

## Sheet1

Name	Value	Case	Article number	Distributor	Price	Notes
C1	100µF	ELKO 8x3,5	RAD FR 100/50	Reichelt	0,32 €	
C2	10µF	1210	81-GRM32EC72A106KE5K	Mouser	1,02 €	
C3	2,2µF	1210	81-GRM32DR72A225KA2L	Mouser	0,99 €	10µF if 12V out DCDC is used
C4	10µF	1210	81-GRM32EC72A106KE5K	Mouser	1,02 €	
C5	100µF	ELKO 8x3,5	RAD FR 100/50	Reichelt	0,32 €	
C6	10µF	ELKO 6x2,54	EB-A 10U 63	Reichelt	0,30 €	
C7	100nF	0805	KEM X7R0805 100N	Reichelt	0,02 €	Optional part for external voltage reference
C8	100nF	0805	KEM X7R0805 100N	Reichelt	0,02 €	Optional part for external voltage reference
C9	100nF	0805	KEM X7R0805 100N	Reichelt	0,02 €	
C10	100nF	0805	KEM X7R0805 100N	Reichelt	0,02 €	
C11	10nF	0805	KEM X7R0805 100N	Reichelt	0,02 €	
C12	100nF	0805	KEM X7R0805 10N	Reichelt	0,02 €	For Q1
C13	100nF	0805	KEM X7R0805 100N	Reichelt	0,02 €	For Q2/Q3
IC1	R-78E5.0-1.0	R78E	R-78E50-10	Reichelt	4,30 €	May be changed to 12V DCDC depending on OCXO voltage
IC2	REF02BU	SO8	595-REF02BU/2K5	Mouser	7,09 €	Optional part for external voltage reference
K1	Molex 22-17-3102	22-17-3102	538-22-17-3102	Mouser	1,88 €	
K2	Stiftleiste_2x04_G_2,54	2x04	MPE 087-2-008	Reichelt	0,21 €	
L1	68µH	07HCP	L-07HCP 68µ	Reichelt	0,60 €	100µH if 12V out DCDC is used
Q1	OCXO_36,1X27,2	CRYSTAL 36,1X27,2		Aliexpress	22,00 €	AOCJY4, 970-2178-46, 1960017 or equivalent
Q2	OCXO_25,4X25,4	CRYSTAL 25,4X25,4		Aliexpress	0,00 €	AOCJY3, ENE3311B, OSC5A2B02 or equivalent
Q3	OCXO_DIP	CRYSTAL DIP14		-	0,00 €	OCXOVT-BV5 or equivalent
R1	10R	0207	METALL 10,0	Reichelt	0,11 €	
R2	10K	3296Y	BOU 3296Y-1-504	Reichelt	1,75 €	
PCB				Aisler	6,87 €	
					48,92 €	