

Item #	Designator	Comment	Footprint	#Column Name Error:Ma nufacture r	Description	S.Description	Manufacturer 1	Manufacturer Part Number 1	Supplier 1		Supplier Stock 1	Supplier Part Number 1	Divi der	Qua	Suppli		Price	Adjus	Item #
1	C1	22pF	0603_cap		CAPACITOR	Multilayer Ceramic Capacitors MLCC - SMD/SMT 0603 22pF 5volts COG 5%	Murata Electronics	GRM1885C1H220JA01D	Mouser	EUR	210127	81-GRM39C220J50	1	1	25	25	€0.03	€0.75	1
2	C11	0.011F	SUPERCAP PAS3225P3R3113			Supercapacitors / Ultracapacitors SUPER CAP 3.3V 0.01F	Taiyo Yuden	PAS3225P3R3113	Mouser	EUR	6237	963-PAS3225P3R3113	1	1	25	25	€1.60	€40.00	2
3	C14	10uF/MLCC	0603_CAP		CAPACITOR	Multilayer Ceramic Capacitors MLCC - SMD/SMT 10UF 6.3V 20% 0402	Murata Electronics	GRM155R60J106ME44D	Mouser	EUR	190926	81-GRM155R60J106ME4D	1	1	25	25	€0.20	€5.10	3
4	C15	100nF	0603_cap		CAPACITOR	Multilayer Ceramic Capacitors MLCC - SMD/SMT 0402 0.1uF 16volts X7R 10%	Murata Electronics	GRM155R71C104KA88D	Mouser	EUR	4227218	81-GRM155R71C104KA88	1	1	25	25	€0.01	€0.33	4
5	C2, C3, C4, C5, C12	100nF	0603_cap		CAPACITOR	Multilayer Ceramic Capacitors MLCC - SMD/SMT 050volts 0.1uF 10% X7R	AVX	06035C104KAT2A	Mouser	EUR	483363	581-06035C104KAT2A	1	5	125	125	€0.03	€3.38	5
6	C6	18pF	0603_cap		CAPACITOR	Multilayer Ceramic Capacitors MLCC - SMD/SMT 0402 18pF 25volts COG 5%	Murata Electronics	GRM1555C1E180JA01D	Mouser	EUR	65669	81-GRM1555C1E180JA1D	1	1	25	25	€0.03	€0.63	6
7	C7, C9	7pF	0603_cap		CAPACITOR	Multilayer Ceramic Capacitors MLCC - SMD/SMT 0603 22pF 5volts COG 5%	Murata Electronics	GRM1885C1H220JA01D	Mouser	EUR	210127	81-GRM39C220J50	1	2	50	50	€0.03	€1.50	7
8	C8, C10	1uF/MLCC	0603_CAP		CAPACITOR	Multilayer Ceramic Capacitors MLCC - SMD/SMT 0603 10uF 16volts X7R 10%	Murata Electronics	GCM188R71C105KA64D	Mouser	EUR	197148	81-GCM188R71C105K64D	1	2	50	50	€0.15	€7.55	8
9	D1	NSR20F30NXT5G	0603_DIODE- CASE 152AB		DIODE	Schottky Diodes & Rectifiers 0603 FC SCHOTTKY DIODES	ON Semiconductor	NSR20F30NXT5G	Mouser	EUR	32441	863-NSR20F30NXT5G	1	1	25	25	€0.34	€8.38	9
10	D2, D3, D4, D5, D6, D7	NSR20F30NXT5G	0603_DIODE- CDSU101A		DIODE	Schottky Diodes & Rectifiers 0603 FC SCHOTTKY DIODES	ON Semiconductor	NSR20F30NXT5G	Mouser	EUR	32441	863-NSR20F30NXT5G	1	6	150	150	€0.19	€27.90	10
11	JP1	USB-MINI-B	USB-MINI-B-HIR- UX60A-MB-5ST			USB Connectors MINI B RECEPT RA SMT W/O POST	Hirose Connector	UX60A-MB-5ST	Mouser	EUR	8958	798-UX60A-MB-5ST	1	1	25	25	€0.69	€17.18	11
12	JP2	Header SX2 1.27mm	2x5-1.27mm- HARWIN-855-M50- 3600542		Header, 5-Pin, Dual row	Headers & Wire Housings 5x5 DIL PIN HDR SMT Au Sn	Harwin	M50-3600542	Mouser	EUR	10068	855-M50-3600542	1	1	25	25	€0.87	€21.85	12
13	LD1	LED_RED	0603_LED_RED			Standard LEDs - SMD 0402 SUPER RED Non-Diff	Vishay Semiconductors	VLM51500-GS08	Mouser	EUR	13467	78-VLM51500-GS08	1	1	25	25	€0.28	€6.95	13
14	LD2	LED_GRN	0603_LED_GRN			Standard LEDs - SMD 0402 GREEN Non-Diff	Vishay Semiconductors	VLMG1500-GS08	Mouser	EUR	54548	78-VLMG1500-GS08	1	1	25	25	€0.28	€6.95	14
15	LD3	LED_BLU	0603_LED_BLU			Standard LEDs - SMD 0402 GREEN Non-Diff	Vishay Semiconductors	VLMG1500-GS08	Mouser	EUR	54548	78-VLMG1500-GS08	1	1	25	25	€0.28	€6.95	15
16	R1, R2, R5, R7	10K	0603_res		RESISTOR	Thick Film Resistors - SMD 1/8Watt 10Kohms 1%	Vishay / Dale	CRCW040210K0FKED	Mouser	EUR	1575557	71-CRCW0402-10K-E3	1	4	100	100	€0.02	€2.40	16
17	R11	620R	0603_res		RESISTOR	Thick Film Resistors - SMD 1/8Watt 680ohms 1%	Vishay / Dale	CRCW0402680RFKED	Mouser	EUR	48885	71-CRCW0402-680-E3	1	1	25	25	€0.04	€1.03	17
18	R12, R14	470R	0603_res		RESISTOR	Thick Film Resistors - SMD 1/8Watt 470ohms 1%100ppm	Vishay / Dale	CRCW0402470RFKED	Mouser	EUR	61788	71-CRCW0402-470-E3	1	2	50	50	€0.04	€2.05	18
19	R3, R4, R8, R13	10K	0603_res		RESISTOR	Thick Film Resistors - SMD 0603 10Kohms 1%Tol	Panasonic	ERJ-3EKF1002V	Mouser	EUR	1844591	667-ERJ-3EKF1002V	1	4	100	100	€0.01	€0.80	19
20	R6	18K	0603_res		RESISTOR	Thick Film Resistors - SMD 1/8Watt 18.2Kohms 1%	Vishay / Dale	CRCW040218K2FKED	Mouser	EUR	45772	71-CRCW0402-18.2K-E3	1	1	25	25	€0.04	€1.03	20
21	R9, R10	0R	0603_res		RESISTOR	Thick Film Resistors - SMD 0603 Zero Ohms	Panasonic	ERJ-3GEY0R00V	Mouser	EUR	1232611	667-ERJ-3GEY0R00V	1	2	50	50	€0.01	€0.55	21
22	SW1, SW2, SW3	EVQ-P2202M	BUTTON 4.7x3.5mm		BUTTON TACTILE	Tactile Switches 4.7x3.5mm SMD Light Touch Switch	Panasonic	EVQ-P2202M	Mouser	EUR	3171	667-EVQ-P2202M	1	3	75	75	€0.59	€44.18	22
23	U2	TP578233	SOT23-5, 0.95mm- NOSILK			LDO Voltage Regulators Sgl Fixed Out LDO 150mA, 1uA Quies Crrt	Texas Instruments	TP578233DDCR	Mouser	EUR	12647	595-TP578233DDCR	1	1	25	25	€0.64	€15.95	23
24	Y1	FC135-32.76KAA3	CRYSTAL-3.2x1.5		CRYSTAL	Crystals 32.768KHz 20ppm 12.5pF -40C -85C	Epson Timing	FC-135 32.7680KA-A3	Mouser	EUR	3650	732-FC135-32.76KAA3	1	1	25	25	€0.82	€20.58	24
25	U1	LPC11U68J8D48	SOT313-2_V			NXP- LPC11U68J8D48E - MCU, 32BIT, CORTEX-M0+, 50MHZ, LQFP-48	NXP	LPC11U68J8D48E	Farnell	EUR	-4	2433462	1	1	25	25	€4.92	€123.00	25
26	Y2	12MHz/10pF	CRY-SMD4-EPSON- FA238V		CRYSTAL	ABRACON - ABM8G-12.000MHZ-B4Y-T - CRYSTAL, 12MHZ, 18PF, SMD	ABRACON	ABM8G-12.000MHZ-B4Y-T	Farnell	EUR	7840	2308707	1	1	25	25	€1.34	€33.50	26
27	B2	N-GMS	N-GMS										1	1		0		€0.00	27
28	JP3	HEADER-2	1X02										1	1		0		€0.00	28
29	JP4	HEADER_5	1X05										1	1		0		€0.00	29
30	U3	N-NODE24-20pin	N-NODE24-20pins										1	1		0		€0.00	30
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