

PROJECT NAME:

STEVAl-ISA114V1

## BILL OF MATERIALS

Item	Quantity	Reference	Part / Value	Tolerance %	Voltage Current	PACKAGE	Manufacturer	RS/Distelec/Other Code Vendor
1	1	C1	2.2uF, 400V	electrolytic capacitor	400V		SAMXON	365-4723
2	1	C2	2.2uF, 400V	electrolytic capacitor	400V		SAMXON	365-4723
3	1	C3	2.2uF, 25V	ceramic capacitor	25V	SMD: 0805	Murata	723-6366
4	1	CFB	not mounted	ceramic capacitor		SMD: 0805	Not assembly	Not assembly
5	1	CF	100nF, 50V	ceramic capacitor	50V	SMD: 0805	Murata	723-5048
6	1	Cc	not mounted	ceramic capacitor		SMD: 0805	Not assembly	Not assembly
7	1	C7	22nF, 25V	ceramic capacitor	25V	SMD: 0805	Murata	
8	1	C8	100nF, 50V	ceramic capacitor	50V	SMD: 0805	Murata	
9	1	C9	100uF, 50V	electrolytic capacitor	50V		Rubycon, ZL series	
10	1	D1	1N4007	high voltage rectifier		DO-41	Fairchild	671-5468
11	1	D3	STTH1L06	high voltage ultra fast rectifier		SMB (SOD87)	ST	
12	1	D4	STTH1L06	high voltage ultra fast rectifier		SMB (SOD87)	ST	
13	1	Daux	not mounted	Small signal diode			Not assembly	Not assembly
14	1	IC	VIPer06XS	high voltage converter		SSO-10	ST	
15	1	L1	1mH	input filter inductor		SMD	EPCOS	495-8262
16	1	L2	RFB0810-681	0.68mH power inductor			COILCRAFT	
17	1	R1	22ohm	1W resistor	1W		PANASONIC	
18	1	R3	1kohm, 1%	1/4W resistor	1/4W	SMD: 0805	PANASONIC	721-7753
19	1	R4a	1.5kohm, 1%	1/4W resistor	1/4W	SMD: 0805	PANASONIC	721-7832
20	1	R4b	22kohm	1/4W resistor	1/4W	SMD: 0805		
21	1	R5a	15kohm	1/4W resistor	1/4W	SMD: 0805		
22	1	R5b	0ohm, 1%	1/4W resistor	1/4W	SMD: 0805	PANASONIC	721-7864
23	1	R6	not mounted	1/4W resistor	1/4W	SMD: 0805	Not assembly	Not assembly
24	1	Rbl	10kohm, 1%	1/4W resistor	1/4W	SMD: 0805	PANASONIC	721-7820