Petales										GBP/EUR ratio:		1,19457		
100	04.	Dark	Darkers	Defenses designates	04.	0-4-		Takal			Takal	O a mala ima a d	THE CMD	
1 10 10 10 10 10 10 10							•			•				
19 100 100 100 110														
Table Tabl			· · · · · · · · · · · · · · · · · · ·	C11, C26, C30, C37, C42, C54, C55, C56, C60, C61, C62, C65, C69, C70,				,						
1	3	10u	1210, 50V, X7R	C12, C20, C66	6	2362133	0,995	£5,97	CL32B106KBJNNNE	0,203	1,22 €	1,218€	6	
2 330 p	7	1u		C13, C57, C59, C68, C74, C76	14	2118131	0,169	£2,37	CL21B105KBFNNNG	0,014	0,20 €	0,200€	14	
1 EER-LIJOP SMD; 2010 x 10.2mm C18 2 0000040	1	EEEFK1J470P	SMD; Ø8x10.2mm	C16	2	9696032	0,603	£1,21	EEEFK1J470P	0,443	0,89 €	0,885€	2	
2 120p	2	330p	0805	C17, C33	4	1759212	0,030	£0,12	CL21C331JBANNNC	0,014	0,06 €	0,055€	4	
1 ATT	1	EEEFK1J101P	SMD; Ø10 x 10.2mm	C18	2	9696040	0,481	£0,96	EEEFK1J101P	0,370	0,74 €	0,740 €	2	
1 470p 0805 C24 (-66, C38, C39	2	120p	0805	C21, C50	4	1414667	0,030	£0,12	CL21C121JBANNNP	0,007	0,03 €	0,027€	4	
A DIC Control Contro	1	4n7	0805	C22	2	2496786	0,004	£0,01	CL21B472KBANNNC	0,006	0,01€	0,008€	2	
2 470 SMD, 803 x S 8mm CZ, C35 4 900580 0,247 6,09 EEFEKLYATOP 0,153 0,01	1	470p	0805	C23	2	2496859	0,005	£0,01	CL21B471KBANNNC	0,007	0,01€	0,012€	2	
1 22n 0995	4	2u2	0805	C24, C36, C38, C39	8	2320829	0,153	£1,22	CL21B225KAFNNNG	0,027	0,22 €	0,220€	8	
6 100 0905	2	47u	SMD, Ø6.3 x 5.8mm	C27, C35	4	9695850	0,247	£0,99	EEEFK1V470P	0,153	0,61 €	0,611 €	4	
5 Sin 0805 C.40, C.71, C.72, C.77, C.78 10 2496782 0.004 E.0.04 C.121832KRANNNC 0.007 0.07 0.076 0.042 1.047 1.0	1	22n	0805	C29	2	1759252	0,021	£0,04	CL21B223KBANNNC	0,008	0,02 €	0,017 €	2	
6 In	6	10n	0805	C34, C45, C53, C58, C80, C84	12	1759246	0,011	£0,14	CL31B103KBCNNNC	0,012	0,14 €	0,144 €	12	
1 417	5	3n3	0805	C40, C71, C72, C77, C78	10	2496782	0,004	£0,04	CL21B332KBANNNC	0,007	0,07 €	0,042€	10	
2 47p 0005 C46, C52 4 1414692 0,015 €0.06 C0005NRYO9470 0,007 0,03 € 0,03 € 4 3 2n2 0005 C48, C49, C811 6 1799235 0,023 € 0,14 €121822ERANND 0,006 0,04 € 0,037 € 16 3 407 1210, 1007, XTR C6, C7, C8 6 271140 1,270 €7,62	6	1n	0805	C41, C47, C51, C63, C64	12	2407340	0,035	£0,42	CL21B102KCANNNC	0,006	0,08 €	0,078€		
3 2 2 0805 C48, C49, C81 6 1796275 0.023 E0.14 C1218222KBANND 0.006 0.046 0.0376 6 0.0076	1	4u7	1206, Tantalum		2	1457428	0,162	£0,32	T491A475K006AT	0,075	0,15 €		2	
3 417	2	47p	0805	C46, C52	4		0,015	£0,06	CC0805JRNPO9470	0,007				
1 10	3	2n2	0805	C48, C49, C81	6	1759235	0,023	£0,14	CL21B222KBANNND	0,006	0,04 €	0,037 €	6	
3 470n 0805,50V C9, C25, C22 6 2470492 0,043 E0,26 C121B474KBFNNNG 0,015 0,09€ 0,09€ 6 1 STFSISH100 TO-252 D5 D5 2 2404052 0,549 E1,10 1			-, ,		6									
1 STPSISH100 T0-252 D5 2 2344052 0.549 £1.10 - 1.312 € 2 9 BAS316 S0D-323 D6, D11, D12, D13, D14, D15, D16, B8 8734775 0.140 £2.52 BAS316 0.019 0.33 € 0.33 € 0.33 € 18 2 DFLST100-7 SOD-323 D7, D10 4 1713889 0.657 £2.63 - 3.319 € 4.2 2 SKL16 SOD-323 D8, D9 4 8738025 0.146 £0.58 SKL16 0.019 0.07 € 0.07 € 0.07 € 4.4 2 SKL16 SOD-323 D8, D9 6 1835704 0.171 £1.03 LCBA-600 0.027 0.16 € 0.161 € 6.1 1 LTC3864EMSE#PEF MSOP-12 IC1 2 2293128 3.380 £6.76 - 5.2 1 REF90ZSAIDG4 SOIC-8 IC1 2 1439622 2.400 £4.80 - 5.74 € 2.1 1 AD4C85S2IDCKTG4 SOP-8 IC1 2 1292884 5.550 £11.90 - 5.74 € 2.1 1 AD4C85S2IDCKTG4 SOP-8 IC1 2 2376952 1.330 £2.86 - 5.74 € 2.1 1 AD4C85S2IDCKTG4 SOP-8 IC1 2 2376952 1.330 £2.86 - 5.74 € 2.1 1 AD4C85S2IDCKTG4 SOP-8 IC1 2 2402249 6.430 £2.80 € 1.8 1 LP339D SOIC-14 IC15 2 2989886 0.357 £0.71 LP339D 0.278 0.56 € 0.56 € 2.1 1 MC79L05 SOIC-8 IC2 2 2323583 0.249 £0.50 MC79L05ACD 0.155 0.31 € 0.30 € 2.1 1 MC79L05 SOIC-8 IC2 2 2323583 0.249 £0.50 MC79L05ACD 0.155 0.31 € 0.30 € 2.1 1 MC79L05 SOIC-8 IC3 2 5.75566 0.57 £7.1 MC79L05ACD 0.155 0.31 € 0.30 € 2.1 1 LP335D SOIC-14 IC15 2 2323534 2.880 £5.76 LMS574MT 4.170 8.34 € 6.881 € 2.1 1 LP335D SOIC-8 IC5 2 1755666 0.57 £1.1 LP339D 0.165 0.33 € 0.33 € 2.2 1 LMS574 TSSOP-16 IC4 2 2323534 2.880 £5.76 LMS574MT 4.170 8.34 € 6.881 € 2.2 1 LMS574 TSSOP-16 IC4 2 2323534 2.880 £5.76 LMS574MT 4.170 8.34 € 0.881 € 2.2 1 LMS574 TSSOP-16 IC5 2 1755666 0.57 £1.16 LP295ICMNOPB 0.166 0.33 € 0.33 € 2.2 1 LMS574 TSSOP-16 IC4 2 2323534 2.880 £5.76 LMS574MT 4.170 8.34 € 0.881 € 2.2 2 LMCP23S08-E/SO SOIC-8 IC5 2 1755666 0.57 £1.11 LP335D D.50 SOIC-9 0.164 0.66 € 0.540 € 4.2 2 TMCP23S08-E/SO SOIC-8 IC5 2 1755666 0.57 £1.11 LP335D D.50 SOIC-9 0.164 0.66 € 0.540 € 4.2 2 TMCP23S08-E/SO SOIC-8 IC5 1.51 LP339D 0.02 € 0.034 € 4.2 2 IML14-402 THI Solder on bottom layer! L1 2 1191.884 2.180 € 4.30 SMD0365-OR 0.058 0.23 € 0.034 € 4.2 2 IML14-402 THI Solder on bottom layer! L1 2 1191.884 2.180 € 4.30 SMD0365-OR 0.058 0.23 € 0.034 € 4.2 2 IML14-2002 THI Solder on bottom layer! L1 2 1191.865 1.470 € 2			1206, Tantalum	C67	2		0,177	£0,35		0,085	0,17 €		2	
9 BAS316 SOD-323 D6_DII_DIZ_DI3_DI4_DI5_DI6, DI7_DI8 18 8734275 0_140 £2.52 BAS316 0_019 0_33 € 0_33 € 18 2 DFLSLI00-7 SOD-323 D7, D10 4 1713889 0_657 £2.63 . . 3 (19 € 4 2 SKL16 SOD-323 D8, D9 4 873805 0.146 £0.88 SKL16 0.019 0.07 € 0.074 € 4 3 60R@100MHz O603 FBI, FB2, FB3 6 1635704 0.171 £1.03 LCBA-600 0.027 0.16 € 0.014 € 6 1 LTC3804EMSEMPBF MSOP-12 IC1 2 2293128 3.80 £5,76 - - 1.66 € 2 1 DCA0852DIOKITG4 SOP-8 IC11 2 1329584 5,950 £11,90 - - 14,215 € 2 1 DAC0852DIOKITG4 SCP-3 IC1 2 1329584 5,950 £11,90 </td <td>3</td> <td>470n</td> <td></td> <td>C9, C25, C32</td> <td>6</td> <td></td> <td>0,043</td> <td></td> <td>CL21B474KBFNNNG</td> <td>0,015</td> <td>0,09 €</td> <td></td> <td></td>	3	470n		C9, C25, C32	6		0,043		CL21B474KBFNNNG	0,015	0,09 €			
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1 BSS84P SOT-23 Q14 2 1056526 0,085 £0,17 BSS84P 0,048 0,10 € 0,096 € 2				•						0.020	0 20 £			
			SOT-23	Q2, Q10, Q11, Q17			0,121			0,021	0,16 €	0,090 € 0,164 €	8	

EEZ PSU BOM for Power board (r5B9, 2016-07-23) Project source code at https://github.com/eez-open

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2 2N7002	SOT-23	Q3, Q15	4	1713823	0,093	£0,37	2N7002LT1G	0,019	0,08 €	0,076 €		4
1 IRFP250N	THT, solder on bottom layer!		2	8649260	1,510	£3,02	IRFP250NPBF	1,060	2,12 €	2,120 €	2	
1 BC857C	SOT-23	Q5	2	8734771	0,018	£0,04	BC857C-DIO	0,020	0,04 €	0,040 €		2
1 BC846C	SOT-23	Q6	2	2453325	0,040	£0,08	BC846C-DIO	0,002	0,00 €	0,004 €		2
2 BCP56-16.115	SOT-223	Q7, Q9	4	1081258	0,187	£0,75	BCP56-16.115	0,106	0,42 €	0,424 €		4
1 IRFR5410	TO-252	Q8	2	2468040	0,846	£1,69	IRFR5410PBF	0,550	1,10 €	1,100 €		2
4 100K	0805	R11, R14, R77, R79	8	2352619	0,063	£0,50	SMD0805-100K-1%	0,008	0,06 €	0,065€		8
1 330K	0805	R12	2	9333070	0,002	£0,00	RC0805FR-07330K	0,007	0,01 €	0,004 €		2
2 4K7	0805	R15, R97	4	9333266	0,016	£0,06	RC0805FR-074K7	0,006	0,03 €	0,026 €		4
11 2K2	0805	R17, R32, R34, R35, R37, R46, R62, R65, R68, R94, R96	22	9237534	0,009	£0,19	SMD0805-2K2-1%	0,008	0,18 €	0,178€		22
1 R010/2W	2512, 2W	R2	2	1435947	0,386	£0,77	WW25RR010FTL	0,189	0,38 €	0,378 €		2
3 470R	0805	R20, R40, R53	6	1099798	0,012	£0,07	RC0805FR-07470R	0,007	0,04 €	0,044 €		6
2 51K	0805	R24, R51	4	9334653	0,011	£0,04	RC0805FR-0751K	0,006	0,02 €	0,024 €		4
2 16K	0805	R25, R36	4	9332677	0,016	£0,06	SMD0805-16K-1%	0,008	0,03 €	0,033 €		4
4 5K6	0805	R26, R92, R102, R104	8	2447693	0,005	£0,04	SMD0805-5K6-1%	0,008	0,06 €	0,047 €		8
3 5K1	0805	R27, R88, R101	6	9333320	0,016	£0,10	RC0805FR-075K1	0,007	0,04 €	0,039€		6
2 1K8	0805	R28, R56	4	2447595	0,005	£0,02	SMD0805-1K8-1%	0,008	0,03 €	0,023 €		4
3 0R	0805	R3, R21, R57	6	9233750	0,007	£0,04	SMD0805-0R	0,058	0,35 €	0,051 €		6
1 R080/3W	2512, <mark>3W</mark>	R30	2	1435951	0,524	£1,05	-			1,252 €		2
1 2R2/2W	2512	R31	2	1376975	0,353	£0,71	WF25P-2R2-5%	0,042	0,08 €	0,084 €		2
9 220R	0805	R38, R39, R42, R48, R58, R80, R81, R83, R84	18	1099795	0,012	£0,22	RC0805FR-07220R	0,007	0,13€	0,129€		18
6 1K	0805	R4, R33, R41, R74, R82, R95	12	1099800	0,009	£0,11	RC0805FR-071K	0,007	0,08 €	0,079€		12
2 7K5	0805, <mark>0.1%</mark>	R44, R55	4	1670239	0,206	£0,82	RN73C2A7K5BTDF	0,475	1,90 €	0,984 €		4
5 750R	0805	R47, R93, R100	10	9333525	0,016	£0,16	CRCW0805750RFKTABC	0,012	0,12 €	0,116€		10
2 100K	0805, <mark>0.1%</mark>	R49, R59	4	1577686	0,197	£0,79	RN73C2A100KBTDF	0,513	2,05 €	0,941 €		4
3 100R	0805	R5, R6, R43	6	1759246	0,011	£0,07	RC0805FR-07100R	0,007	0,04 €	0,040 €		6
2 20K	0805, <mark>0.1%</mark>	R50, R60	4	1575937	0,393	£1,57	TC0525B2002T1E	0,108	0,43 €	0,431 €		4
2 180R	0805, <mark>0.1%</mark>	R63, R73	4	1577596	0,143	£0,57	-			0,683€		4
2 2K37	0805, <mark>0.1%</mark>	R64, R72	4	1575834	0,343	£1,37	-			1,639 €		4
4 51R	0805, <mark>0.1%</mark>	R66, R67, R70, R71	8	1670210	0,207	£1,66	-			1,978 €		8
1 R020/2W	2512, 2W	R69	2	2079436	0,156	£0,31	WW25NR020FTL	0,189	0,38 €	0,373 €		2
7 47K	0805	R7, R16, R19, R89, R90, R91, R103	14	2447664	0,005	£0,07	RC0805FR-0747K	0,007	0,10 €	0,082€		14
3 10R	1206	R8, R18, R85	6	9236643	0,013	£0,08	CRCW120610R0FKTABC	0,014	0,08 €	0,082 €		6
2 330R	0805	R87, R105	4	9333037	0,002	£0,01	RC0805FR-07330R	0,007	0,03 €	0,008 €		4
16 10K	0805	R9, R10, R22, R23, R29, R45, R52, R54, R61, R75, R76, R78, R86, R98, R99, R106	32	9237755	0,009	£0,29	RC0805FR-0710K	0,007	0,21 €	0,212€		32
1 SRF0703-821M	SMD; 7.6mm x 7.6mm	TR1	2	1852832	0,608	£1,22	-			1,453 €		2
1 39303035	THT	X1	2	9963545	0,568	£1,14	MX-5569-03A4	0,476	0,95 €	0,952 €	2	
1 SSW-113-02-T-D-RA	THT	X3	2	1805583	4,170	£8,34	ZL263-26DG	0,399	0,80 €	0,799€	2	
1 BZX384-C15.115	SOD-323	ZD4	2	8735506	0,133	£0,27	BZX384-C15.115	0,019	0,04 €	0,038€		2
1 PDZ6.2B	SOD-323	ZD5	2	1757863	0,194	£0,39 £138,81	PDZ6.2B	0,019	0,04 € 42,01 €	0,037 € 121,38 €	8	2 500
Not installed	1000											
1 1u	1206	C14		-			-					2
2 100n	0805	C15, C19	4	-			-					4
2 2m2	THT, Ø18mm, solder on bottom layer!	C4, C5	4	-			-					4
4 STPS15H100	TO-252	D1, D2, D3, D4	-	-			-					8
2 S1751-46R	0805	GND, SW		-			-					4
1 12K	1208	R1		-			-					2
1 OR	0805	R13		-			-					2
1 282836-2	THT	X2		-			-					2
2 n.c.		ZD1, ZD2		-			-					4
1 See Note 3.2		ZD3	2	-			-					2

EEZ PSU BOM for Power board (r5B9, 2016-07-23) Project source code at https://github.com/eez-open

01	Other										1
1 39	9-01-4030	Receptacle for X1	2	9963480	0,172	£0,34	MX-5557-03R2	0,132	0,26 €	0,264 €	-
3 39	9-00-0078	Pins for X1	6	9732675	0,110	£0,66	MX-5556-T3L	0,074	0,45 €	0,445€	-
1 M	MEAN WELL LRS-150-48	Power module 48VDC; 3.3A (adjustable to 54VDC)	2	-			LRS-150-48	18,010	36,02 €	36,020 €	-
1 TF		40 mm metal spacer, M3 (a pair is required for dual channel)	2	-			TFF-M3X40/DR124	0,156	0,31 €	0,312€	-
1 H	leatsink 70 x 120 mm		2	-			RAD-A4463/120	1,340	2,68 €	2,680 €	-
	Screwed spacer sleeve; //3; 6 mm	Dremec 213x6	8	-			TFM-M3X6/DR213	0,089	0,71 €	0,713 €	-
						£1,00			40,43 €	40,43 €	

All prices are net prices (without VAT)