

**STEVAL-ISA134V1 Bill of materials (BOM)**

Reference	Part	Description	Note
BR	RMB6S	0.5 A - 600 V bridge	Taiwan Semiconductor
R1		10 $\Omega$ - 1 W resistor	5% tolerance
R2		220 k $\Omega$ - 1/3 W resistor	5% tolerance
R3		220 $\Omega$ - 1/3 W resistor	5% tolerance
R4		22 k $\Omega$ - 1/10 W resistor	1% tolerance
R5		270 $\Omega$ - 1/10 W resistor	5% tolerance
R6		12 k $\Omega$ - 1/10 W resistor	5% tolerance
R7		1.8 M $\Omega$ - 1/10 W resistor (N.C.)	5% tolerance
R8		1 M $\Omega$ - 1/10W resistor	5% tolerance
R9		150 k $\Omega$ - 1/10 W resistor	1% tolerance
R10		17.2 k $\Omega$ - 1/10 W resistor	1% tolerance
C1,C2		4.7 $\mu$ F - Electrolytic capacitor 400 V	Rubycon
C3		220 pF - Capacitor 630 V	
C4		10 $\mu$ F - Electrolytic capacitor 50 V	Rubycon
C5		100 nF - Capacitor 50 V	
C6		1nF - Capacitor 50 V	
C7		2.2 nF - Capacitor 50 V	
C8	ZL series	220 $\mu$ F - Electrolytic capacitor 25 V	Rubycon
C9	ZL series	47 $\mu$ F - Electrolytic capacitor 25 V	Rubycon
C10		10 nF - Capacitor 50 V	
C11		2.2 nF - Capacitor Y2	
D1	STTH1L06A	Ultrafast diode 1A – 600 V	ST
D2	STPS1H100A	Power Schottky 1 A – 100 V	ST
D3	BAT46ZFIL	Signal Schottky 0.15 A – 100 V	ST
D4	MMSZ5248B-V-GS08	Zener diode 18 V 0.5 W	
T1	1921.0039	Flyback transformer	Magnetica
	7508110341 Rev. 6A		Würth
IC1	VIPer06HN	Offline primary controller	ST
IC2	TS432ILT	Low voltage adjustable shunt reference	ST
IC3	SFH6106-2T	Optocoupler	Vishay
L1	LPS4414	1 mH - Power inductor	Coilcraft
L2	LPS3008	4.7 $\mu$ H - Power inductor	Coilcraft
L3	ME3220	4.7 $\mu$ H - Power inductor	Coilcraft