

STEVAL-ISA180V1

BILL OF MATERIALS

Reference	Manufacturer	Part Number	Description	Package Information
BR	Taiwan Semiconductor	RMB6S	0.5A-600V bridge	MBS
R1	TE connectivity	ROX1SJ10R	10 ohm \pm 5% - 1W	
R2	Panasonic	ERJP08F2203V	220 kohm \pm 1% - 0.66 W resistor	1206
R3			0.33W resistor (not mounted)	1206
R5			0.1W resistor (not mounted)	0603
R6	Panasonic	ERJ3GEYJ153V	15 kohm \pm 5% - 0.1 W resistor	0603
R7	Panasonic	ERJ3GEYJ563V	56 kohm \pm 5% - 0.1 W resistor	0603
R8	Panasonic	ERJ3GEYJ474V	470 kohm \pm 5% - 0.1 W resistor	0603
R9	Vishay	CRCW0603100KFKEA	100 kohm \pm 1% - 0.1 W resistor	0603
R10	Vishay	CRCW060311K5FKEA	11.5 kohm \pm 1% - 0.1 W resistor	0603
C1	Rubycon	400BXC6R8MEFC10X16	6.8uF - 400 V electr. cap.	\varnothing 10mm - p 5mm - h 16mm
C2	Rubycon	400BXC6R8MEFC10X16	6.8uF - 400 V electr. cap.	\varnothing 10mm - p 5mm - h 16mm
C3	Murata	GRM31A7U2J102JW31D	1nF \pm 5% - 630V ceramic multilayer capacitor	1206
C4	TDK	C2012X5R1V106K085AC	ceramic capacitor 10uF \pm 10% - 35V	0805
C5	Murata	GRM188R71H104KA93D	100nF - 50V ceramic multilayer capacitor	0603
C6			ceramic multilayer capacitor (not mounted)	0603
C7	TDK	C1608C0G1H102J080AA	1nF - 50V ceramic multilayer capacitor	0603
C8	Rubycon	16ZLH470MEFC8X11.5	470uF-16V radial elcap, ZLH series	\varnothing 8 mm - p3.5 mm
C9	Panasonic	EEUEB1A101	100 μ F \pm 20% - 10V radial elcap	\varnothing 5 mm - p2mm
C10	Murata	GRM188R71H223KA01D	22nF - 50V ceramic multilayer capacitor	0603
C11	Murata	DE2E3KY222MA2BM01	2.2nF \pm 20% - 250Vac Y2 capacitor	
D1	ON Semiconductor	MRA4007T3G	1A-1000V Power rectifier diode	DO-214AC, SMA
D2	STMicroelectronics	STPS2H100A	Power Schottky 2A-100V	DO-214AC
D3	STMicroelectronics	BAT46ZFILM	Signal schottky 0.15A-100V	SOD-123
D4			zener diode (not mounted)	SOD-123
T1	Würth	750315363r00	Flyback transformer	
IC1	STMicroelectronics	VIPer0PLD	Switching controller	SO16N
IC2	STMicroelectronics	TS432ILT	Low voltage adjustable shunt reference	SOT23-3
IC3	Vishay	SFH6106-2T	Optocoupler	SMD
L1	Epcos	B82144A2105J	1mH \pm 5% axial (Icc = 200mA, Rcc = 3,8 Ω)	Axial
L2	Coilcraft	LPS3008-472ML	4.7uH	LPS3008
L3	Coilcraft	ME3220-472ML	4.7uH	ME3220
IN	TE connectivity	282837-2	2 ways Output connector	
OUT	TE connectivity	282837-2	2 ways Output connector	