

**STEVAL-ISA112V1 Bill of material**

<b>Ref.</b>	<b>Part</b>	<b>Description</b>	<b>Manufacturer</b>
Cin1		3.3 $\mu$ F, 400 V NHG series electrolytic capacitor	
Cin2		3.3 $\mu$ F, 400 V NHG series electrolytic capacitor	
CVDD		1 $\mu$ F, 50 V electrolytic capacitor	
Cfilt1		100 nF, 50 V ceramic capacitor	
Cc		10 nF, 50 V ceramic capacitor	
Cp		1 nF, 50 V ceramic capacitor	
Cfb		1 nF, 50 V ceramic capacitor	
Cout		330 $\mu$ F, 16 V ZL series ultra-low ESR electrolytic capacitor	Rubycon
Ccl	not mounted		
Cfilt2	not mounted		
D0	DF06M	600 V 1 A Diode Bridge	Vishay
D1	not mounted		
D2	STPS2H100	100 V, 2 A, Power Schottky rectifier	ST
Daux	1N4148	Small signal diode	
Dz	not mounted		
R0		4.7 $\Omega$ 3/4 W resistor	
RLIM		15 k $\Omega$ 5% 1/4 W resistor	
Rc		47 k $\Omega$ 5% 1/4 W resistor	
RfbH1		33 k $\Omega$ 1% 1/4 W resistor	
RfbH2		0 $\Omega$	
RfbL1		12 k $\Omega$ 1% 1/4 W resistor	
RfbL2		0.47k $\Omega$ 1% 1/4 W resistor	
Raux	not mounted		
IC1	VIPer06HN	Off-line high-voltage PWM controller	ST
T1	1921.0040	Transformer	Magnetica
Lin	B82144A2105J000	1mH inductor LBC series	Epcos