

STEVAL-ISA037V1 - bill of material

Qty	Reference	Description	Package
Capacitors			
2	C1, C2	Electrolytic Capacitor 1800μF 16V	Radial 10 x 25mm
7	C3 to C9	Not Mounted	na
1	C10	MLCC, 100nF, 16V, X7R	SMD0603
3	C11 to C13	MLCC, 4.7μF, 16V, X7R	SMD1206
2	C14, C38	MLCC, 1μF, 16V, X7R	SMD0805
13	C16, C17, C21, C22, C25, C26, C27, C28, C29, C30, C34	Not Mounted	na
2	C15, C19	MLCC, 10μF, 16V, X5R	SMD1206
2	C18, C20	Electrolytic Capacitor 2200μF 6.3V	Radial 10 x 20mm
1	C23	MLCC, 6.8nF, X7R	SMD0603
1	C24	MLCC, 33nF, X7R	
1	C35	MLCC, 68pF, X7R	
2	C36, C37	Not Mounted	na
Resistors			
4	R1, R2, R20, R17	Resistor, 3R3, 1/16W, 1%	SMD0603
4	R3, R5, R11, R16	Resistor, 0R, 1/8W, 1%	SMD0805
1	R4	Resistor, 1R8, 1/8W, 1%	
5	R10, R12, R14, R15, R21	Not Mounted	na
2	R6, R9	Resistor, 2K2, 1/16W, 1%	SMD0603
2	R8, R13	Resistor, 3K9, 1/16W, 1%	
1	R7	Resistor, 18K, 1/16W, 1%	
1	R19	Resistor, 22K, 1/16W, 1%	
1	R18	Resistor, 20K, 1/16W, 1%	
Inductor			
1	L1	Inductor, 1.25μH, T60-18, 6Turns, 2xAWG18	na
Active Components			
1	D1	Diode, 1N4148	SOT23
3	Q1 to Q4	Not Mounted	na
1	Q5	STD70NH02L	DPAK
1	Q6	STD80NH02L	
1	U1	Controller, L6728	DFN10, 3x3mm

