

STEVAL-ISA010V1 BOM

Ref.	Part type / value	Description	Size	Mounting	Manufacturer	Applicable Supplier	Order code
R1	22R/2W	resistor	2W/ TH	TH		GME	114-044
R2	330k/5%/0.25W	chip resistor	1206	SMD			
R3	24k/1%/0.1W	chip resistor	0805	SMD			
R4	9k1/1%/0.1W	chip resistor	0805	SMD			
R5	330k/5%/0.25W	chip resistor	1206	SMD			
R6	330k/5%/0.25W	chip resistor	1206	SMD			
R7	N.A.	chip resistor	0805	SMD			
R8	330k/5%/0.25W	chip resistor	1206	SMD			
R9	1k/5%/0.1W	chip resistor	0805	SMD			
C1	150n/305VAC/X2	Foil capacitor	18 x 6 x RM15	TH	Epcos - B32922C3154M	DOE	
C2	150n/305VAC/X2	Foil capacitor	18 x 6 x RM15	TH	Epcos - B32922C3154M	DOE	
C3	10uF/450V	Aluminium capacitor	R12.5 RM 10	TH			
C4	10uF/450V	Aluminium capacitor	R12.5 RM 10	TH			
C5	220uF/25V	Aluminium capacitor	R8 RM 3.8	TH			
C6	10uF/35V	Aluminium capacitor	R5 RM2.5	TH			
C7	1n8/50V	chip capacitor	0805	SMD			
C8	100n/50V	chip capacitor	0805	SMD			
C9	10uF/35V	Aluminium capacitor	R5 RM2.5	TH			
L1	2.2mH/80mA	inductor		TH		GME	611-016
L2	1mH/300mA	inductor		TH		Farnell	517-896
D1	1N4148	silicon diode	SOD80	SMD			
D2	STTH108	ultrafast diode	SMA	SMD	ST		
D3	1N4007	silicon diode 1A/1kV	Melf / SMA	SMD			
D4	1N4007	silicon diode 1A/1kV	Melf / SMA	SMD			
D5	STTH108	ultrafast diode	SMA	SMD	ST		
D6	15V	zener diode	SOD80	SMD			
U1	Viper16L	Converter	DIP 7	TH	ST		
U2	L78L05	Regulator	SOT89	SMD	ST		
J1	Screw terminal 2pos	ARK 210/2		TH		GME	821-083
J2	Screw terminal 3pos	ARK 210/3		TH		GME	821-084
4 x	M3 / 6 - Screw					GME	662-005
4 x	M3 Distance plastic					GME	623-071