

**STEVAL-ISA121V1**

ITEM	Qty	Reference	Part Number	Part Maker	Description	Package Information	SUPPLIER	CODE
1	1	BR1	DF08M-E3	Vishay	Diode bridge 800 / 600V	DFM	RS	629-5103
2	1	C1	PFR5 221J630J11L4	Evov Rifa	220pF-630V film capacitor		RS	240-4814
3		C2	EEUED2G330S	Panasonic	33uF Electrolytic Cap. 400V	7.5mm (pitch) d= 0.8 D = 16 L = 31.5	RS	434-0324
4	2	C3, C4	16ZLK1200M10X20	Rubycon ZLK	1200uF-16V Low ESR el. cap.	(10X20) mm (pitch) 5 mm	FARNELL	1831284
5	1	C5	16ZLH100M5X11	Rubycon ZLH	100uF-16V Low ESR el. cap.	(5X11) mm (pitch)2 mm	RS	703-7488
6	2	C6	B81133C1223M	EPCOS	22nF	LS ((pitch)) = 15mm d = 0.8 WXL 5X18	RS	4148364
7	1	C7	440LD22 10PCM	CERA MITE	Y1 Type Capacitor 2.2nF	LS ((pitch)) = 9.5mm d = 0.81 D = 11 X= 2.54	RS	214-5903
8	2	C9,C10		Kemet	10nf 50V Ceramic capacitor	LS ((pitch)) = 2.54mm	RS	538-1196
9	1	C11	C320C333K1R5TA	Kemet	33nF Ceramic Capacitor	LS = 2.54mm	RS	538-1332
10	1	C13	RPER71H472K2M1A03A	Murata	4.7nf 50V Ceramin Capacitor	LS = 2.54mm	RS	721-5287
11	1	C14	RPER71H473K2S1A03A	MURATA	22nf Ceramic Capacitor	LS = 2.54mm	RS	653-0197
12	1	C12	EEUFC1V470	Panasonic	47uF 35V Electrolytic Capacitor	LS = 2.5 d =0.45 D = 6.3mm L = 7	RS	571-105
13	1	D5	BAT46RL	<b>STMicroelectronics</b>	Small Signal Schottky diode	DO - 35		
14	2	D4, D7	1N4148	Fairchild Semiconductor	Fast diode	DO - 35	RS	670-8858
15	1	D3	STTH1L06	<b>STMicroelectronics</b>	UltraFast II 600V 1A diode			
16	1	D2	STPS30L45CT	<b>STMicroelectronics</b>	45V 30A Power Schottky	TO220		
17	1	D1	1.5KE220A	<b>STMicroelectronics</b>	220V Transil			
18	1	J1	GMKDS 3/2-7.62	Phoenix Contact	Input connector	(pitch) = 7.62mm d = 1.3 WXL= 11.2 X 15.23	RS	189-5966
19	1	J2	MKDS 3/2-5.08	Phoenix Contact	Out-put connector	(pitch) = 5.08mm d = 1.3 WXL= 11.2 X 10.16	RS	189-5843
20	4	J4,J5,J6,J7	Nylon Spacer		Spacer	Drill size 3mm H=1cm		
21	1	D6	BZX79-C18	NXP	18V Diode Zener	DO - 35	RS	544-4499
22	1	F1	3821160041	Wickmann	Fuse 1.6A	LS = 5.08 d=0.6 D = 8 L = 8	RS	377-2146
23	1	J3			Selector			
24	1	L1	ELC09D2R2F	Panasonic	2.2uH inductor	LS = 5mm d=0.6 D = 9.5 L = 9	MOUSER	667-ELC-09D2R2F
25	1	NTC1	B57236S100	EPCOS	10 Ohm NTC	LS = 5mm d = 0.6 D=11.5 T = 6mm	RS	211-7958
26	1	Opto 1	KB817A	Kingbright	opto isolatore		RS	619-2032
27	1	R1	ERD-S1TJ225V	Panasonic ECG	2.2Meg			
28	1	R2	CF 1/4 3.9M 5% R	Stackpole Electronics Inc	3.9MΩ ±1%			
29	1	R3	ERD-S1TJ205V	Panasonic ECG	2Meg			
30	1	R4	ERD-S2TJ154V	Panasonic ECG	150 kΩ ±1%			
31	1	R5	ERD-S2TJ3R3V	Panasonic ECG	3.3 Ohm			
32	1	R6	ERD-S2TJ331V	Panasonic ECG	330 Ohm			
33	1	R7	ERD-S2TJ221V	Panasonic ECG	220 Ohm			
34	1	R8	ERD-S2TJ123V	Panasonic ECG	12k			
35	1	R9	ERD-S2TJ124V	Panasonic ECG	120kΩ ±1%			
36	1	R10	ERD-S2TJ564V	Panasonic ECG	10kΩ ±1%			
37	1	R11	ERD-S2TJ333V	Panasonic ECG	33kΩ ±1%			
37	1	R12			33kΩ ±1%			
38	1	R13	ERD-S2TJ473V	Panasonic ECG	47k			
39	1	R14	ERD-S2TJ393V	Panasonic ECG	39kΩ ±1%			
40	1	R15	N.M.					
41	1	T1	1715.0038	MAGNETICA	Transformer			
42	1	T2	BU16-2530R7BL	CoilCraft	Common Mode choke			
43	1	U1	VIPER37LE	<b>STMicroelectronics</b>		sdip10		
44	1	VR1	TS431	<b>STMicroelectronics</b>	Voltage Reference			
45	1	HS1	LS220	ABL Components	Heat Sink		234-2334	