

**STEVAL-ISA135V1 Bill of material (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	CRG0603F22K	22kΩ±1% - 1/10W Resistor	TE Connectivity
R5	ERJ3GEYJ271V	270Ω±5% - 1/10W Resistor	Panasonic
R6	ERJ3GEYJ123V	12kΩ±5% - 1/10W Resistor	Panasonic
R7	CRCW06031M80FKEA	1.8MΩ±1% - 1/10W Resistor (N.C.)	Vishay
R8	CRCW06031M00FKEA	1MΩ±1% - 1/10W Resistor	Vishay
R9	ERA3AEB1543V	154kΩ±0.1% - 1/10W Resistor	Panasonic
R10	ERA3AEB1782V	17.8kΩ±0.1% - 1/10W Resistor	Panasonic
C1,C2	400AX4.7M8X9	4.7μF - Electrolytic capacitor 400V	Rubycon
C3	C3216C0G2J221J060AA	220pF - Capacitor 630V	TDK
C4	50YK10MEFCTA5X11	10μF - Electrolytic capacitor 50V	Rubycon
C5	GRM188R71H104JA93D	100nF - Capacitor 50V	Murata
C6	VJ0603Y102KNAAO	1nF - Capacitor 50V	Vishay
C7	VJ0603Y222KNAAO	2.2nF - Capacitor 50V	Vishay
C8	25ZL220MEFC8X11.5	220μF - Electrolytic capacitor 25V	Rubycon
C9	25ZL47MEFC5X11	47μF - Electrolytic capacitor 25V	Rubycon
C10	VJ0603Y103KNAAO	10nF - Capacitor 50V	Vishay
C11	DE2E3KY222MA2BM01	2.2nF - Capacitor Y2	Murata
D1	STTH1L06A	Ultrafast diode 1A – 600V	STMicroelectronics
D2	STPS1H100A	Power Schottky 1A – 100V	STMicroelectronics
D3	BAT46ZFILM	Signal Schottky 0.15A – 100V	STMicroelectronics
D4	MMSZ5248B-V-GS08	Zener diode 18V 0.5W	Vishay
T1	1921.0039	Flyback transformer	Magnetica
	7508110341 Rev. 6A		Würth
IC1	VIPer06HS	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