

STEVAL-ISA117V1 Bill of material

Ref.	Part	Description	Manufacturer
D0	DF06M	Diode bridge	Vishay
C1, C2	4.7 μ F, 400 V	Electrolytic capacitor, NHG series	Panasonic
C3	not mounted		
C4	10 μ F, 35 V	Electrolytic capacitor, G series	Panasonic
C5	100 nF, 50 V	Ceramic capacitor, SR series	AVX
C8	3.3 nF, 100 V	Ceramic capacitor	
C9	470 μ F, 25 V	Ultra-low ESR electrol. cap., ZL series	Rubycon
C10	not mounted	Electrolytic capacitor	
C11	33 nF, 50 V	Ceramic capacitor B3798X series	EPCOS
C12	2.2 nF	Y1 capacitor 440L series	Vishay
C13	100 nF, 50 V	Ceramic capacitor, SR series	AVX
D1	not mounted	Clamp diode	
D2	STPS2H100	Output diode 2 A, 100 V	ST
D3	BAT46	Small signal diode	ST
Dz	18 V	Zener diode	
Rz	6.8 k Ω	1/4 W resistor	
R1	4.7 Ω	1 W resistor	Tyco electronics
R4	not mounted	1/4 W resistor	
R5	not mounted	1/2 W resistor	
R8	8.2 k Ω	1/4 W resistor	
R9	15 k Ω	1/4 W resistor	
R10	680 k Ω	1/4 W resistor	
R11a	120 k Ω	1/4 W resistor	
R11b	27 k Ω	1/4 W resistor	
R12a	15 k Ω	1/4 W resistor	
R12b	1.8 k Ω	1/4 W resistor	
IC1	Viper16L	PMW controller	ST
IC2	TS431	Voltage reference	ST
IC3	PC817	Optocoupler	
L1	1 mH	Filter inductor BC type	EPCOS
L2	short circuit		
L3	1 μ H	Small signal inductor	
T1	1335.0062	Flyback transformer	Magnetica
	7508110342 Rev. 6A		Würth
J	Jumper		