

STEVAL-ISA116V1

name	value	description	RS code	note	package	manufacturer
IN		2-way vertical std PCB screw terminal,5mm	494-8906	pitch:5mm; low profile:7.5mm	through hole	
OUT		3-way vertical std PCB screw terminal,5mm	494-8912	pitch:5mm; low profile:7.5mm	through hole	
Cin	100nF, X2	series B32922	824-294	5mmx11mmx13mm; pitch: 10mm	through hole	ARCOTRONICS
C1, C2	10uF, 450V	electrolytic capacitor	365-4830	diameter:12.5mm, pitch:5mm	through hole	Panasonic
C3	1uF, 35V	electrolytic capacitor			SMD (0603)	
C4	100nF, 50V	ceramic capacitor			SMD (0603)	
C5	n.c.	ceramic capacitor			SMD (0603)	
C6	n.c.	ceramic capacitor			SMD (0603)	
C7	1.5nF, 50V	ceramic capacitor			SMD (0603)	
C8	100nF, 50V	ceramic capacitor			SMD (0603)	
C9	330uF, 25V	electrolytic capacitor ultra-low ESR		diam. = 8mm, pitch = 3.5mm, h = 16mm	through hole	serie ZL RUBYCON
C10	100nF, 50V	ceramic capacitor	211-5378	5mmx6.5mmx2.5mm, pitch: 5mm	through hole	EPCOS
R1	22ohm	1 W resistor	572-823	ERJB1AJ220U	SMD (case 2010)	PANASONIC
R3	1k	1/4W resistor, 1%			SMD (0603)	
R4a	12kohm	1/4W resistor, 1%			SMD (0805)	
R4b	0 ohm	1/4W resistor, 1%			SMD (0805)	
R5a	47kohm	1/4W resistor, 1%			SMD (0805)	
R5b	0 ohm	1/4W resistor,1%			SMD (0805)	
R6	15kohm	1/4W resistor,1%			SMD (0805)	
D1, D2	GL1M	1000V/ 1A diode			SMD	SEMIKRON
D3, D4	STTH1L06	ultra-fast 600V diode			SMD (SMB pack)	ST
D5	18V zener	n.c.			through hole	
D6	LL4148	diode			SMD	VISHAY
L1	1mH	axial inductor	191-0712		through hole	EPCOS
L2	0.82mH	power inductor		MSS1260-824KL_	SMD	COILCRAFT
IC1	VIPer26L	controlled switch			SMD (SO16N)	ST
IC2	L78L05	voltage regulator			through hole (TO-92)	ST