

Comment	Description	Designator	Footprint	Quantity	Manufacturer 1	Supplier 1	Supplier Order Qty 1	Supplier Part Number 1	Supplier Unit Price 1 (€)	Total Price (€)
STM32F429ZIT6	ARM Cortex-M4 32-bit MCU+FPU, 225 DMIPS, 2048 kB Flash, 256 kB Internal RAM, 11	U6	STM-LQFP144_L	1	STMICROELECTRONICS	Farnell	1	2393661	13,79	13,79
MT48LC32M8A2P-7E	256Mb PC133 SDR SDRAM, 32Mb x 8, 7.5ns, 3.3V, 0 to 70 degC, 54-Pin TSOP, Pb-Free	U5	MIC-T-P_54_N	1	MICRON	Farnell	1	2253740	9,49	9,49
S29GL256P	256Mb NOR	U2	56-Pin_Standard_TSOP	1	SPANSION	Farnell	1	2363312	7,1	7,1
TPS2552DBVT	Adjustable, Active Low, Constant-Current, Current-Limited Power-Distribution Switch,	U7, U8	DBV6_L	2	TEXAS INSTRUMENTS	Farnell	2	1694422	3,29	6,58
ZX62D-AB-SP8	USB 2.0 Standard Micro-USB Connector, Micro AB-Standard (Bottom Mount), 30 V AC	J1, J2	HIRO-ZX62D-AB-SP8_V	2	HIROSE(HRS)	Farnell	2	2300435	1,6	3,2
SOCKET FFC/FPC, ZIF, 0.5MM, 40WAY	LCD Connector	U1	HIROSE_FH125-40S-0.55H(55)	1	HIROSE(HRS)	Farnell	1	1324569	2,31	2,31
22.0 µH	SMD-Power Inductor WE-PD4, L = 22.0 µH	L1	WE-PD4-S	1	WURTH ELEKTRONIK	Farnell	1	1636118	2,16	2,16
2.20 µH	SMD-Power Inductor WE-PD4, L = 2.20 µH	L2	WE-PD4-S	1	WURTH ELEKTRONIK	Farnell	1	1636113	2,16	2,16
10K 5% 1206	10K 0.25W 5% 1206 (3216 Metric) SMD	R2, R5, R6, R7, R8	RESC1206(3216)_M	13	MULTICOMP	Farnell	100	2074545	0,0196	1,96
CAP 22uF 16V 1206(3216)	CAP 22uF 16V ±10% 1206 (3216 Metric) Thickness 1.9mm SMD	C7, C8	CAPC1206(3216)190_N	2	MULTICOMP	Farnell	5	2320923	0,312	1,56
100nF	CAP 100nF 50V ±10% 0603 (1608 Metric) Thickness 1mm SMD	C1, C2, C3, C9, C10	CAPC0603(1608)100_N	25	YAGEO (PHYCOMP)	Farnell	25	1362556	0,0519	1,2975
Jumper 1206(3216)	Jumper 1206 (3216 Metric)	R20, R21, R22, R23	RESC1206(3216)_L	5	MULTICOMP	Farnell	100	2073874	0,0128	1,28
4.7uF	CAP 4.7uF 50V ±10% 1206 (3216 Metric) Thickness 1.9mm SMD	C5, C18, C38, C39	CAPC1206(3216)190_N	5	KEMET	Farnell	5	9227938	0,254	1,27
LM27313XMF/NOPB	Boost converter	U3	DBV0005A	1	TEXAS INSTRUMENTS	Farnell	1	1564771	1,23	1,23
MBR0530T1G	Schottky Power Rectifier, 2-Pin SOD-123, Pb-Free, Tape and Reel	D1	ONSC-SOD-123-2-425-04_V	1	ON SEMICONDUCTOR	Farnell	5	1431036	0,244	1,22
MBR230LSFT1G	Schottky Power Rectifier, 2-Pin SOD-123, Pb-Free, Tape and Reel	D2	ONSC-SOD-123FL-2-498-01_V	1	ON SEMICONDUCTOR	Farnell	5	2317422	0,223	1,115
LMR10510XMFE/NOPB	Buck converter	U4	DBV0005A	1	TEXAS INSTRUMENTS	Farnell	1	2064685	1,11	1,11
1uF	CAP 1uF 16V ±10% 1206 (3216 Metric) Thickness 1.7mm SMD	C17, C33	CAPC1206(3216)170_L	2	AVX	Farnell	5	498701	0,221	1,105
Header 2	Header, 2-Pin	P2	HDR1X2	1	HARWIN	Farnell	10	1022245	0,09	0,9
150120RS75000	SMD mono-color Chip LED, WL-SMCW, Red	LED3, LED5, LED6	1206_A	3	WURTH ELEKTRONIK	Farnell	3	2322086	0,27	0,81
215K 1% 1206(3216)	215K 0.25W 1% 1206 (3216 Metric) SMD	R9	RESC1206(3216)_M	1	VISHAY DRALORIC	Farnell	50	2139619	0,016	0,8
2.2uF 16V	CAP 2.2uF 16V ±20% 1206 (3216 Metric) Thickness 1.9mm SMD	C4, C36, C37	CAPC1206(3216)190_L	3	MURATA	Farnell	10	2362125	0,0798	0,798
45K3 1% 1206(3216)	45K3 0.25W 1% 1206 (3216 Metric) SMD	R15	RESC1206(3216)_L	1	VISHAY DRALORIC	Farnell	50	2139563	0,014	0,7
HC49/4H_SMX	Surface Mount Quartz Crystal	Y1	HC49/4H_SMX	1	ABRACON	Farnell	1	2467758	0,649	0,649
150120YS75000	SMD mono-color Chip LED, WL-SMCW, Yellow	LED1, LED7	1206_A	2	WURTH ELEKTRONIK	Farnell	2	2322089	0,312	0,624
430182043816	WS-TASV SMD Tact Switch 6X6 mm	SW1	430182043816 mm	1	WURTH ELEKTRONIK	Farnell	1	2065105	0,624	0,624
130R 5% 1206(3216)	130R 0.25W 5% 1206 (3216 Metric) SMD	R28, R37, R38	RESC1206(3216)_L	3	MULTICOMP	Farnell	25	1887426	0,0243	0,6075
CAP 100pF 50V 0603(1608)	CAP 100pF 50V ±10% 0603 (1608 Metric) Thickness 1mm SMD	C6	CAPC0603(1608)100_L	1	YAGEO (PHYCOMP)	Farnell	10	722110	0,06	0,6
CAP 18pF 630V	CAP 18pF 500V ±5% 1206 (3216 Metric) Thickness 1.7mm SMD	C34, C35	CAPC1206(3216)170_L	2	MURATA	Farnell	2	2218878	0,254	0,508
5R1 1% 1206(3216)	5R1 0.25W 1% 1206 (3216 Metric) SMD	R17	RESC1206(3216)_N	1	MULTICOMP	Farnell	10	2142060	0,036	0,36
150120GS75000	SMD mono-color Chip LED, WL-SMCW, Green	LED2	1206_A	1	WURTH ELEKTRONIK	Farnell	1	2322085	0,312	0,312
150120BS75000	SMD mono-color Chip LED, WL-SMCW, Blue	LED4	1206_A	1	WURTH ELEKTRONIK	Farnell	1	2322084	0,312	0,312
402R 1% 1206(3216)	402R 0.25W 1% 1206 (3216 Metric) SMD	R24	RESC1206(3216)_L	1	PANASONIC ELECTRONIC COMPONENTS	Farnell	10	2307684	0,03	0,3
18K7 1%	18K7 0.25W 1% 1206 (3216 Metric) SMD	R29, R35	RESC1206(3216)_L	2	PANASONIC ELECTRONIC COMPONENTS	Farnell	10	2307481	0,03	0,3
BC847BW	NPN Silicon AF Transistor, 45 V VCEO, 100 mA IC, SOT323, Reel, Green	Q1	INF-SOT323_N	1	NXP	Farnell	5	1907650	0,0508	0,254
13K3 1% 1206(3216)	13K3 0.25W 1% 1206 (3216 Metric) SMD	R12	RESC1206(3216)_L	1	MULTICOMP	Farnell	10	2142242	0,024	0,24
3K32 1%	3K32 0.25W 1% 1206 (3216 Metric) SMD	R13	RESC1206(3216)_L	1	MULTICOMP	Farnell	10	2142209	0,024	0,24
86R6 1%	86R6 0.25W 1% 1206 (3216 Metric) SMD	R14	RESC1206(3216)_N	1	MULTICOMP	Farnell	10	2142130	0,024	0,24
22R 1%	22R 0.1W 1% 0603 (1608 Metric) SMD	R33, R34	RESC0603(1608)_M	2	VISHAY DRALORIC	Farnell	10	2139280	0,0173	0,173
Ferrite	SMD EMI Suppression Ferrite Bead WE-CBF, Z = 600 Ohm	L3	SMD-0603	1	WURTH ELEKTRONIK	Farnell	1	1635706	0,166	0,166
Header 3	Header, 3-Pin	P1, P3	HDR1X3	2	MOLEX	Farnell	2	1444318	0,075	0,15
100K 1% 1206(3216)	100K 0.25W 1% 1206 (3216 Metric) SMD	R1, R16	RESC1206(3216)_L	2	MULTICOMP	Farnell	10	2447453	0,005	0,05
330R 5% 1206(3216)	330R 0.25W 5% 1206 (3216 Metric) SMD	R26, R31	RESC1206(3216)_M	2	MULTICOMP	Farnell	10	2447504	0,0045	0,045

Total	70,7 €
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