

PROJECT NAME: STEVAL-ISA174V1

BILL OF MATERIALS

Item	Quantity	Reference	Part / Value	Voltage / Watt / Ampere	Type / TECHNOLOGY informations	Tolerance	Package	Manufacturer	Manufacturer's ordering code / Orderable Part Number
1	1	R1	22 Ohm	1 W	flameproof		Ø3m - p9mm	TE Connectivity	ROX1SJ22R
2	1	R2	220 Kohm	0.33 W - 200 V	Resistor	5%	1206	Panasonic	ERJ-P08J224V
3	1	R3	10 KOhm	0.2W	Resistor	1%	0603	Panasonic	ERJP03F1002V
4	1	R4	3.3 KOhm	0.2W	Resistor	1%	0603	Panasonic	ERJP03F3301V
5	1	R5	82 Kohm	0.2W	Resistor	1%	0603	Panasonic	ERJP03F8202V
6	1	R6	not mounted	-	-	-	0603	-	-
7	2	C1, C2	15 uF	400 V	Elcap		Ø10mm - p5mm - h18mm	Nichicon	UVC2G150MPD
8	1	C3	1 nF	630 V	MLCC capacitor		1206	TDK	C3216C0G2J102JT
9	1	C4	100 pF	50 V	MLCC capacitor		0603	Murata	GRM1885C1H101JA01D
10	1	C5	10 uF	25 V	MLCC capacitor		0805	TDK	C2012X5R1E106K125AB
11	1	C6	1 nF	50 V	MLCC capacitor		0603	TDK	C1608C0G1H102J080AA
12	1	C7	100 nF	16V	MLCC capacitor		0603	Kemet	C0603C104K4RACTU
13	1	C8	470 uF	16V	Elcap		TH 8X11.5	Rubycon	16ZLJ470M8X11.5
14	1	C9	470 uF	16V	Elcap		TH 8X16	Rubycon	16ZLK470M8X16
15	2	C10, C12	1 uF	25V	MLCC capacitor		0603	Murata	GRM188C81E105KAADD
16	1	C11	100 uF	16V	Elcap		TH 6.3x11	Rubycon	16YXF100M6.3X11
17	3	C15, C16, C17	220 pF	50V	MLCC capacitor		0603	Kemet	C0805C221J5GACTU
18	3	D1, D2, D6	1A	1000V	Power rectifier diode		SMA	ON Semiconductor	MRA4007T3G
19	1	D3	0.2A	100V	Signal schottky		SOD-123	STMicroelectronics	BAT41ZFILM
20	1	D4	1A	60V	Power schottky		SMA	STMicroelectronics	STPS1L60A
21	1	D5	2A	60V	Power schottky		SMA	STMicroelectronics	STPS2L60A
22	2	L1, L2	1 mH		Axial inductor		TH	Epcos	B82144A2105J
23	1	L3	3.3 uH		SMD inductor		(4x4x1.8) mm	Wurth	74404042033
24	1	IC1	VIPer0PL		Power Switch		SO-16	STMicroelectronics	
25	2	ON, OFF			Tactile button			Omron	B3S-1000
26	1	TF			Flyback Transformer		E16	Wurth Elektronik	750314288
27	1	CONN.			Micro connector 4 ways			TE Connectivity	680-5129
28	1	IN			2 ways connector		TH	TE Connectivity	282837-2
29	2	OUT			3 ways connector		TH	TE Connectivity	282836-3