

Annexe G

BOM Cost		PROJET:	2409_MesureTH_RefrigerateurCongelateur_V1.PrjPcb							ETML-ES <small>Rue de Sébeillon 12 1004 Lausanne</small>	
Date:	28.08.2024	Variante:	None							Quantité de production (nb PCBs) : 1	
Par:	MPT	Source:	2409_MesureTH_RefrigerateurCongelateur_V1.BomDoc							Devise : CHF	
Line #	Designator	Value	Name	Manufacturer 1	Manufacturer Part Number 1	Quantity	Supplier 1	Supplier Part Number 1	Supplier Order Qty 1	Supplier Unit Price 1	Supplier Subtotal 1
	C17		0.1uF / 10V	Kyocera AVX	0805ZC104JAT2A	1	Mouser	581-0805ZC104JAT2A	1	0.2062	0.21
	C12		1 µF / 10V	Kyocera AVX	0805ZC105KAZ2A	1	Digikey	478-3557-1-ND	1	0.5121	0.51
	C16		1µF / 10V	Kyocera AVX	0805ZC105KAZ2A	1	Digikey	478-3557-1-ND	1	0.5121	0.51
	C20, C21, C23, C24, C25, C28, C29, C30, C31		1uF / 50V	Vishay Vitramon	VJ0805Y104KFAAT	9	Mouser	77-VJ0805Y104KFAAT	10	0.2977	2.98
	C27		1uF/50V	Kyocera AVX	08055C105JAT2A	1	Mouser	581-08055C105JAT2A	1	1.0300	1.03
	R12		3	Vishay Dale	RCS08053R00FKEA	1	Digikey	541-10538-1-ND	1	0.2193	0.22
	L1		3.9uF	TDK EPCOS	B82432T1392K000	1	Digikey	495-B82432T1392K000CT-ND	1	0.7337	0.73
	C9, C14		4.7 µF / 10V	KEMET	C0805C475K8RAC7210	2	Mouser	80-C0805C475K8R7210	2	0.2614	0.52
	C22, C26		4.7uF/50V	Kyocera AVX	08055C474KAT4A	2	Mouser	581-08055C474KAT4A	2	0.3879	0.78
	R5		5.1k	Yageo	RC0805FR-075K1L	1	Digikey	311-5.10KCRCT-ND	1	0.0843	0.08
	C13		10 nF / 10 V	Kyocera AVX	0805ZC103MAT2A	1	Mouser	581-0805ZC103MAT2A	1	0.2193	0.22
	C18		10µF / 10V	Kyocera AVX	0805ZD106MAT4A	1	Digikey	478-KGM21AR51A106MLCT-ND	1	0.3795	0.38
	C2		10µF / 25V	KEMET	C0805C106M3PAC7210	1	Mouser	80-C0805C106M3PACLR	1	0.3542	0.35
	R6, R8, R9, R10		10k	Yageo	RC0805FR-0710KL	4	Distrelec	30213971	4	0.0097	0.04
	R11		10k	Yageo	RC0805FR-0710KL	1	Distrelec	30213971	1	0.0097	0.01
	R3		18k	Yageo	RC0805FR-0718K2L	1	Digikey	311-18.2KCRCT-ND	1	0.0843	0.08
	C3, C4		22µF / 25V	Vishay Vitramon	VJ0805Y224KXXMT	2	Mouser	77-VJ0805Y224KXXMT	2	0.3879	0.78
	C7, C8		22pF / 10 V	Kyocera AVX	0805ZA220JAT2A	2	Mouser	581-0805ZA220JAT2A	2	0.1855	0.37
	R1, R2		51k	Yageo	RC0805JR-0751KL	2	Newark	49AK3520	2	0.0042	0.01
	C10, C11, C15		100 nF / 10 V	Kyocera AVX	0805ZC104JAZ2A	3	Mouser	581-0805ZC104JAZ2A	3	0.2867	0.86
	R4		100k	Yageo	RC0805FR-07100KL	1	Digikey	311-100KCRCT-ND	1	0.0843	0.08
	C1, C6, C19		100nF / 10V	Kyocera AVX	0805ZC104JAT2A	3	Mouser	581-0805ZC104JAT2A	3	0.2062	0.62
	C5		100nF / 50 V	Kyocera AVX	08055C104M4T4A	1	Mouser	581-08055C104M4T4A	1	0.2024	0.20
	R7		750	Panasonic	ERA-6AEB751V	1	Digikey	P750DACT-ND	1	0.1096	0.11
	J6		68712414022	Würth Electronics	68712414022	1	Digikey	732-3515-1-ND	1	1.2300	1.23
	SW1, SW2, SW3		434121050836	Würth Electronics	434121050836	3	Digikey	732-7049-1-ND	3	0.3458	1.04
	J1		691210910002	Würth Electronics	691210910002	1	Mouser	710-691210910002	1	0.8518	0.85
	J4		691210910004	Würth Electronics	691210910004	1	Digikey	732-691210910004-ND	1	1.6400	1.64
	Y1		ABLS-8.000MHZ-B2-T	Abracon	ABLS-8.000MHZ-B2-T	1	Digikey	535-9089-1-ND	1	0.2361	0.24
	U1		AP63203WU-7	Diodes	AP63203WU-7	1	Mouser	621-AP63203WU-7	1	0.7337	0.73

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	D1		BAT60AE6327HTSA1	Infineon	BAT60AE6327HTSA1	1	Newark	85X4127	1	0.0911	0.09
	Q2		BSS138	ON Semiconductor / Fairchild	BSS138	1	Mouser	512-BSS138	1	0.2277	0.23
	P1		Embrase 4 pins	Würth Electronics	61300411121	1	Digikey	732-5317-ND	1	0.1602	0.16
	U3		ESP32-C3-WROOM-02-N4	Espressif Systems	ESP32-C3-WROOM-02-N4	1	Digikey	1965-ESP32-C3-WROOM-02-N4CT-ND	1	1.6000	1.60
	J2, J5		Jump_PAD			2					
	D2		LED RED	SunLED	XZCM2CRK54WA-1VF	1	Digikey	1497-XZCM2CRK54WA-1VFCT-ND	1	0.5229	0.52
	D3, D4, D5		MBR0530-TP	MCC	MBR0530-TP	3	Digikey	MBR0530TPMSCT-ND	3	0.1771	0.53
	L2		NRS4018T100MDGJV	Taiyo Yuden	NRS4018T100MDGJV	1	Digikey	587-3573-1-ND	1	0.2867	0.29
			PCB	Eurocircuits	2409	1	Eurocircuits	2409	1	40.0000	40.00
	Q3		SI1308EDL-T1-GE3	Vishay Siliconix	SI1308EDL-T1-GE3	1	Mouser	78-SI1308EDL-T1-GE3	1	0.3711	0.37
	Q1		SSM3J35AMFV,L3F	Toshiba	SSM3J35AMFV,L3F	1	Mouser	757-SSM3J35AMFVL3F	1	0.1771	0.18
	U2		STM32F072C8T6TR	STMicroelectronics	STM32F072C8T6TR	1	Mouser	511-STM32F072C8T6TR	1	3.4200	3.42
	TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9, TP10, TP11, TP12.		Test_Point_SMD	Keystone Electronics	5019	13	Newark	59Y8500	13	0.2724	3.54
											CHF 68.35
Approved Notes											