

STEVAL-ISA111V1

Bill of material

Bill of material (simplified schematic)

Reference	Part	Description	Manufacturer
NTC	2.2 Ω NTC	Thermistor, S236 series	EPCOS
F	T2A 250 V	2 A, 250 V _{AC} fuse, TR5 series	Wickmann
C1		10 μ F, 400 V NHG series electrolytic capacitor	Panasonic
C2		22 μ F, 35 V SMG series electrolytic capacitor	Panasonic
C4		2.2 μ F, 63 V electrolytic capacitor	
C5		100 nF, 50 V ceramic capacitor	
C6		2.2 nF, 50 V ceramic capacitor	
C7		100 nF, 50 V ceramic capacitor	
C8		2.2 nF, 50 V ceramic capacitor	
C9	Not mounted		
C10		1000 μ F, 16 V ultra low ESR electrolytic capacitor ZL series	Rubycon
C11		680 μ F, 16 V ultra low ESR electrolytic capacitor ZL series	Rubycon
C12	Not mounted		
D0	DF06M	1 A - 600 V diode bridge	Vishay
D1	STTH1L06	1 A - 600 V ultrafast diode	ST
D2	Not mounted		
D3	STPS3150	3 A-150 V power Schottky (output diode)	ST
D4	1.5KE300A	Transil	ST
D5	Not mounted		
D6	1N4148	Small signal diode	Fairchild
R1	Not mounted		
R2	Not mounted		
R3		47 k Ω 1% 1/4 W resistor	
R4a		15 k Ω 1% 1/4 W resistor	
R4b		2.7 k Ω 1% 1/4 W resistor	
R5		27 k Ω 1/4 W resistor	
R7		33 k Ω 1/4 W resistor	
L1	Short-circuit		
L2	RFB0807-102	Input filter inductor (L = 1 mH, I _{SAT} = 0.3 A; DCR _{max} = 3.4 Ω)	Coilcraft
T1	1335.0089	115 kHz switch mode transformer	Magnetics
	750810131 Rev. 6A	Flyback transformer	Würth
IC1	VIPER26HN	High-voltage 115 kHz PWM	ST

Bill of material (simplified schematic) (continued)

Reference	Part	Description	Manufacturer
J1	Not mounted	Jumper	
J2	Short-circuit	Jumper	