

Sheet1

Parts	Qty	Value	Device	Package	Description	MPN	OC_FARNELL	PRICE	Price
SJ1	1		JUMPER_PCB	SJ	SMD solder JUMPER	N.A.	N.A.	0,00 €	0,00 €
C1, C2, C3, C4, C5, C6, C8, C9, C10, C13, C14, C16, C17, C18, C19, C20, C21, C25, C26, C27	20	0.1µF 25V	CAPACITOR_NON_POL-0.1µF-25V(+/-10%)(2012)	C2012	Condensateur céramique multicouche	08053C104KAT2A	2280951	0,00 €	0,07 €
R1	1	100K	RESISTOR-100K(+/-1%)(2012)	R2012	Resistor	MCWR08X1003FTL	2446868	0,00 €	0,00 €
C7, C22, C23, C24	4	10µF 10V	CAPACITOR_POL-10µF-10V(+/-10%)(3216)	EIA3216	Capacitor	T491A106K010AT	2250086	0,06 €	0,23 €
C11, C15, C28, C29, C30	5	10µF 63V	CAPACITOR_POL-100µF-63V(+/-10%)(1010)	153CLV-1010	Capacitor	UUX1J101MNL1GS	1898746	0,45 €	2,25 €
R2	1	120R	RESISTOR-120R(+/-1%)(2012)	R2012	Resistor	MCWR08X1200FTL	2446878	0,00 €	0,00 €
F1	1	12A	PTCFUSE-3216(1206)	R3216	Fuse time lag	3413.0329.22	1829472	0,97 €	0,97 €
R6	1	12K	NB12L00123KBB-2012(0805)	T2012	Thermistor	NB12L00123KBB	1672292	0,14 €	0,14 €
L2, L3, L4	3	15µH 9A	SRP1265A-150M	DRA127	Power inductor 15µH 9A	SRP1265A-150M	2434073	1,20 €	3,60 €
Q1	1	16MHz	CRYSTAL-16MHZ_SMD	CRYSTAL_SMD	Crystal resonator	MCRSD16000F183000RR	2395958	0,22 €	0,22 €
R3, R4, R5	3	1K1	RESISTOR-1K1(+/-1%)(2012)	R2012	Resistor	MC0805S8F1101T5E	1635316	0,00 €	0,01 €
R7	1	1M	RESISTOR-1M(+/-1%)(2012)	R2012	Resistor	MCWR08X1004FTL	2446913	0,00 €	0,00 €
C12	1	330µF 6.3V	CAPACITOR_POL-330µF-6.3V(+/-10%)(7343)	EIA7343	Capacitor	T491D337K006AT	2313928	0,50 €	0,50 €
L1	1	330µH 1.15A	SRR1260A-331K	DRA124	Power inductor 330µH 1.15A	SRR1260A-331K	2374141	1,04 €	1,04 €
R8	1	3K	RESISTOR-3K(+/-1%)(2012)	R2012	Resistor	MC0805S8F3001T5E	1635321	0,00 €	0,00 €
Q2	1	40MHz	CRYSTAL-40MHZ_SMD	CRYSTAL_SMD	Crystal resonator	HCM49 40.000MABJ-UT	1079079	0,65 €	0,65 €
U3	1	ACS713-20A	ASC713713ELCTR-20A-T	SOIC8	Linear Current Sensor	ACS713ELCTR-20A-T	1651976	4,44 €	4,44 €
IC1	1	ATmega32M1	ATMEGA32M1-TQFP	TQFP32	ATMEL ATMEGA32M1-AU MCU 8 BITS ATMEGA 16MHZ TQFP-32	ATMEGA32M1-AU	2443180	6,18 €	6,18 €
D1	1	DA22F2100L	DIODE-DA22F2100L	SOD323	Diode	DA22F2100L	2459014	0,29 €	0,29 €
Q3, Q4, Q5, Q6, Q7, Q8	6	IRLR3636	IRLR3636	D-PAK_TO252AA	Transistor MOSFET, Canal N	IRLR3636PbF	1698302	1,89 €	11,34 €
IC2	1	LM2575	LM2575-TO263	TO263-5	SIMPLE SWITCHER 1A Step-Down Voltage Regulator	LM2575HVS-5.0/NOPB	1469170	5,04 €	5,04 €
U2	1	LS7366R	LS7366R-TS-TSSOP14	TSSOP14	32-bits quadrature counter IC with SPI	LS7366R-TS	N.A.	5,00 €	5,00 €
U4, U5, U6	3	LTC4444-5	LTC4444EMS8EPBF	SOP65P490X110N-9N	High Voltage Synchronous N-Channel MOSFET Driver	LTC4444EMS8E-5#PBF	1628762	4,17 €	12,51 €
U1	1	MCP2562	MCP2562-E/SN-SOIC	SOIC127P600X175-8N	High-Speed CAN Transceiver	MCP2562-E/SN	2362839	1,12 €	1,12 €
D2, D3, D4	3	MMDL770T1G	DIODE-MMDL770T1G	SOD323	Diode	MMDL770T1G	2317690	0,03 €	0,10 €
X1	1	Micromatch 6 (smd)	MICROMATCH-6-SMD	MICROMATCH-6SMD	Board-To-Board Connector, Micro-MaTch Series, Embase, 6voies.	188275-6	2399675	0,61 €	0,61 €
X4	1	Mini-Fit	MINI-FIT-JR-025569-NA1	5569-02	Mini-Fit Jr connector 2 way	39-29-1028	1012166	0,51 €	0,51 €
X5	1	Mini-Fit	MINI-FIT-JR-085569-NA1	5569-08	Mini-Fit Jr connector 2 way	39-29-1088	9732160	1,27 €	1,27 €
J1, J2	2	Mini50	MINI50-4CMS	34912-8040	Connecteur MOLEX de 4 Contacts Série Mini50	34912-8041	2376569	1,15 €	2,30 €
LED1	1	Red	LEDVDS1235G	VLD	Led	VLDS1235G	2494682	0,00 €	0,00 €
J3	1	XA-5C	XA-5-RIGHT_ANGLE	XA_5C	Connector JST XA 5 way	S05B-XASK-1(LF)(SN)	9492160	0,55 €	0,55 €
LED2	1	Yellow	LED-VLDY1235G	VLD	Led	VLDY1235G	2494684	0,00 €	0,00 €

