6	1	C8			680pF, 50V, 5%	0603	C0G
7	1	C9			6.8nF, 50V, 10%	0603	X7R
8	1	C10			33nF, 50V, 10%	0603	X7R
9	1	C11			68pF, 50V, 10%	0603	X7R
10	1	C12			N.M.		
11	1	D1	STMicroelectronics	STPS2L60UF	STPS2L60, 60V-2A,	SMBFLAT	Schottky rectifier
12	3	J1			Jumper		
		J2			CUT 2		
		J3			CUT 2		
13	1	L1	Coilcraft	MSS1038-153MLC	15uH, 3.86A sat/ 50mΩ max., 20%	10.2x10.5mm	Shielded inductor
14	1	R1			N.M.		
15	1	R2			100k, 100mW, 1%	0603	
16	1	R4			0, 100mW	0603	
17	1	R5			910, 100mW, 1%	0603	
18	1	R6			10k, 100mW, 1%	0603	
19	1	R7			68k, 100mW, 1%	0603	
20	1	R8			47k, 100mW, 1%	0603	
21	1	R9			27k, 100mW, 1%	0603	
22	1	R10			N.M.		
23	1	R11			13k, 100mW, 1%	0603	
24	7	TP1			PGOOD	1.3mm diameter	Test point
		TP2			SYNCH	1.3mm diameter	Test point
		TP3			VIN	1.3mm diameter	Test point
		TP4			VOUT	1.3mm diameter	Test point
		TP5			EN	1.3mm diameter	Test point
		TP6			GND	1.3mm diameter	Test point
		TP7			GND,	1.3mm diameter	Test point
25	1	U1	STMicroelectronics	STM L7987L	L7987L	HTSSOP 16	DC/DC SW regulator