

STEVAL-ISA136V1 Bill of materials (BOM)

Reference	Part	Description	Supplier
BR	RMB6S	0.5A – 600V Bridge	Taiwan Semiconductor
R1	ROX1SJ10R	10Ω±5% - 1W Resistor	TE Connectivity
R2	ERJT08J224V	220kΩ±5% - 1/3W Resistor	Panasonic
R3	ERJT08J221V	220Ω±5% - 1/3W Resistor	Panasonic
R4	CRG0603F15K	15kΩ±1% - 1/10W Resistor	TE Connectivity
R5	ERJ3GEYJ682V	6.8kΩ±5% - 1/10W Resistor	Panasonic
R6	ERJ3GEYJ332V	3.3kΩ±5% - 1/10W Resistor	Panasonic
R7	ERJ3GEYJ334V	330kΩ±5% - 1/10W Resistor	Panasonic
R8	ERJ3GEYJ824V	820kΩ±5% - 1/10W Resistor	Panasonic
R9	CRG0603F100K	100kΩ±1% - 1/10W Resistor	TE Connectivity
R10	CRG0603F33K	33kΩ±1% - 1/10W Resistor	TE Connectivity
C1,C2	400LLE3R3MEFC8X11R5	3.3μF - Electrolytic capacitor 400V	Rubycon
C3	C3216C0G2J221J060AA	220pF - Capacitor 630V	TDK
C4	50YK10MEFCTA5X11	10μF - Electrolytic capacitor 50V	Rubycon
C5	GRM188R71H104KA93D	100nF - Capacitor 50V	Murata
C6	GRM188R71H153KA01D	15nF - Capacitor 50V	Murata
C7	GRM1885C1H222FA01D	2.2nF - Capacitor 50V	Murata
C8	16ZLH470MEFC8X11.5	470μF - Electrolytic capacitor 16V	Rubycon
C9	EEUEB1A101	100μF - Electrolytic capacitor 10V	Panasonic
C10	VJ0603Y472KNAAO	4.7nF - Capacitor 50V	Vishay
C11	DE2E3KY222MA2BM01	2.2nF - Capacitor Y2	Murata
D1	STTH1L06A	Ultrafast diode 1A – 600V	STMicroelectronics
D2	STPS2L60A	Power Schottky 2A – 60V	STMicroelectronics
D3	BAT46ZFILM	Signal Schottky 0.15A – 100V	STMicroelectronics
D4	MMSZ5248B-V-GS08	Zener diode 18V 0.5W	Vishay
T1	1921.0041	Flyback transformer	Magnetica
	750370423 Rev. 6A		Würth
IC1	VIPer06HN	Offline primary controller	STMicroelectronics
IC2	TS432ILT	Low voltage adjustable shunt reference	STMicroelectronics
IC3	SFH6106-2T	Optocoupler	Vishay
L1	LPS4414	1mH - Power inductor	Coilcraft
L2	LPS3008	4.7μH - Power inductor	Coilcraft
L3	ME3220	4.7μH - Power inductor	Coilcraft