

									GBP/EUR ratio:		1,19457		
Qty	Part name	Package	Reference designator	Qty	Code	Farnell Unit price	Total	Code	TME Unit price	Total	Combined	THT	SMD
3	100n	1206	C1, C2, C3	6	2497072	0,035	£0.21	C1206C104K5RAC	0,013	0,08 €	0,080 €		6
4	1u	1206, 100V	C10, C28, C31, C44	8	2320876	0,277	£2.22	GRM31CR72A105KA01L	0,128	1,02 €	1,022 €		8
19	100n	0603	C11, C26, C30, C37, C42, C54, C55, C56, C60, C61, C62, C65, C69, C70, C73, C75, C79, C82, C83	38	2496832	0,006	£0.22	CL10B104K08NNNC	0,004	0,17 €	0,167 €		38
3	10u	1210, 50V, X7R	C12, C20, C66	6	2362133	0,995	£5.97	CL32B106KBJNNNE	0,203	1,22 €	1,218 €		6
7	1u	0805, 50V	C13, C57, C59, C68, C74, C76	14	2118131	0,169	£2.37	CL21B105KBFNNNG	0,014	0,20 €	0,200 €		14
1	EEEFK1J470P	SMD; Ø8x10.2mm	C16	2	9696032	0,603	£1.21	EEEFK1J470P	0,443	0,89 €	0,885 €		2
2	330p	0805	C17, C33	4	1759212	0,030	£0.12	CL21C331JBANNNC	0,014	0,06 €	0,055 €		4
1	EEEFK1J101P	SMD; Ø10 x 10.2mm	C18	2	9696040	0,481	£0.96	EEEFK1J101P	0,370	0,74 €	0,740 €		2
2	120p	0805	C21, C50	4	1414667	0,030	£0.12	CL21C121JBANNNP	0,007	0,03 €	0,027 €		4
1	4n7	0805	C22	2	2496786	0,004	£0.01	CL21B472KBANNNC	0,006	0,01 €	0,008 €		2
1	470p	0805	C23	2	2496859	0,005	£0.01	CL21B471KBANNNC	0,007	0,01 €	0,012 €		2
4	2u2	0805	C24, C36, C38, C39	8	2320829	0,153	£1.22	CL21B225KAFNNNG	0,027	0,22 €	0,220 €		8
2	47u	SMD, Ø6.3 x 5.8mm	C27, C35	4	9695850	0,247	£0.99	EEEFK1V470P	0,153	0,61 €	0,611 €		4
1	22n	0805	C29	2	1759252	0,021	£0.04	CL21B223KBANNNC	0,008	0,02 €	0,017 €		2
6	10n	0805	C34, C45, C53, C58, C80, C84	12	1759246	0,011	£0.14	CL31B103KBCNNNC	0,012	0,14 €	0,144 €		12
5	3n3	0805	C40, C71, C72, C77, C78	10	2496782	0,004	£0.04	CL21B332KBANNNC	0,007	0,07 €	0,042 €		10
6	1n	0805	C41, C47, C51, C63, C64	12	2407340	0,035	£0.42	CL21B102KCANNNC	0,006	0,08 €	0,078 €		12
1	4u7	1206, Tantalum	C43	2	1457428	0,162	£0.32	T491A475K006AT	0,075	0,15 €	0,151 €		2
2	47p	0805	C46, C52	4	1414692	0,015	£0.06	CC0805JRNPO9470	0,007	0,03 €	0,030 €		4
3	2n2	0805	C48, C49, C81	6	1759235	0,023	£0.14	CL21B222KBANNNND	0,006	0,04 €	0,037 €		6
3	4u7	1210, 100V, X7R	C6, C7, C8	6	2211140	1,270	£7.62	-			9,103 €		6
1	10u	1206, Tantalum	C67	2	1457413	0,177	£0.35	T491A106K010AT	0,085	0,17 €	0,170 €		2
3	470n	0805, 50V	C9, C25, C32	6	2470492	0,043	£0.26	CL21B474KBFNNNG	0,015	0,09 €	0,092 €		6
1	STPS15H100	TO-252	D5	2	2344052	0,549	£1.10	-			1,312 €		2
9	BAS316	SOD-323	D6, D11, D12, D13, D14, D15, D16, D17, D18	18	8734275	0,140	£2.52	BAS316	0,019	0,33 €	0,333 €		18
2	DFLS1100-7	SOD-323	D7, D10	4	1713889	0,657	£2.63	-			3,139 €		4
2	SKL16	SOD-323	D8, D9	4	8738025	0,146	£0.58	SKL16	0,019	0,07 €	0,074 €		4
3	60R@100MHz	0603	FB1, FB2, FB3	6	1635704	0,171	£1.03	LCBA-600	0,027	0,16 €	0,161 €		6
1	LTC3864EMSE#PBF	MSOP-12	IC1	2	2293128	3,380	£6.76	-			8,075 €		2
1	REF5025AIDG4	SOIC-8	IC10	2	1439622	2,400	£4.80	-			5,734 €		2
1	DAC8552IDGKTG4	SOP-8	IC11	2	1329584	5,950	£11.90	-			14,215 €		2
1	ADG465SOT-23	SOT-23	IC12	2	2376952	1,330	£2.66	-			3,178 €		2
1	TS5A9411DCKT	SC-70	IC13	2	1755582	0,765	£1.53	-			1,828 €		2
1	ADS1120IPWR	TSSOP-16	IC14	2	2402249	6,430	£12.86	-			15,362 €		2
1	LP339D	SOIC-14	IC15	2	9589686	0,357	£0.71	LP339D	0,278	0,56 €	0,556 €		2
1	MC79L05	SOIC-8	IC2	2	2323583	0,249	£0.50	MC79L05ACD	0,155	0,31 €	0,310 €		2
1	MC78L05	SOIC-8	IC3	2	9593845	0,357	£0.71	MC78L05ABDG	0,165	0,33 €	0,330 €		2
1	LM5574	TSSOP-16	IC4	2	2323534	2,880	£5.76	LM5574MT	4,170	8,34 €	6,881 €		2
1	LP2951SO8	SOIC-8	IC5	2	1755066	0,579	£1.16	LP2951CM/NOPB	0,508	1,02 €	1,016 €		2
2	TL072D	SOIC-8	IC6, IC7	4	1467663	0,113	£0.45	TL072CD	0,164	0,66 €	0,540 €		4
1	OP27GSZ	SOIC-8	IC8	2	9426124	2,020	£4.04	OP27GSZ	1,550	3,10 €	3,100 €		2
1	MCP23S08-E/SO	SOIC-18	IC9	2	1332092	0,866	£1.73	MCP23S08-E/SO	1,070	2,14 €	2,069 €		2
2	0R	0805	JP1, JP2	4	9233750	0,007	£0.03	SMD0805-0R	0,058	0,23 €	0,034 €		4
1	RN114-4/02	THT, solder on bottom layer!	L1	2	1191484	2,180	£4.36	CAF-3.1-1.2	1,820	3,64 €	3,640 €	2	
1	7443551331	SMD; 13.2mm x 12.8mm	L2	2	2211631	2,560	£5.12	-			6,116 €		2
2	IHLP2020CZER3R3M11	SMD; 5.49mm x 5.18mm	L3, L4	4	1741325	1,100	£4.40	-			5,256 €		4
3	2u2	1210	L5, L6, L7	6	2470305	0,205	£1.23	DLJ3015-2.2	0,275	1,65 €	1,469 €		6
1	HSMY-C170	0805	LED1	2	5790876	0,144	£0.29	HSMY-C170	0,060	0,12 €	0,120 €		2
1	10K/Beta:3570K	0805	NTC1	2	1612623	0,264	£0.53	NTCS0805E3103JMT	0,190	0,38 €	0,380 €		2
1	SUD19P06-60	TO-252	Q1	2	2101465	1,470	£2.94	-			3,512 €		2
5	MMBT5551	SOT-23	Q12, Q13, Q16, Q18, Q19	10	1459109	0,127	£1.27	MMBT5551	0,020	0,20 €	0,204 €		10
1	BSS84P	SOT-23	Q14	2	1056526	0,085	£0.17	BSS84P	0,048	0,10 €	0,096 €		2
4	MMBT5401	SOT-23	Q2, Q10, Q11, Q17	8	1459108	0,121	£0.97	MMBT5401	0,021	0,16 €	0,164 €		8

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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!	Q4	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	VW25RR010FTL	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, 3W	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, 0.1%	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, 0.1%	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, 0.1%	R50, R60	4	1575937	0,393	£1,57	TC0525B2002T1E	0,108	0,43 €	0,431 €	4
2	180R	0805, 0.1%	R63, R73	4	1577596	0,143	£0,57	-			0,683 €	4
2	2K37	0805, 0.1%	R64, R72	4	1575834	0,343	£1,37	-			1,639 €	4
4	51R	0805, 0.1%	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	VW25NR020FTL	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	PDZ6.2B	0,019	0,04 €	0,037 €	2
							£138,81			42,01 €	121,38 €	8 500

Not installed												
1	1u	1206	C14	2	-	-	-	-	-	-	-	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	-	-	-	-	-	-	-	8
2	S1751-46R	0805	GND, SW	4	-	-	-	-	-	-	-	4
1	12K	1208	R1	2	-	-	-	-	-	-	-	2
1	0R	0805	R13	2	-	-	-	-	-	-	-	2
1	282836-2	THT	X2	2	-	-	-	-	-	-	-	2
2	n.c.		ZD1, ZD2	4	-	-	-	-	-	-	-	4
1	See Note 3.2		ZD3	2	-	-	-	-	-	-	-	2

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