

ETML-ES				Bill of materials						
Name of project :		Alarme pour fenêtre ouverte			Author :	Miguel Santos		PCB :	A	
N° of project :		2228			Date :	13.06.2023		Version :	1.0	
Description	Designator	Value	Quantity	Manufacturer 1	Manufacturer Part Number 1	Supplier 1	Supplier Part Number 1	In stock	Price U.	Price total
	B2A		1	Keystone Electronics	2469	Digi-Key	36-2469-ND	No	1,20 CHF	1,20 CHF
Test Point, 1 Position SMD, RoHS, Tape and Reel	GND1, GND2, VCC, VIN, VMUL, VSEC, VSTOR		7	Keystone Electronics	5019	Digi-Key	36-5019CT-ND	Yes		
Low power energy harvester	U1		1	Texas Instruments	BQ25505RGRR	Digi-Key	296-37078-1-ND	No	4,21 CHF	4,21 CHF
	U5		1	Texas Instruments	DRV5032FBDBZR	Digi-Key	296-47323-1-ND	No	0,60 CHF	0,60 CHF
	U4		1	Texas Instruments	TPS613221ADBVT	Digi-Key	296-49467-1-ND	No	1,05 CHF	1,05 CHF
Polarized SuperCapacitor (Radial)	B1	2F	1	Cornell Dubilier	DSF205Q3R0	Digi-Key	338-DSF205Q3R0-ND	No	1,20 CHF	1,20 CHF
	M1		1	Radial Magnet	8189	Digi-Key	469-1059-ND	No	0,21 CHF	0,21 CHF
Capacitor	C8	22µF	1	Murata	GRM21BZ71A226ME15 L	Digi-Key	490-GRM21BZ71A226ME15 LCT-ND	No	0,36 CHF	0,36 CHF
	R4	3.6M	1	Vishay	CRCW08053M60FKEA	Digi-Key	541-3.60MCCT-ND	Yes		
	R2, R3	5.1M	2	Vishay	CRCW08055M10FKEA	Digi-Key	541-5.10MCCT-ND	Yes		
	R1	8.2M	1	Vishay	CRCW08058M20FKEA	Digi-Key	541-8.20MCCT-ND	Yes		
	R6	100k	1	Vishay	CRCW0805100KFKEB	Digi-Key	541-4318-1-ND	Yes		
	X2, X3, X4, X5		4	Würth Electronics	61300421121	Mouser	710-61300421121	No	1,78 CHF	7,12 CHF
	X1		1	Würth Electronics	61300211121	Digi-Key	732-5315-ND	Yes		
Capacitor	C3, C6	10nF	2	Würth Electronics	8,85012E+11	Digi-Key	732-7579-1-ND	No	0,37 CHF	0,74 CHF
Capacitor	C1, C5, C7	4.7µF	3	Würth Electronics	8,85012E+11	Digi-Key	732-7666-1-ND	No	1,11 CHF	3,33 CHF
Capacitor	C2, C4, C9	100nF	3	Würth Electronics	8,85012E+11	Digi-Key	732-8026-1-ND	Yes		
Inductor SMD	L1	22µH	1	Würth Electronics	74406043220	Digi-Key	732-10821-1-ND	No	0,96 CHF	0,96 CHF
Multicell Battery	B2		1	Würth Electronics	6,91211E+11	Digi-Key	732-691210910002-ND	No	1,06 CHF	1,06 CHF
Inductor SMD	L2	2.2µH	1	Walsin Technologies	WLP201610M2R2PP	Mouser	791-WLP201610M2R2PP	No	0,10 CHF	0,10 CHF
	U6		1	Nordic Semiconductor	NRF52840-DONGLE	Digi-Key	1490-1073-ND	No	8,99 CHF	8,99 CHF
	PCB0		1	Eurocircuits	2228_Emetteur_PCB0	Eurocircuits	2228_Emetteur_PCB0	No	15,00 CHF	15,00 CHF
AnySolar KXOB25-05X3F	S1		1	ANYSOLAR	KXOB25-03X4F-TR	Digi-Key	2994-KXOB25-03X4F-TRCT-ND	No	2,85 CHF	2,85 CHF
	U2, U3		2	Diodes	DMP3085LSD-13	Digi-Key	DMP3085LSD-13DICT-ND	No	0,69 CHF	1,38 CHF
	R5	3.3M	1	Rohm	KTR10EZPF3304	Digi-Key	RHM3.30MAHCT-ND	Yes		
MOSFET P-CH 20V 0.1A VMT3	Q1		1	Rohm	RZM001P02T2L	Digi-Key	RZM001P02T2LCT-ND	No	0,24 CHF	0,24 CHF
Total									50,60 CHF	