

STEVAL-IPB001V1: Bill Of Material

Reference	Quantity	Value/part number	Description
C1	1	ESF227M035AH2AA	Electrolytic capacitor, 220 μ F/35 V, ARCOTRONICS
C2, C5, C6	3	ESZ336M450AM2AA	Electrolytic capacitor, 33 μ F/450 V, ARCOTRONICS
C3	1	ESF337M025AH2AA	Electrolytic capacitor, 330 μ F/25 V, ARCOTRONICS
C4	1	ESW476M025AC3AA	Electrolytic capacitor, 47 μ F/25 V, ARCOTRONICS
C7	1	10 nF low voltage	Polyester capacitor, 50 V
C8	1	100 pF low voltage	Polyester capacitor, 50 V
C9	1	820 pF low voltage	Polyester capacitor, 50 V
C10	1	12 nF low voltage	Polyester capacitor, 50 V
C11	1	R82DC3100AA50M	Polyester capacitor, 100 nF/63 V, ARCOTRONICS
CON2	1	Bipolar connector	
CON3	1	Tripolar connector	
R1, R4, R7, R9, R11, R12	6	5.6 M Ω	Resistor, carbon film, 200 V, 0.125 W, 5 %
R2, R5, R8, R10, R24, R25	6	10 k Ω	Resistor, carbon film, 250 V, 0.25 W, 5 %
R3	1	1 Ω	Resistor, carbon film, 250 V, 0.25 W, 5 %
R6, R22	2	10 K Ω	Resistor, carbon film, 250 V, 0.25 W, 5 %
R13	1	680 k Ω	Resistor, carbon film, 250 V, 0.25 W, 5 %
R14	1	16 k Ω	Resistor, metal film, 250 V, 0.25 W, 1 % - for fine tuning
R15	1	3.3 k Ω	Resistor, carbon film, 250 V, 0.25 W, 5 %
R16	1	150 K Ω	Resistor, carbon film, 250 V, 0.25 W, 5 %
R17	1	22 Ω	Resistor, carbon film, 250 V, 0.25 W, 5 %
R18	1	2.2 k Ω	Resistor, carbon film, 250 V, 0.25 W, 5 %
R19	1	1 k Ω	Resistor, carbon film, 250 V, 0.25 W, 5 %
R20	1	100 k Ω	Resistor, metal film, 250 V, 0.25 W, 1 % - for fine tuning
R21	1	3.9 k Ω	Resistor, metal film, 250 V, 0.25 W, 1 % - for fine tuning
R23	1	6.8 Ω	Resistor, carbon film, 250 V, 0.25 W, 5 %
R26	1	10 Ω	Resistor, carbon film, 250 V, 0.25 W, 5 %
D1, D2, D4	3	STTH110	Diode, high voltage ultra fast, 1000 V - 1 A, DO41, STMicroelectronics
D3	1	1N4148	Diode, 75 V, 0.15 A, DO-35
D5	1	20 V zener	Diode, zener, 20 V, 0.5 W
IC1	1	STUC3845B	Current mode PWM controller, Dip-8, STMicroelectronics
Q2	1	PN2222A	Small signal bipolar transistor, NPN, 40 V, 0.6 A, TO-92, STMicroelectronics
Q3	1	STP03D200	High voltage Darlington, NPN, 2 KV, 3 A, TO220, STMicroelectronics
Q4	1	STC04IE170HP	Emitter switched Bipolar transistor, 1.7 KV, 4 A, TO-247 4 L, STMicroelectronics
TR1	1	SRW20EF - E13H003	Transformer, TDK