

Bill of material after Mouser import for one board of EPSUX3REGV1 (combo reulator for EPSUX3V2)

Count	Part description	Value	Case	Mfg ref	Mfg name	Distributor	Mouser Part Number	Price	x1	Stock (11/12/15)
2	SMD power resistor, CRCW2512 serie, case 2512, 5%, 200ppm, 1W, 500V , CMS, -55/+155 dC	0.1/1W	2512	RL2512FK-070R1L	Yageo	Mouser	603-RL252FK070R1L	0,59 €		3 979
1	SMD resistor, case 0805, 1%, 100ppm, 125mW, 150V , CMS	10	805	CRCW0805XXXXFK	Vishay	Mouser	71-CRCW0805-10-E3	0,09 €		207 835
1	SMD resistor, case 0805, 1%, 100ppm, 125mW, 150V , CMS	49.9	805	CRCW0805XXXXFK	Vishay	Mouser	71-CRCW0805-49.9-E3	0,09 €		98 905
3	SMD resistor, case 0805, 1%, 100ppm, 125mW, 150V , CMS	100	805	CRCW0805XXXXFK	Vishay	Mouser	71-CRCW0805-100-E3	0,09 €		292 673
1	SMD resistor, case 0805, 1%, 100ppm, 125mW, 150V , CMS	243	805	CRCW0805XXXXFK	Vishay	Mouser	71-CRCW0805-243-E3	0,09 €		18 667
3	SMD resistor, case 0805, 1%, 100ppm, 125mW, 150V , CMS	402	805	CRCW0805XXXXFK	Vishay	Mouser	71-CRCW0805-402-E3	0,09 €		16 387
1	SMD resistor, case 0805, 1%, 100ppm, 125mW, 150V , CMS	499	805	CRCW0805XXXXFK	Vishay	Mouser	71-CRCW0805-499-E3	0,09 €		22 806
1	SMD resistor, case 0805, 1%, 100ppm, 125mW, 150V , CMS	732	805	CRCW0805XXXXFK	Vishay	Mouser	71-CRCW0805732RFKEA	0,09 €		16 563
2	SMD resistor, case 0805, 1%, 100ppm, 125mW, 150V , CMS	1k	805	CRCW0805XXXXFK	Vishay	Mouser	71-CRCW0805-1.0K-E3	0,09 €		416 531
1	SMD resistor, case 0805, 1%, 100ppm, 125mW, 150V , CMS	2k	805	CRCW0805XXXXFK	Vishay	Mouser	71-CRCW0805-2.0K-E3	0,09 €		127 199
1	SMD resistor, case 0805, 1%, 100ppm, 125mW, 150V , CMS	2.55k	805	CRCW0805XXXXFK	Vishay	Mouser	71-CRCW0805-2.55K-E3	0,09 €		17 100
1	SMD resistor, case 0805, 1%, 100ppm, 125mW, 150V , CMS	3.32k	805	CRCW0805XXXXFK	Vishay	Mouser	71-CRCW0805-3.32K-E3	0,09 €		38 116
6	SMD resistor, case 0805, 1%, 100ppm, 125mW, 150V , CMS	4.99k	805	CRCW0805XXXXFK	Vishay	Mouser	71-CRCW0805-4.99K-E3	0,09 €		86 111
1	SMD resistor, case 0805, 1%, 100ppm, 125mW, 150V , CMS	9.09k	805	CRCW0805XXXXFK	Vishay	Mouser	71-CRCW0805-9.09K-E3	0,09 €		25 318
3	SMD resistor, case 0805, 1%, 100ppm, 125mW, 150V , CMS	10k	805	CRCW0805XXXXFK	Vishay	Mouser	71-CRCW0805-10K-E3	0,09 €		557 148
1	SMD resistor, case 0805, 1%, 100ppm, 125mW, 150V , CMS	11k	805	CRCW0805XXXXFK	Vishay	Mouser	71-CRCW0805-11K-E3	0,09 €		36 209
1	SMD resistor, case 0805, 1%, 100ppm, 125mW, 150V , CMS	30.9k	805	CRCW0805XXXXFK	Vishay	Mouser	71-CRCW0805-30.9K	0,13 €		
2	SMD resistor, case 0805, 1%, 100ppm, 125mW, 150V , CMS	33.2k	805	CRCW0805XXXXFK	Vishay	Mouser	71-CRCW0805-33.2K-E3	0,09 €		35 860
6	SMD resistor, case 0805, 1%, 100ppm, 125mW, 150V , CMS	100k	805	CRCW0805XXXXFK	Vishay	Mouser	71-CRCW0805-100K-E3	0,09 €		291 711
1	SMD resistor, case 0805, 1%, 100ppm, 125mW, 150V , CMS	243K	805	CRCW0805243KFKEA	Vishay	Mouser	71-CRCW0805-243K-E3	0,09 €		28 755
1	SMD resistor, case 0805, 1%, 100ppm, 125mW, 150V , CMS	909k	805	CRCW0805XXXXFK	Vishay	Mouser	71-CRCW0805-909K-E3	0,11 €		25 106
1	SMD resistor, case 0805, 1%, 100ppm, 125mW, 150V , CMS	1.5M	805	CRCW0805XXXXFK	Vishay	Mouser	71-CRCW0805-1.5M	0,13 €		9 612
1	Condensateur ceramique NPO 5%, CMS boitier 0805	1nF/50V	805	VJ0805A102KXA	Vishay	Mouser	77-VJ0805A102KXAPBC	0,09 €		18 466
1	Ceramic multilayers capacitor, NPO 5%, CMS case 0805	3.3nF/50V	805	VJ0805A332KXA	Vishay	Mouser	77-VJ0805A332KXATBC	0,09 €		3 411
1	Ceramic multilayers capacitor, X7R 10%, CMS case 0805	10nF/100V	805	VJ0805Y103KXB	Vishay	Mouser	77-VJ0805Y103KXBMC	0,09 €		13 381
18	Ceramic multilayers capacitor, X7R 20%,25V CMS case 0805	100nF/25V	805	VJ0805Y104MXXAC	Vishay	Mouser	77-VJ0805Y104MXXAC	0,09 €		10 159
5	Ceramic multilayers capacitor, X7R 50v , 20%, CMS case 0805	220nF/50V	805	C2012X7R1H224M125AA	TDK	Mouser	810-C2012X7R1H224M	0,13 €		7 007
1	Ceramic multilayers capacitor, X7R 10%, CMS case 0805	1uF/16V	805	VJ0805Y105KXB	Vishay	Mouser	77-VJ0805Y105KXQTBC	0,05 €		28 870
5	Ceramic multilayers capacitor, X7R 10%, CMS case 0805	1uF/25V	805	GRM21BR71E105KA99	TDK	Mouser	81-GRM21BR71E105KA99	0,15 €		31 084
2	Ceramic multilayers capacitor, X7R dielectric, case 1206, 1uF/50V	1uF/50V	1206	C3216X7R1H105K160AB	TDK	Mouser	810-C3216X7R1H105K	0,22 €		87 978
2	MLCC capacitor SMD ,X7R, 10uF 35V, CMS case 1210	10uF/35V	1210 (3.2x2.5 mm)	GRM32ER7YA106KA12L	Murata	Mouser	81-GRM32ER7YA106KA2L	0,90 €		60 441
2	Aluminium electrolytic capacitor, general purpose, UWT type, 1000h @ 105dc, 47uF 35V, SMD, CMS	47uF/35V WT	6.6X6.6_D6.3mm	UWT1V470M	Nichicon	Mouser	647-UWT1V470MCL1S	0,30 €		26 866
4	Polymer hybrid capacitor ZA type, 5000h @ 105 dC, 47uF 35V, lac=1.3A, Z=60mR, CMS	47uF/35V ZA	6.6X6.6_D6.3mm	EEHZA1V470P	Panasonic	Mouser	667-EEH-ZA1V470P	1,30 €		1 608
1	Aluminium polymer hybrid capacitor ZA, 5000h@ 105dC, 150uF 35V, lac=2300mA, ESR=27mR, CMS	150uF/35V	8.3X8.3_D8.0	EEHZA1V151P	Panasonic	Mouser	667-EEH-ZA1V151P	2,30 €		1 950
1	Aluminium polymer hybrid capacitor ZA, 5000h@ 105dC, 270uF 35V, lac=2500mA, ESR=20mR, CMS	270uF/35V ZA	10x10	EEHZA1V271P	Panasonic	Mouser	667-EEH-ZA1V271P	2,48 €		561
1	Shielded power inductor , 12x12mm, -40+125dC, 10uH, Isat 5.5A, Rdc 0.020 Ohms, CMS	10uH/5A	SELF_12X12_SMD	SRR1260-100M	Bourns	Mouser	652-SRR1260-100M	0,94 €		4 122
1	Shielded power inductor , 12x12mm, -40+125dC, 47uH, Isat 5.4A, Rdc 0.048 Ohms, CMS	47uH/4.6A	SELF_12X12_SMD	MSS1210-473ME	Coilcraft	Mouser	994-MSS1210-473MEB	2,38 €		832
4	Common cathode dual schottky diode, If= 2x3.5A, Vrrm = 30V, Vf=0.45Vmax@3A25dC , CMS	6CWQ03FN	DPAK	6CWQ03FN	Vishay	Mouser	844-6CWQ03FPBFB	1,19 €		483
1	Ultra fast shottky diode (6nS), If 600mA, Vf 0.72 a 1.25V, Vrrm 70V, 350mW, SOT23-3 CMS	BAV99	SOT23_3L	BAV99	Fairchild	Mouser	771-BAV99-T/R	0,12 €		167 106
2	Schottky diode, If = 0.5A, Vrrm = 40V, Vf=0.5Vmax@1A , CMS	MBR0540	SOD123	MBR0540	Vishay	Mouser	863-MBR0540T1G	0,34 €		103 632
1	Schottky Diode If = 5A, Vrrm = 40V, Vf=0.5Vmax@5A , CMS	MBRS540T3	DO214AB-SMC	MBRS540T3G	ON	Mouser	863-MBRS540T3G	0,62 €		29 582
1	Unidirectional Transil protection diode (A),Vr=36V@ 1mA, Ifsm 100A, Ppp=600W, P=4kW(8/20us pulse), SMD, CMS	SM6T36A	DO214AA-SMB	SM6T36A	ST	Mouser	511-SM6T36A	0,45 €		9 668
1	NPN signal bipolar transistor, Vce 50V, Ic 200mA, hfe 270-800, Pt 250mW, CMS	BC847C	SOT23_3L	BC847C	Philips	Mouser	771-BC847C-T/R	0,12 €		127 293
2	PNP signal bipolar transistor, Vce -45V, Ic 100mA, hfe 200-450, Pt 300mW, CMS	BC857B	SOT23_3L	BC857B	Fairchild	Mouser	771-BC857B-T/R	0,13 €		66 748
2	Current mirror PNP 30V, 100mA,paired transistors, CMS	BCV62C	SOT143	BCV62C	Philips	Mouser	726-BCV62CE6327	0,53 €		5 333
1	NMOS logic transistor, Rds(on) 0,5 Ohm, Vdss 25V, Id=680mA , Pd=350mW, CMS, SMD	FDV303N	SOT23_3L	FDV303N	Fairchild	Mouser	512-FDV303N	0,34 €		43 888
1	NPN bipolar transistor,, Vce 80V, Vcb 90V, 1A, 1.25W, hfe 150/500, ft 200MHz, td/tr 500/1300ns, -65/+150dC, CMS	BSP52	SOT223	BSP52	Philips	Mouser	512-BSP52	0,44 €		7 912
1	Positive low power linear voltage regulator, adjustable Vout, Ioutmax 500mA, Vout=1.25-37V, Vin=40Vmax, CMS, SMD SOT223	LM317MDCY	SOT223	LM317MDCY	TI	Mouser	595-LM317MDCYR	0,74 €		8 187
1	4.096V low cost voltage reference, 1% accuracy, 50ppm/dC drift,SMD, CMS	MCP1541-I/TT	SOT23_3L	MCP1541-I/TT	Microchip	Mouser	579-MCP1541TITT	0,84 €		11 692
1	Dual channels 12bits SAR ADC 2.7-5.5V 100kps,Ref Vcc low poser, SPI,SMD, CMS	MCP3202-CI/SN	SOIC8_N	MCP3202-CI/SN	Microchip	Mouser	579-MCP3202-CI/SN	2,41 €		1 641
1	Dual channels 8bits DAC, internal Vref 2.5/5V 50ppm/dC, 20MHz SPI,extended tem -40+125dC SMD, CMS	MCP4802-E/SN	SOIC8_N	MCP4802-E/SN	Microchip	Mouser	579-MCP4802-E/SN	1,47 €		620
1	Low voltage dual OPAMP, RRIO, Vccmax= 5.5V, CMS	MCP6422-SN	SOIC8_N	MCP6422-SN	Microchip	Mouser	579-MCP6422-E/SN	0,67 €		224
1	Dual high voltage low power, precision OPAMP, Vs 44V (+/-22V), Offset 0.8mV, Ibias=-15nA SR=0.4V/us, Noise 22nV/Hz, max,SMD, CMS	LT1013DD	SOIC8_N	LT1013DD	TI	Mouser	595-LT1013DDR	1,73 €		2 752
1	Dual channel low power digital isolator, 1in 1 out, 1MB/s, Vdd 2.5-5.5V, Viso 2.5kV , -40+125dC, CMS,	SI8422AB-D-IS	SOIC8	SI8422AB-D-IS	Sillicon Labs	Mouser	634-SI8422AB-D-IS	0,91 €		16 377
1	Quad channel low power digital isolator, 4in 1 out, 150MB/s, Vdd 2.5-5.5V, Viso 2.5kV , -40+125dC, CMS,	SI8651BB-B-IS1	SOIC16	SI8651BB-B-IS1	Sillicon Labs	Mouser	634-SI8651BB-B-IS1	2,12 €		402
1	Low power single comparator , Vcc 2-36V, Icc=400uA, Vos 2mV, Ibias 25nA, open collector output , -40/+85dC, SOT23-5 SMD case, CMS	TL331IDB	SOT23_5L	TL331IDB	TI	Mouser	595-TL331IDBVR	0,51 €		27 781
1	Switching mode step-down switching regulator with Eco-mode, Vin 4.5-42V 5A case HSOIC8, CMS	TPS54540DDA	HSOIC8	TPS54540DDA	TI	Mouser	595-TPS54540DDAR	4,20 €		6 401
1	2.54mm pitch SIL vertical PC tail socket assembly, 1x4 pins, Tin plated	H1x4	BARETTE_1X04D_P2.54	M20-7820446	Harwin	Mouser	855-M20-7820446	0,44 €		3 183
3	2.54mm pitch vertical PC tail socket assembly, 2x5 pins, Tin plated	H2x5	BARETTE_2X05D_P2.54	M20-7830546	Harwin	Mouser	855-M20-7830546	1,16 €		729

Bill of material after Mouser import

Count	Part description	Value	Case	Mfg ref	Mfg name	Distributor	Mouser Part Number	Price x1	Stock (11/12/15)
1	SMD power resistor, CRCW2512 serie, case 2512, 5%, 200ppm, 1W, 500V , CMS, -55/+155 dC	.11W	2512	Vishay	L2512FK-070RJ	Mouser	603-RL252FK070R1L	0,59 €	3 979
3	SMD resistor, case 0805, 1%, 100ppm, 125mW, 150V , CMS	10	805	Vishay	RCW0805XXXXI	Mouser	71-CRCW0805-10-E3	0,09 €	207 835
8	SMD resistor, case 0805, 1%, 100ppm, 125mW, 150V , CMS	49.9	805	Vishay	RCW0805XXXXI	Mouser	71-CRCW0805-49.9-E3	0,09 €	98 905
13	SMD resistor, case 0805, 1%, 100ppm, 125mW, 150V , CMS	100	805	Vishay	RCW0805XXXXI	Mouser	71-CRCW0805-100-E3	0,04 €	292 673
1	SMD resistor, case 0805, 1%, 100ppm, 125mW, 150V , CMS	619	805	Vishay	RCW0805XXXXI	Mouser	71-CRCW0805-619-E3	0,09 €	12 104
6	SMD resistor, case 0805, 1%, 100ppm, 125mW, 150V , CMS	1k	805	Vishay	RCW0805XXXXI	Mouser	71-CRCW0805-1.0K-E3	0,09 €	416 531
4	SMD resistor, case 0805, 1%, 100ppm, 125mW, 150V , CMS	2k	805	Vishay	RCW0805XXXXI	Mouser	71-CRCW0805-2.0K-E3	0,09 €	127 199
1	SMD resistor, case 0805, 1%, 100ppm, 125mW, 150V , CMS	2.37k	805	Vishay	RCW0805XXXXI	Mouser	71-CRCW0805-2.37K-E3	0,09 €	31 360
2	SMD resistor, case 0805, 1%, 100ppm, 125mW, 150V , CMS	2.55k	805	Vishay	RCW0805XXXXI	Mouser	71-CRCW0805-2.55K-E3	0,09 €	17 100
1	SMD resistor, case 0805, 1, 100ppm, 125mW, 150V , CMS	5.49k	805	Vishay	RCW0805XXXXI	Mouser	71-CRCW0805-5.49K-E3	0,09 €	16 540
20	SMD resistor, case 0805, 1%, 100ppm, 125mW, 150V , CMS	10k	805	Vishay	RCW0805XXXXI	Mouser	71-CRCW0805-10K	0,07 €	199 982
1	SMD resistor, case 0805, 1%, 100ppm, 125mW, 150V , CMS	15.8k	805	Vishay	RCW0805XXXXI	Mouser	71-CRCW0805-15.8K-E3	0,09 €	19 198
1	SMD resistor, case 0805, 1%, 100ppm, 125mW, 150V , CMS	20k	805	Vishay	RCW0805XXXXI	Mouser	71-CRCW0805-20K-E3	0,09 €	128 969
1	SMD resistor, case 0805, 1%, 100ppm, 125mW, 150V , CMS	23.2k	805	Vishay	RCW0805XXXXI	Mouser	71-CRCW0805-23.2K-E3	0,09 €	17 280
1	SMD resistor, case 0805, 1%, 100ppm, 125mW, 150V , CMS	42.2k	805	Vishay	RCW0805XXXXI	Mouser	71-CRCW0805-42.2K-E3	0,09 €	18 714
1	SMD resistor, case 0805, 1%, 100ppm, 125mW, 150V , CMS	47.5k	805	Vishay	RCW0805XXXXI	Mouser	71-CRCW0805-47.5K-E3	0,09 €	24 111
1	SMD resistor, case 0805, 1%, 100ppm, 125mW, 150V , CMS	90.9k	805	Vishay	RCW0805XXXXI	Mouser	71-CRCW0805-90.9K-E3	0,09 €	33 313
5	SMD resistor, case 0805, 1%, 100ppm, 125mW, 150V , CMS	100k	805	Vishay	RCW0805XXXXI	Mouser	71-CRCW0805-100K-E3	0,09 €	291 611
4	SMD resistor, case 0805, 1%, 100ppm, 125mW, 150V , CMS	453k	805	Vishay	RCW0805XXXXI	Mouser	71-CRCW0805453KFKEA	0,11 €	18 493
7	SMD resistor, case 0805, 1%, 100ppm, 125mW, 150V , CMS	1M	805	Vishay	RCW0805XXXXI	Mouser	71-CRCW08051M00FKEB	0,09 €	199 110
3	SMD resistor, case 0805, 1%, 100ppm, 125mW, 150V , CMS	1.2M	805	Vishay	RCW0805XXXXI	Mouser	71-CRCW08051M20FKEA	0,09 €	17 998
1	SMD resistor, case 0805, 1, 100ppm, 125mW, 150V , CMS	10M	805	Vishay	RCW0805XXXXI	Mouser	71-CRCW0805-10M-E3	0,09 €	53 031
1	High voltage ceramic capacitor NPO/COG, 5% 1000Vcc, CMS case 1206, -55+125dC, Tc=-+30ppm/dC	68PF/1KV	1206	Murata	M31A5C3A680	Mouser	81-GRM31A5C3A680JW1D	0,39 €	798
1	Ceramic multilayers capacitor, NPO 2%, 25V CMS case 0805	100pF/25V	805	Vishay	/J0805A101GX/	Mouser	77-VJ0805A101GXCBBC	0,09 €	11 229
8	Ceramic multilayers capacitor, NPO 5%, CMS case 0805	1nF/50V	805	Vishay	/J0805A102KX/	Mouser	77-VJ0805A102KXAPBC	0,09 €	18 466
6	SMD ceramic security type capacitor X1 Y2 , 250Vac 4.7nF, case 1812, -55+125dC, CMS	4.7nF/250V	1812	Murata	43DR7GD472K	Mouser	81-GA343DR7GD472KL	0,77 €	1 105
1	Ceramic multilayers capacitor, X7R 10%, CMS case 0805	10nF/100V	805	Vishay	/J0805Y103KXE	Mouser	77-VJ0805Y103KXBMC	0,09 €	13 381
10	Ceramic multilayers capacitor, X7R 5%, 16V CMS case 0603	100nF/16V	603	Vishay	VJ0603Y104JXJ	Mouser	77-VJ0603Y104JXPBC	0,09 €	47 092
21	Ceramic multilayers capacitor, X7R 20%,25V CMS case 0805	100nF/25V	805	Vishay	0805Y104MXX/	Mouser	77-VJ0805Y104MXXAC	0,09 €	10 159
1	Ceramic multilayers capacitor, X7R 16v , 20%, CMS case 0805	220nF/16V	805	Vishay	J0805Y224MXJ1	Mouser	77-VJ0805Y224MXJTBC	0,09 €	7 632
2	Ceramic multilayers capacitor, X7R 50v , 20%, CMS case 0805	220nF/50V	805	TDK	.2X7R1H224M1/	Mouser	810-C2012X7R1H224M	0,13 €	7 007
4	Ceramic multilayers capacitor, X7R 10%, CMS case 0805	1uF/16V	805	Vishay	/05Y105KXQTV/	Mouser	77-VJ0805Y105KXQTCB	0,05 €	28 870
1	Ceramic multilayers capacitor, X7R dielectric, case 1206, 1uF/50V	1uF/50V	1206	TDK	.6X7R1H105K1/	Mouser	810-C3216X7R1H105K	0,22 €	87 978
5	Aluminium electrolytic capacitor, general purpose, UWT type, 1000h @ 105dc, 47uF 35V, SMD, CMS	47uF/35V WT	6.6X6.6_D6.3mm	Nichicon	UWT1V470M	Mouser	647-UWT1V470MCL1S	0,30 €	26 866
2	Polymer hybrid capacitor ZA type, 5000h @ 105 dC, 47uF 35V, Iac=1.3A, Z=60mR, CMS	47uF/35V ZA	6.6X6.6_D6.3mm	Panasonic	EEHZA1V470P	Mouser	667-EEH-ZA1V470P	1,30 €	1 608
1	Shielded power inductor , 7x7mm, -40+125dC, 100uH, Isat 0.86 A, Rdc 500 mOhms, CMS	100uH/0.86A	SELF_7X7_SMD	Murata	46104C	Mouser	580-46104C	0,53 €	1 573
29	SMD chip beads, 0805 case, -40+125dC, lmax 300mA, Rdc=0.7 Ohms max, CMS	1k5@100MHz	805	Faire-Rite	2508051527Y0	Mouser	623-2508051527Y0	0,11 €	13 281
7	Dual shottky diode in serie, BAT54S, If=200mA, Vfmax 0.4V, Vrrm 30V, SOT23-3 ,SMD CMS	BAT54S	SOT23_3L	ST MICROELECTRONICS	BAT54S	Mouser	78-BAT54S-G3-08	0,34 €	709
1	Low power zener diode, Vz=15V, serie BZX84C, 300mW, +/- 5%, CMS	BZX84C15	SOT23_3L	Philips	BZX84C15	Mouser	512-BZX84C15	0,19 €	27 970
1	Low power zener diode, Vz=30V, serie BZX84C, 300mW, +/- 5%, CMS	BZX84C30	SOT23_3L	Philips	BZX84C30	Mouser	512-BZX84C30	0,21 €	8 074
1	SMD green (570nm) LED, Vf=2.2V@20mA, case 0805	GREEN	0805_POL	OSRAM	LGR971-KN-1	Mouser	720-LGR971-KN-1	0,09 €	319 439
1	Schottky diode, If = 0.5A, Vrrm = 40V, Vf=0.5Vmax@1A , CMS	MBR0540	SOD123	Vishay	MBR0540	Mouser	863-MBR0540T1G	0,34 €	103 632
1	Ultrafast SMD rectifier, If = 3A, Ifsm=125A, Vrrm = 600V, Vf=1.05Vmax@3A150dC ,Tj max=175dC, CMS	MURS360S	SMC	Vishay	MURS360S-E3	Mouser	625-MURS360S-E3	0,51 €	2 509
4	Ultrafast rectifier diode, Vrrm=1000V, If = 1A, Pd 2.08W, Trr 75ns, Ct 15pF, CMS	US1M	DO214AC-SMA	Vishay	US1M	Mouser	78-US1MHE3_A/H	0,43 €	11 890
1	NPN signal bipolar transistor, Vce 50V, Ic 200mA, hfe 270-800, Pt 250mW, CMS	BC847C	SOT23_3L	Philips	BC847C	Mouser	771-BC847C-T/R	0,12 €	127 293
1	PNP signal bipolar transistor, Vce -45V, Ic 100mA, hfe 200-450, Pt 300mW, CMS	BC857B	SOT23_3L	Fairchild	BC857B	Mouser	771-BC857B-T/R	0,13 €	66 748
5	NMOS logic transistor, RdsOn 2.8 ohm, Vdss 100V, Id=170mA , Pd=0.36W, CMS	BSS123	SOT23_3L	Fairchild	BSS123	Mouser	512-BSS123L	0,19 €	20 343
9	P channel MOSFET, Ron=110mohm, Vdssmax = -25V Id= -3A Vgsth = -0.4/-1V ,SOT23-3 case, SMD, CMS	SI2301CDS	SOT23_3L	Vishay	SI2301CDS	Mouser	781-SI2301CDS-E3	0,41 €	6 100
1	Programmable logic array, ALTERA MAX V serie, Fmax=304MHz, 1270 logics elements, 144 pins (104 I/O) TQFP, Vcore=1.8V, VIO= 1.2-3.3V, Io 5M1270ZT144C5N	TQFP144_0.5mm		Altera	M1270ZT144C5	Mouser	989-5M1270ZT144C5N	10,06 €	1 624
1	Switching mode step down 1.25MHz switching regulator with Eco-mode, Vin 4.5-42V 600mA case SOT23-6, CMS	LMR14206X	SOT23-6	TI	LMR14206XMK	Mouser	926-LMR14206XMK/NOPB	2,37 €	2 358
2	8 bits inverting buffer , 3 states outputs, TTL /ACT compatible, +/-24mA fanout , Vcc +2..+6V, SMD, CMS	MC74ACT540DWG	SOIC20_L	ON	C74ACT540DW	Mouser	863-MC74ACT540DWG	0,66 €	901
1	Low cost voltage supervisor, open drain with internal pull-up, Vcc 1 to 5.5V, Vth 4.5-4.75V, active low output, SOT23, SMD, CMS	MCP130-475ITT	SOT23-3	Microchip	MCP130-475ITT	Mouser	579-MCP130T-475/TT	0,49 €	4 933
1	Positive low power linear voltage regulator, Vout=1.8V fixed, Ioutmax 1Amax, Vdrop 1.2Vmax, Vin=20Vmax, CMS, SMD	NCP1117ST18	SOT223	ON	NCP1117ST18	Mouser	863-NCP1117ST18T3G	0,44 €	9 686
1	Positive low power linear voltage regulator, Vout=3.3V fixed, Ioutmax 1Amax, Vdrop 1.2Vmax, Vin=20Vmax, CMS, SMD	NCP1117ST33	SOT223	ON	NCP1117ST33	Mouser	863-NCP1117ST33T3G	0,44 €	14 927
1	PFIC controller,CCM mode, fixed frequency 133kHz, low cost, SMD, CMS	PCP1654BD133R2C	SOIC8_N	ON	PCP1654BD133R3	Mouser	863-NCP1654BD133R2G	1,42 €	2 500
1	Programmable voltage reference with comparator, Vkmax=36V, Ref 2,5V 0,5% 50ppm/dC,-40+125dC, CMS	NCP431AVSN	SOT23_3L	ON	NCP431AVSN	Mouser	863-NCP431AVSNT1G	0,53 €	22 583
1	High voltage dual inputs high/low side MOSFETs drivers, Vh=600V, Vcc 10..20V, Io=+250/-500mA	NCP5304DR2G	SOIC8	ON	NCP5304DR2G	Mouser	863-NCP5304DR2G	1,00 €	2 747
1	Optocoupler , Vceo=70V, CTR grade -4, (160%-320%@10mA), Viso=5kV, CMS	SFH6156-4T	DIP4_N_CMS	Vishay	SFH6156-4T	Mouser	782-SFH6156-4T	0,78 €	665
1	Power MOSFET N channel, Id=300mA, VDSS=600V, RdsOn 15R@Vgs=10V, Tjmax=150dC, Ciss=94pF, trr=135 ns, CMS	STN1NK60Z	SOT223	ST	STN1NK60Z	Mouser	511-STN1NK60Z	0,56 €	11 280
1	Digital temperature sensor with SPI interface, 10bits, 0.25°C/bit, -55+125°C , accuracy +/-2°C, Vcc 2.65-5.5V, CMS	TC72-3.3MUA	MSOP8	Microchip	TC72-3.3MUA	Mouser	579-MCP9700T-E/TT	0,24 €	22 799
1	Low power single comparator , Vcc 2-36V, Icc=400uA, Vos 2mV, Ibias 25nA, open collector output , -40/+85dC, SOT23-5 SMD case, CMS	TL331IDB	SOT23_5L	TI	TL331IDB	Mouser	595-TL331IDBVR	0,51 €	27 781
1	Half bridge LLC controller CMS, SOIC8 SMD	UCC25600D	SOIC	TI	UCC25600D	Mouser	595-UCC25600DR	1,67 €	2 552
1	Power thru hole resistor, 1W PR01 (valeurs E24), 5%, 350V, 150ppm, -55/+155 dC	22k/1W	L6.5_d2.5_p1mm	Vishay	1000102202JR	Mouser	594-5073NW22K00J	0,16 €	16 959
2	1/4W thru hole standard resistor, MRS25, 1%, 250V, 150ppm	1M	RES_MRS25	Vishay	25000C1004FC	Mouser	594-MRS25000C1004FCT	0,29 €	11 842

	MAIN+FAV								
1	Inrush current limiter R@25dC=2 Ohms, Umax=265V 12A maxi,Cmax@230V=1000uF, D21E7P7.5mm	NTC_2R_5W	CTN SG200	Epcos	B57364S0109M	Mouser	871-B57364S109M	2,34 €	680
1	Varistor (SIOV) 260 Vrms, 360Vdc, 180 joules, 1Watt, Imax 10KA(8/20us)	S20K230E2	SIOV_S20K420	TDK	72220S2231K1C	Mouser	871-B72220S2231K101	1,01 €	1 199
1	Metallized polypropylene film radial X2 capacitor, 2u2/X2, 275Vac, 13x26xh22mm	C_2U2_275VAC_X2	CAP_S_13X31_E27.5MM	Vishay	46KN42200P0	Mouser	80-R46KN42200P0M	1,33 €	799
3	Metallized polypropylene film radial X2 capacitor, 220nF/X2, 275Vac 6x18xh12mm	_220NF_275VAC_X	CAP_S_6X18_E15MM	Vishay	46KI3220002I	Mouser	80-R46KI32200002K	0,65 €	1057
1	High ripple current polypropylene MKP capacitor , +/-5% BFC	12nF/630V	CAP_S_9.5X26_E22.5MM	Vishay	BFC237514123	Mouser	594-2222-375-14123	2,04 €	1 966
1	Metallized polypropylene film (MKP) radial X2 capacitor, 47nF/X2,20 % 100dC, for EMI suppression	47nF/275Vac X2	5x17.5_h11_e15_p1mm	BC Components	2222-336-20473	Mouser	594-2222-336-20473	1,39 €	2 614
7	Ceramic multilayers capacitor , X5R dielectric, case 0603, 1uF/25V 10% (decoupling only)	1uF/25V	603	Murata	4188R61E105K	Mouser	81-GRM188R61E105KA12	0,09 €	429 700
1	SNAP-IN radial aluminum capacitor , 2000H/ 105dC, Imax 1A@120Hz, D25H30e10mm	180uF/450V	d25_h30_e10_p2mm	United Chemi-Con	R451VSN181M	Mouser	661-EKMR451VS181MQ30	4,42 €	193
1	Common mode line filter choke, 250V, 1.5A, 20mH, Rdc=2 x 270mHms, Ta -40+125dC, 14x23H26mm	ELF_MC_20MH_1.5	SELFMC23X14MM	Würth	744823220	Mouser	710-744823220	4,50 €	116
1	Toroid inductor, 220uH/2,4A, 2116 serie, 15%, Rcc=0.12Ohms Diameter 19,6mm H 8,6mm	220uH/2,5A	TBD	Bourns	2116-H	Mouser	542-2116-H-RC	2,10 €	672
1	PQ26/20 coil former, 12 pins.	2620_COILFORMER		TDK	35878E0012D0C	Mouser	871-B65878E0012D001	1,52 €	290
1	PQ26/20 core set (pair) in N87 material, ungaped.	2620_CORE_N87		TDK	35877B0000R0E	Mouser	871-B65877B0000R087	1,80 €	491
1	PQ32/30 coil former, 12 pins.	3230_COILFORMER		TDK	365880E2012D1	Mouser	871-B65880E2012D1	1,65 €	21
1	PQ32/30 ferrite core set (pair), N87 material , ungapped.	3230_CORE_N87		TDK	35879B0000R0E	Mouser	871-B65879B0000R087	3,36 €	251
1	SiC diode , If 4A Vrrm=650V, Vfmax 1.7Vmax, Ifms=215A, no reverse recovery loss.	IDH04G65	TO220AC	Infineon	IDH04G65	Mouser	726-IDH04G65C5XKSA1	2,86 €	460
6	3mm cylindrical bicolor LED, colors Bright red, Vf=2V@20mA(30mcd) and Bright green Vf=2.2V@20mA(3mcd),	RED/GREEN	LED3MM_BOUTPLATDIFF	Kingbright	WP11SEGW	Mouser	604-WP483SRSGW	0,38 €	1 682
3	Power MOSFET N channel, ID=13A, VDSS=550V, RdsOn 0.35R@Vgs=10V, Tjmax=150 dC, Ciss=1.4nF, tr 300ns	IPP50R350CP	TO220	Infineon	IPP50R350	Mouser	726-IPP50R350CPXKSA1	2,19 €	581
1	low cost fan, 40x40x10mm 5Vdc,110mA 0.55W, 4800rpm, 5CFM, noise 22dB.Ball bearing.	FAN40x40	FAN40x40x10	QUALTEK	D1-04010BMM	Mouser	562-FAD1-04010BMMW11	6,58 €	144
1	Plastic fan filter assembly for 40x40mm fan, filter 30 pores/inch type.	FAN_FILTER40x40	FAN40x40x10	QUALTEK	09150-F30	Mouser	562-09150F30	1,38 €	595
1	Low profile relay 157.5mm 9.4mm height, coil 5V 140mW , 2RT, 250Vcc max, 2A max	EC2-5U	EC2-5U	Kemet	EC2-5NU	Mouser	80-EC2-5NU	1,49 €	3 645
3	Rotating digital encoder 2 bits quadrature outputs 25mm shaft, 24 p/rev, with push button ,vertical PCB mount,	CODER		Bourns	12R-4225F-S0	Mouser	652-PEC12R-4225F-S24	1,15 €	
2	Sub miniature toggle switch, single pole, 1A 250V, straight PCB mount. short lever.	ON-ON (MOM)		Mountaintwitch	AS1T1203-EV0	Mouser	108-2AS1T1203-EVX	2,38 €	1 400
2	DIL Horizontal right angle pin header tin plated 2x10pins	2X10 RA	2x10p2.54cde-L7mm	Harwin	M20-9951046	Mouser	855-M20-9951046	0,62 €	558
1	DIL Horizontal right angle pin header tin plated 2x3 pins	2X10 RA	2x10p2.54cde-L7mm	Harwin	M20-9950345	Mouser	855-M20-9950345	0,24 €	1 118
3	Panel mount 4mm banana jack, color BLACK with solder terminal and threaded panel mount, 30A 60V	VANA_JACK4MM_BLK		Pomona	3790-0	Mouser	565-3760-0	3,91 €	489
3	Panel mount 4mm banana jack, Color RED with solder terminal and threaded panel mount, 30A 60V	VANA_JACK4MM_RED		Pomona	3760-2	Mouser	565-3760-2	3,91 €	475
1	AC Power Entry Modules , CEE type 3 poles , solder tab, snap-in for 1mm thickness panel	EMBASE_SECTEUR		Bulgin	PX0575/10/28	Mouser	161-PX0575/10/28	1,78 €	100
3	DIL Horizontal right female pin header tin plated 2x10pins 2,54mm pitch	EMB_F_2X10_D	2x10pts/p2.54/h8.6mm	Harwin	M20-7831046	Mouser	855-M20-7831046	1,48 €	898
1	DIL Horizontal right female pin header tin plated 2x3 pins 2,54mm pitch	EMB_F_2X3_D	BARETTE_2X03D_P2.54	Harwin	M20-7830342	Mouser	855-M20-7830342	1,08 €	962
1	HE10 10 2x10 pins straight male PCB connector, 2,54mm pitch	HE10 10 br MD	HE10_10_D_01	Harting	09 18 510 6324	Mouser	617-09185106324	1,41 €	895
1	MiniKK 6410 male header straight 2 cts/e2.54mm, R=20mR, Vmax=250V/4A, Viso 1500Vac, T=0+75 dC	MiniKK_2	MiniKK_6410_2	Molex	22-27-2021	Mouser	538-22-27-2021	0,22 €	20 596
1	Rocker Switches SPST ON-NONE-OFF, panel mount 4A 250Vac double pole. (panel cut 12,9x19,4mm)	ON/ON		Carling Technologies	62115919-0-9-V	Mouser	691-62115919-0-9-V	1,30 €	1 000
2	Heatsink clips for TO220	CLIP2285SC	CLIPTO220	Wakefield-vette	285SC	Mouser	567-285SC	0,29 €	29
4	TO220 heatsink, PCB mount, 2 solder legs, vertical mount,clip or screw, Rthca=14 dC/W, 25x13x30mm	SINK_14CW_TO220	HEATSINK_240118ABE	Wakefield-vette	40-118ABEH-2	Mouser	567-240-118ABH-22	0,62 €	3 624
1	Fuse holder, 5 x 20mm size, horizontal PCB mount, 22.5mm spacing		FUS_Ci	Schurter	0031.8201	Mouser	693-0031.8201	0,59 €	21 840
1	Line voltage bridge rectifier , If=4A, Umax=500V, Ifsm=130A, with hole for heatsink, Rthjc=6dC/W	4A/500V	PONT_RS40X	Vishay	RS405M	Mouser	583-RS405M	1,07 €	1 213
1	low cost piezoelectric buzzer, PS12 serie, D12.2mm,H3.5mm, P5mm, 70dB 4kHz, 3Vrect.	BUZZER	BUZ_D12_6.5	TDK	PS1240P02CT3	Mouser	810-PS1240P02CT3	0,71 €	1 979
3	3 digits multiplexed green leds display, 10mm digit height, 12.8x30mm common anodes.	HDSP-431G		Agilent	HDSP-431G	Mouser	630-HDSP-431G	2,62 €	593
3	Plastic knob, 6mm "D" shaft , D15L19mm, Color black	KNOB_6S_D15H19		Eagle Plastic Devices	450-AA150	Mouser	450-AA150	0,56 €	
3	Plastic knob caps, 6mm, Color Red with white mark line.(for knob 450-AA150).	NOB_CAPSD9_RED		Eagle Plastic Devices	450-CP151	Mouser	450-CP151	0,35 €	998
3	3mm cylindrical flat top LED, color bright red, Vf=2.25 V@20mA	RED	LED3MM_BOUTPLATDIFF	Kingbright	WP424HDT	Mouser	604-WP424HDT	0,17 €	2 534