

Bill of Material - STEVAL-IFP002V1

Item	Quantity	Reference	Value	Type	Distributor	Order code
1	16	C5,C6,C7,C8,C9,C10,C11,C12 C19,C20,C21,C22,C23,C24,C25.C26	10nF X7R 10%	SMD Capacitor Ceramic Size 0805		
2	4	C14,C13,C18,C17,	4.7nF 500V X7R 10%	SMD Capacitor Ceramic Size 1206	Rutronik	12067C472KAT2A
3	4	C2,C4,C15,C27	100nF 50V Z5U 20%	SMD Capacitor Ceramic Size 0805	Epcos	B37941-K5104-K062
4	2	C1,C28	22uF/50V	THT Electrolytic capacitor 6.3x11, 2,5mm	GM electronics	E22M/50VT 123-076
5	1	C30	10uF/35V Y5V	SMD Capacitor Ceramic Size 1210	Taiyo Yuden	CE GMK325 F106ZH-T
6	1	C33	100uF/16V	SMD Tantalum Capacitor	Epcos	B45196-H3107-K409
7	1	C31	220pF COG 5%	SMD Capacitor Ceramic Size 0805		
8	1	C32	22nF X7R 10%	SMD Capacitor Ceramic Size 0805		
9	2	D1,D2	SM15T36A	SMD Diode	ST Microelectronics	SM15T36A
10	1	D3	STPS2L25U	SMD Diode	ST Microelectronics	STPS2L25U
11	2	J1,J4	MLW14	THT	GM electronics	800-046
12	2	J2,J3	Terminal block 5,08mm	THT 3 MKDS1.5-505 Phoenix Contact	Farnell	304-1530
			Terminal block 5,08mm	THT 2 MKDS1.5-505 Phoenix Contact	Farnell	304-1529
13	1	L1	33uH/2A	SMD coil	Würth Elektronik	744 561 33
14	2	R1,R13	2k2	SMD Resistor Size 0805		
15	16	R3,R4,R5,R6,R7,R8,R9,R10 R16,R17,R18,R19,R20,R21,R22, R23,	1k5	SMD Resistor Size 0805		
16	1	R26	15K	SMD Resistor Size 0805		
17	3	R12,R15,R25	4k7	SMD Resistor Size 0805		
18	1	R27	3k9	SMD Resistor Size 0805		
19	2	R11,R24	10k	SMD Resistor Size 0805		
20	1	J5	Terminal block 5.08mm	THT 2 MKDS1.5-505 Phoenix Contact	Farnell	304-1529
21	4	U2,U3,U7,U8	TLP281-4	SMD Toshiba	Ryston /GM	961-022
22	2	U1,U5	VN808	SMD PSO36	ST Microelectronics	VN808
23	2	U4,U6	TLP181	SMD Toshiba	GM electronics	961-014
24	1	U9	L5970D	SMD SO 8	ST Microelectronics	L5970D
25	2	F1,F2	7A	SMD Fuse SMR 419 7A	Farnell	416-1622