

PROJECT NAME: STEVAL-ISA152V1

BILL OF MATERIALS

Item	Quantity	Reference	Part / Value	Voltage / Watt / Ampere	Type / TECHNOLOGY informations	Tolerance	Package	Manufacturer	Manufacturer's ordering code / Orderable Part Number	Supplier	Supplier's ordering code	Additional Notes
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	47uF	16V	X5R	20%	1206	TDK	C3216X5R1C476M			
4	1	C6	N.M.									
5	1	C7	100nF	16V	X7R	10%	0805					
6	1	C8	10nF	25V	X7R	10%	0603					
7	1	C9	33nF	16V	X7R	10%	0603					
8	1	C10	22nF	16V	X7R	10%	0603					
9	1	C11	1nF	25V	X7R	10%	0603					
10	1	D1	STPS3L60	60V-3A	Schottky rectifier		SMBFLAT	STMicroelectronics	STPS3L60UF			
11	3	J1	CUT 3									
		J2	CUT 3									
		J3	CUT 3									
12	1	L1	10uH	4.9A sat/ 45mΩ max.	Shielded inductor	20%	5x5mm	Coilcraft	Coilcraft XAL5050-103			
13	1	R1	N.M.									
14	1	R2	100k	100mW		1%	0603					
15	1	R3	0	125mW			0805					
16	1	R4	0	125mW			0805					
17	1	R5	68	100mW		1%	0603					
18	1	R6	620	100mW		1%	0603					
19	1	R7	6.8k	100mW		1%	0603					
20	1	R8	47k	100mW		1%	0603					
21	1	R9	N.M.									
22	1	R10	N.M.									
23	1	R11	2.2k	100mW		1%	0603					
24	7	TP1	PGOOD		Test point		1.3mm diameter			Distrelec	450271	Alternative Farnell 2293312
		TP2	SYNCH		Test point		1.3mm diameter			Distrelec	450271	Alternative Farnell 2293312
		TP3	VIN		Test point		1.3mm diameter			Distrelec	450271	Alternative Farnell 2293312
		TP4	VOUT		Test point		1.3mm diameter			Distrelec	450271	Alternative Farnell 2293312
		TP5	EN		Test point		1.3mm diameter			Distrelec	450271	Alternative Farnell 2293312
		TP6	GND		Test point		1.3mm diameter			Distrelec	450271	Alternative Farnell 2293312
		TP7	GND		Test point		1.3mm diameter			Distrelec	450271	Alternative Farnell 2293312
25	1	U1	L7987		DC/DC SW regulator		HTSSOP 16	STMicroelectronics	L7987			