



PROJECT NAME:

STEVAL-ISA058V1

BILL OF MATERIALS

Item	Quantity	Reference	Part / Value	Tolerance %	Voltage Current	TECHNOLOGY information	PACKAGE	Manufacturer	Manufacturer Code	RS/Distelec/Other Code
1	1	BR1	DF06M		600	Miniature Glass passivated Single-Phase Bridge rectifier	DFM	General semiconductors	DF06M	RS 360-0230
2	1	C1	100nF		275	EMI suppressor Capacitor MKP X2 type	B32922	EPCOS	B32922	RS 334-596
3	1	C2	10uF		400V	Aluminium Electrolytic capacitor	10X20	PANASONIC	ECA2GHG100	RS 365-4751
4	1	C3	4.7uF		400V	Aluminium Electrolytic capacitor	10X16	PANASONIC	ECA2GHG4R7	RS 365-4745
5	1	C4	22uF		35V	Aluminium Electrolytic capacitor	6.3X5	PANASONIC	ECEA1VKS220	RS 116-925
6	1	C6	1.8nF		50V	Ceramic capacitor	SM/L_0805	KEMET	C0805F182K5RAC	
7	1	C7	22nF		50V	Ceramic capacitor	SM/L_0805	KEMET	C0805F223K5RAC	534-6070
8	1	C8	2.2nF			Y1 Ceramic Capacitor		CERAMITE	440LD22 10PCM	RS 214-5903
9	1	C9	1000uF		10V	Aluminium Electrolytic capacitor MCZ Series	8X10 (DXL)	Rubycon		
10	1	C10	47uF		25	Aluminium Electrolytic capacitor YK series	5X11 (DXL)	Rubycon		
11	1	C11	10nF		50V	Ceramic capacitor	SM/L_0805	KEMET	C0805F103K5RAC	
12	1	C13	2.2nF		50V	Ceramic capacitor	SM/L_0805	KEMET	C0805F222K5RAC	
13	1	D1	BAT46		100V	Small signal Schottky diodes	DO -35	STMicroelectronics	BAT46	
14	1	D2	1N4148		100V	High Speed diode	DO -35	Philips	1N4148	RS 438-0259
15	1	D3	STTH1L06		600V	TURBO 2 ULTRAFAST HIGH VOLTAGE RECTIFIER	DO-41	STMicroelectronics	STTH1L06	RS 486-2931
16	1	D4	STPS5L40		40V	POWER SCHOTTKY RECTIFIER	DO-201AD	STMicroelectronics	STPS5L40	
17	1	D5	P6KE220			TRANSIL	DO-15	STMicroelectronics	P6KE220	
18	1	F1	1A Fuse			FUSIBILE	8.5X8.5	Shurter	0034.6615	DIS. 271344
	1	J1	Vac			CONNETTORE 2poli a vite	TRH-PITCH 7.62 mm	Phoenix Contact	1731721	R.S.189-5966
19	1	J2	VDC			CONNETTORE 2poli a vite	TRH-PITCH 5.08 mm	Phoenix Contact	MKDSN 1.2/2-5.08	RS.193-0586
20	1	L1	4.7uH			INDUTTORE RADIALE	Lead Spacing 5mm	PANASONIC	ELC08D4R7E	RS 233-5112
21	1	NTC1	16 Ohm NTC			NTC		EPCOS	B57236S160M	RS 211-7964
22	1	OPTO1	PC817			OPTO-COUPLER	DIP4	SHARP	PC817D	RS 175-110
23	1	R1	0 OHM	5%		Resistance	SM/L_0805			
24	1	R3	33k	1%		Resistance	SM/L_0805			
25	1	R8	120k	1%		Resistance	SM/L_0805			
26	1	R9	39k	1%		Resistance	SM/L_0805			
27	1	R10	470k	5%		Resistance	SM/L_0805			
28	1	R12	33k	5%		Resistance	SM/L_0805			
29	1	R13	2.2k	5%		Resistance	SM/L_0805			
30	1	R14	130k	1%		Resistance	1/4W Axial			
31	1	R16	3.3 OHM	5%		Resistance	SM/L_0805			
32	1	R15	15k	5%		Resistance	SM/L_0805			
33	1	T1	PH0132NL			Transformer		Pulse	PH0132NL	
34	1	T2	BU9 -103R25BL			Line Filter		COIL-CRAFT	BU9 -103R25BL	
35	1	U1	VIPER17LN			VIPER DEVICE	DIP7	STMicroelectronics	VIPER17LN	
36	1	U2 (VR1)	TS431			Voltage reference	TO92 Ampopack	STMicroelectronics	TS431AIZ-AP	
37	1	Wire Jump	0.35 mmq		isolated	isolate Wire Jump				