

Supplier	Nbr.	Supplier's Number	Manufacturer	Description	unit price	total price	ordered
Bill of Material - Telemetry System					Last update : 13.06.2023		
Passive components							
Mouser	9	80-C603C104K5RAC3121	KEMET	Capacitor 1608 - 100 nF	0,07	0,63 CHF	from stock
Mouser	2	80-CBR06C220J5GAUTO	KEMET	Capacitor 1608 - 22 pF	0,14	0,28 CHF	from stock
Mouser	2	80-CBR06C101J5GAUTO	KEMET	Capacitor 1608 - 100 pF	0,46	0,92 CHF	from stock
Mouser	1	80-C0603X472K5GAUTO	KEMET	Capacitor 1608 - 4.7 nF	0,40	0,40 CHF	from stock
Mouser	1	810-C1005X7R1H103KBE	TDK	Capacitor 1005 - 10 nF	0,14	0,14 CHF	from stock
Mouser	1	810-C1005C0G1H470G	TDK	Capacitor 1005 - 47 pF	0,35	0,35 CHF	from stock
Mouser	2	80-C1206C106Z4VACTU	KEMET	Capacitor 3216 - 10 uF	0,41	0,82 CHF	from stock
Mouser	1	71-TNPW060310R0DEEA	Vishay	Resistor 1608 - 10 Ohm	0,44	0,44 CHF	from stock
Mouser	1	71-TNPW0603100KBEEA	Vishay	Resistor 1608 - 100 kOhm	0,50	0,50 CHF	from stock
Mouser	4	71-CRCW0603-120-E3	Vishay	Resistor 1608 - 120 Ohm	0,09	0,36 CHF	from stock
Mouser	1	871-B82793C104N201	EPCOS/TDK	Common mode choke	2,07	2,07 CHF	15.06.2023
Mouser	1	495-TCK-141	TRACO Power	EMC Choke	6,23	6,23 CHF	15.06.2023
Mouser	1	994-0402DC-27NXGRW	Coilcraft	RF Inductor, Wirewound, 1005 - 27 nH	1,41	1,41 CHF	15.06.2023
Mouser	1	581-CX3225SB16D0FLJ	Kyocera	Quartz 16 MHz	1,17	1,17 CHF	15.06.2023
Digikey	1	497-13262-1-ND	STMicroelectronics	Automotive dual-line TVS diode	0,41	0,41 CHF	15.06.2023
Integrated Circuits							
Digikey	1	296-23759-6-ND	Texas Instruments	6 channels bidirectionnal level shifter	1,50	1,50 CHF	15.06.2023
Digikey	2	296-21929-1-ND	Texas Instruments	4 channels bidirectionnal level shifter	1,03	2,06 CHF	15.06.2023
Mouser	1	781-SI1016X-T1-GE3	Vishay	Complementary N- and P-Channel 20 V (D-S) MOSFET	0,42	0,42 CHF	15.06.2023
Mouser	1	579-MCP2515-I/ML	Microchip	Stand-Alone CAN Controller with SPI Interface	2,50	2,50 CHF	15.06.2023
Mouser	1	595-SN65HVD232D	Texas Instruments	CAN Interface IC 3.3-V CAN TRANSCEIVER	2,97	2,97 CHF	15.06.2023
Mouser	1	495-TSR-1-2433	TRACO Power	Non-Isolated DC/DC Converters 3.3v	5,75	5,75 CHF	15.06.2023
Mouser	1	377-MAX-M10S-00B	Ublox	Standard precision GNSS module	20,67	20,67 CHF	15.06.2023
Mouser	1	595-SN74LVC2G07DCKR	Texas Instruments	Buffers & Line Drivers Dual w/ Open-Drain	0,43	0,43 CHF	15.06.2023

Connectors							
Mouser	1	538-22-05-7048	Molex	Headers & Wire Housings 4C RA F/L HEADER	1,17	1,17 CHF	from stock
Mouser	1	538-22-27-2041	Molex	Headers & Wire Housings 4 POS HEADER	0,39	0,39 CHF	from stock
Mouser	1	538-43045-0200	Molex	Headers & Wire Housings 2 CKT R/A HEADER	1,10	1,10 CHF	from stock
Mouser	1	538-73251-1150	Molex	SMA connector	4,10	4,10 CHF	15.06.2023
Mouser	1	640-MEM20510019500A	GCT	Memory Card Connectors Micro SD	1,12	1,12 CHF	15.06.2023
Digikey	2	A132510-ND	TE Connectivity	CONN D-SUB PLUG 9POS R/A SLDR	1,92	3,84 CHF	from stock
Miscellaneous							
Digikey	1	1568-1504-ND	Sparkfun	USB UART Serial breakout	14,85	14,85 CHF	15.06.2023
Mouser	1	949-NRF7002-DK	Nordic Semi	nRF-7002 DK	57,44	57,44 CHF	02.06.2023
Mouser	1	377-ANN-MB-00	Ublox	Antennas Multi-band active GNSS antenna - SMA	55,84	55,84 CHF	15.06.2023
Digitec	1	23079748	Asus	Wifi Router - Asus RT-AX86U Pro	247,00	247,00 CHF	15.06.2023
Distrelec	1	301-27-198	EAO	Light button	18,95	18,95 CHF	29.06.2023
Distrelec	1	302-20-253	Taoglas	Dual Band wifi antenna	15,64	15,64 CHF	15.06.2023
Digikey	1	ADP-SMAM-RPSF-G-ND	Linx Technologies	SMA to RP-SMA adapter	6,72	6,72 CHF	15.06.2023
Distrelec	1	301-31-595	Nedis	Antenna cable SMA 2m	10,29	10,29 CHF	15.06.2023
Digikey	1	490-4982-ND	Murata	Microwave Coaxial adapter	27,70	27,70 CHF	15.06.2023
PCB							
Eurocircuit	1	-	Eurocircuit	4 Layer PCB	130,00	130,00 CHF	10.01.1900

Total :

648,58 CHF