

STEVAL-ISA153V1
BILL OF MATERIALS

Item	Quantity	Reference	Part / Value	Voltage / Watt / Ampere	Type / TECNOLOGY informations	Tolerance	Package	Manufacturer	Manufacturer's ordering code / Orderable Part Number
1	2	IN, OUT	Input/output connector					TE Connectivity	282837-2
2	1	RV	MOV					EPCOS	B72210S0321K101
3	1	BR	Bridge rectifier	1A/600V			DBLS	Taiwan Semiconductor	DBLS105G
4	1	NTC	10Ω	2.1W		20%		EPCOS	B57236S100M
5	1	FS	2A fuse	2A - 600V				Littlefuse	0461002.ER
6	1	R1	220kΩ	200V--0.33W		5%	1206	Panasonic	ERJ-P08J224V
7	1	R2	4.7Ω	0.1W		1%	0603	Panasonic	ERJ3RQF4R7V
8	1	R3	210kΩ	0.1W		1%	0603	Panasonic	ERJ-3EKF2103V
9	1	R4	47kΩ	0.1W		1%	0603	Panasonic	ERJ-3EKF4702V
10	1	R5	220Ω	0.25W		5%	0805	Panasonic	ERJT06J221V
11	1	R6	47kΩ	0.1W		1%	0603	Panasonic	ERJ-3EKF4702V
12	1	R7	1kΩ	0.1W		5%	0603	Panasonic	ERJ3GEYJ102V
13	1	R8	150kΩ	0.1W		5%	0603	Panasonic	ERJ3GEYJ154V
14	1	R9	240kΩ	0.1W		5%	0603	Panasonic	ERJ3GEYJ244V
15	1	R10	130kΩ	0.2W		1%	0603	Panasonic	ERJP03F1303V
16	1	R11	15kΩ	0.2W		1%	0603	Panasonic	ERJP03F1502V
17	1	R12	1.8MΩ (N.C.)	0.1W		1%	0603	Vishay	CRCW06031M80FKEA
18	1	C1	220nF	275V X2			(17.5x7)mm	Vishay	BFC233920224
19	2	C2,C3	Elcap 33uF	400V			Ø10mm - p5mm -	Rubycon	400BXW33MEFC10X30
20	1	C4	capacitor 220pF	630V	MLCC		1206	TDK	C3216C0G2J221J060AA
21	1	C5	capacitor 220pF	50V	MLCC		0603	Murata	GRM188R71H221KA01D
22	1	C6	33uF	35V	Elcap		Ø5mm - p2mm -	Rubycon	35YXM33MEFC5X11
23	1	C7	capacitor 10nF	50V	MLCC		0603	Murata	GRM188R71H103KA01D
24	1	C8	capacitor 33nF	50V	MLCC		0603	Murata	GRM188R71H333KA61D
25	1	C9	820uF	25V	Elcap		Ø10mm - p5mm -	Rubycon	25ZLK820M10X20
26	1	C10	220uF	25V	Elcap		Ø6.3mm - p2.5mm	Rubycon	25YK220M6.3X11
27	1	C11	capacitor 1uF	25V	MLCC		0603	Murata	GRM188C81E105KAADD
28	1	C12	MLCC capacitor 10nF	50V	MLCC		0603	Murata	GRM188R71H103KA01D
29	1	C13	capacitor 2.2nF	X1/Y2 250Vac	Ceramic		Ø8 mm - p5 mm	Murata	DE2E3KY222MA2BM01
30	1	C14	MLCC capacitor 2.2uF	6.3V	MLCC		0603	Murata	GRM185R60J225KE26D
31	1	D1	Ultrafast diode	1A 600V			SMA	STMicroelectronics	STTH1L06A
32	3	D2,D3,D4	Signal schottky	0.15A 100V			SOD-123	STMicroelectronics	BAT41ZFILM
33	1	D5	Zener diode	18V			SOD-123	Vishay	MMSZ5248B-V-GS08
34	1	D6	Power Schottky	100V-5A			DPACK	STMicroelectronics	STPS5H100B
35	1	L1	1mH axial inductor					Epcos	B82144A2105J

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36	1	L2	3.3uH				(4.7x4.2) mm	Coilcraft	SD43-332ML
37	1	CM	20mH CM CHOKE					Würth Elektronik	744821120
38	1	IC1	Offline HV converter				SDIP10	STMicroelectronics	VIPer38LE
39	1	OPT	Optocoupler				SMD4	Vishay	SFH610A-2
40	1	REF	Reference				SOT23	STMicroelectronics	TS432ILT
41	1	T1	Flyback transformer				EE13VP-11	Yujingtech	YJ-310V600210