

#	Farnell / Element14								Digi-Key			Mouser		
	Qty	Part name	Package	Reference designator	Code	Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ
1	4	4n7/100V	1206	C1, C3, C4, C18	2812433	885012207120	0,069	10	1276-2524-1-ND	0,059	10	710-885012207120	0,033	10
2	6	10u	1210	C10, C16, C26, C28, C32, C33	2672214	GRT31CR61H106 KE01L	0,684	5	1276-6736-1-ND	0,184	10	810-C3216X7R1HK1 60AC	0,597	10
3	9	1u	0805	C11, C30, C53, C55, C63, C67, C76, C78, C81	2896566	VJ0805Y105KXXT W1BC	0,084	5	587-1283-1-ND	0,090	10	603-CC805MKX7R7B B105	0,062	10
4	2	470p	0805	C13, C19	1759217	MC0805N471J500 CT	0,061	10	732-7837-1-ND	0,059	10	710-885012007038	0,056	10
5	1	EEEFK1J101P	Ø10mm, low ESR	C14	9696040	EEEFK1J101P	1,020	1	PCE3819CT-ND	0,780	1	667-EEE-FK1J101P	0,690	1
6	1	EEEFK1H470P	Ø8mm, low ESR	C15	9695931	EEEFK1H470P	0,419	1	PCE3815CT-ND	0,590	1	667-EEE-FK1H470P	0,524	1
7	1	120p	C0G, 0805	C17	1759204	MC0805N121J500 CT	0,061	10	311-1112-6-ND	0,093	10	603-CC805JRNPO9B N121	0,065	10
8	2	HHXC630ARA220MHA0 G	Ø8mm, low ESR	C2, C89	-	-	-	-	-	-	-	661-HHXC630A220M HA0G	0,812	1
9	2	4u7 tant.	1206	C22, C66	2321209	T491A475K006AT	0,372	1	399-9717-1-ND	0,270	10	80-T491A475K006	0,265	10
10	2	10u tant.	1206	C27, C34	1457412	T491A106K006AT	0,345	1	399-3683-1-ND	0,250	10	80-T491A106K006	0,245	10
11	8	10n	0805	C29, C31, C42, C49, C54, C72, C86, C95	2896555	VJ0805Y103JXXP W1BC	0,065	10	490-7194-1-ND	0,017	10	710-885012207122	0,036	10
12	2	47p	C0G, 0805	C41, C47	2896511	VJ0805A470GXAC W1BC	0,052	10	1276-1156-1-ND	0,052	10	80-C0805C470J5G	0,036	10
13	5	2n2	0805	C43, C44, C45, C48, C87	2896572	VJ0805Y222KXAC W1BC	0,028	10	720-1604-1-ND	0,063	10	77-VJ0805Y222KXB AC	0,032	50
14	1	220p	C0G, 0805	C46	2896497	VJ0805A221JXAC W1BC	0,044	10	732-7854-1-ND	0,053	10	603-CC805JRNPO9B N221	0,065	10
15	2	4u7/100V	1210	C5, C6	2211140	CGA6M3X7S2A47 5K200AB	0,967	50	587-5034-1-ND	0,813	10	810-CGA6M3X7S2A4 75K	0,629	100
16	4	1n	0805	C59, C60, C83, C85	2896470	VJ0805A102JXAC W1BC	0,044	10	732-7858-1-ND	0,055	10	710-885012007040	0,052	10
17	1	4u7	1206	C64	1907356	C3216X7R1E475K 160AC	0,240	5	1276-2970-1-ND	0,199	10	963-EMK316B7475M L-T	0,129	10
18	4	3n3	0805	C69, C70, C73, C74	2896578	VJ0805Y332KXAC W1BC	0,025	10	1276-1260-1-ND	0,039	10	80-C0805C332K5R	0,024	10
19	2	1u/100V	1206	C7, C40	2579026	C1206X105K1RAC AUTO	0,635	5	311-1948-6-ND	0,271	10	810-C3216X7R2A105 M	0,227	10
20	2	470n	0805	C8, C88	2627486	MC0805F474Z500 CT	0,187	10	1276-6482-1-ND	0,082	10	603-CC805KKX7R9B B474	0,107	10

#	RS Components						TME			THT	SMD	Price calculation for 1 set			
	Qty	Part name	Code	Part Number	Unit price €	MOQ	Code / Part Number	Unit price €	MOQ			Best Supplier	Lowest unit price €	Order Qty	Line Cost €
1	4	4n7/100V	723-6394	GRM219R72A4 72KA01D	0,029	100	08051C472KAT2A	0,025	100		4	TME	0,025 €	4	0,098
2	6	10u	103-4163	UMK316BBJ106 KL-T	0,236	20	CL31A106KBHNNNE	0,546	10		6	Digikey	0,184 €	6	1,104
3	9	1u	451-5770	C0805C105K4R ACTU	0,028	25	CL21B105KOFNNNE	0,010	100		9	TME	0,010 €	9	0,094
4	2	470p	378-700	0805CG471J9B B	0,040	25	CC0805JRNPO9BN47 1	0,024	100		2	TME	0,024 €	2	0,048
5	1	EEEFK1J101P	708-3623	EEEFK1J101P	0,676	5	EEEFK1J101P	0,321	5		1	TME	0,321 €	1	0,321
6	1	EEEFK1H470P	537-0590	EEEFK1H470P	0,510	5	EEEFK1H470P	0,183	5		1	TME	0,183 €	1	0,183
7	1	120p	788-0471	VJ0805D121KX PAJ	0,304	10	CL21C121JBANNNC	0,033	100		1	TME	0,033 €	1	0,033
8	2	HHXC630ARA220MHA0 G	-	-	-	-	-	-	-		2	Mouser	0,812 €	2	1,624
9	2	4u7 tant.	538-2335	T491A475K006 AT	0,290	10	T491A475K006AT	0,099	10		2	TME	0,015 €	2	0,029
10	2	10u tant.	801-5401	T491A106K006 AT	0,139	50	T491A106K006AT	0,073	25		2	TME	0,073 €	2	0,145
11	8	10n	464-6672	08055C103KAT 2A	0,026	50	CC0805KRX7R9103	0,027	100		8	Digikey	0,017 €	8	0,136
12	2	47p	264-4270	C0805C470J5G ACTU	0,069	25	CC0805JRNPO9470	0,038	100		2	Mouser	0,036 €	2	0,072
13	5	2n2	264-4359	C0805C222K5R ACTU	0,031	25	VJ0805Y222KXACW1 BC	0,020	100		5	TME	0,020 €	5	0,098
14	1	220p	723-6335	GRM2165C2A2 21JA01D	0,059	100	CC0805JRNPO9221	0,015	100		1	TME	0,015 €	1	0,015
15	2	4u7/100V	-	-	-	-	-	-	-		2	Mouser	0,629 €	2	1,258
16	4	1n	723-6408	GRM2195C1H1 02JA01D	0,031	100	CL21C102JBCNNNC	0,026	100		4	TME	0,026 €	4	0,102
17	1	4u7	691-1221	C1206C475K3R ACTU	0,232	25	GCM31CR71E475KA5 5L	0,381	10		1	Mouser	0,129 €	1	0,129
18	4	3n3	237-7009	GRM216R71H3 32KA01D	0,060	50	VJ0805Y333KXACW1 BC	0,023	100		4	TME	0,023 €	4	0,092
19	2	1u/100V	136-4396	12061C105KAT 2A	0,294	50	-	-	-		2	Mouser	0,227 €	2	0,454
20	2	470n	378-700	0805CG471J9B B	0,040	25	C0805C474K4RAC	0,021	100		2	TME	0,021 €	2	0,042

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21	27	100n	0603	C9, C21, C23, C24, C25, C35, C36, C37, C38, C39, C50, C51, C52, C56, C57, C58, C61, C62, C65, C68, C71, C75, C77, C79, C80, C82, C84	2522597	C0603C104K4RAC7081	0,011	10	490-4774-1-ND	0,029	100	80-C0603C104M4R	0,007	100
22	2	10n/200V	1206	C90, C94	2812560	885342207005	0,078	5	311-4491-1-ND	0,150	10	603-C1206KRX7RAB B103	0,129	10
23	1	STPS15H100	DPAK	D1	2344052	STPS15H100CB-TR	1,010	1	497-11400-5-ND	1,070	1	511-STPS15H100CB-TR	1,050	1
24	1	SK55	SMB	D10	1299292	SK56C	0,608	1	SK55L-TPMSCT-ND	0,430	1	833-SK56A-LTP	0,489	1
25	1	SK10100D1-DIO	DPAK	D14	-				SBRT10U60D1-13DICT-ND	0,810	1	621-SBRT10U60D1Q-13	0,777	1
26	12	BAS316	SOD-323	D2, D3, D4, D5, D6, D7, D8, D9, D11, D12, D13, D15	8734275	BAS316,115	0,193	5	1727-7370-1-ND	0,120	1	771-BAS316-T/R	0,179	1
27	2	ZH32	ZH32	F1, F2	-				-			-		
28	3	BLM18AG102SH1D	0603	FB1, FB2, FB3	1515671	BLM18AG102SN1D	0,053	10	490-7809-1-ND	0,081	10	81-BLM18AG102SH1D	0,063	10
29	1	LTC3864EMSE#PBF	TSSOP-12	IC1	-				LTC3864EMSE#PBF-ND	4,440	1	584-LTC3864EMSE#PBF	4,360	1
30	1	OPA2196ID	SOIC-8	IC10	-				296-48159-1-ND	1,980	1	595-OPA2196IDR	1,880	1
31	1	MC33272ADR2G	SOIC-8	IC11	2531389	MC33272ADR2G	0,854	1	MC33272ADR2G OSCT-ND	0,910	1	863-MC33272ADR2G	0,865	1
32	1	LTC2050HVCS8#PBF	SOIC-8	IC12	-				LTC2050HVCS8#PBF-ND	2,760	1	584-LTC2050HVCS8#PBF	2,710	1
33	1	74AUP1G74DC.125	VSSOP-8	IC13	2445023	74AUP1G74DC,125	0,369	1	1727-6029-1-ND	0,430	1	771-AUP1GDC125	0,419	1
34	1	MCP23S17-E/SS	SSOP-28	IC14	1467675	MCP23S17-E/SS	1,160	1	MCP23S17-E/SS-ND	1,210	1	579-MCP23S17-E/SS	1,180	1
35	1	REF5025AIDR	SOIC-8	IC15	1439622	REF5025AIDG4	3,440	1	296-39165-1-ND	2,660	1	595-REF5025AIDR	2,540	1
36	1	DAC8552IDGKR	VSSOP-8	IC16	-				296-46082-1-ND	6,430	1	595-DAC8552IDGKR	6,150	1
37	1	SN74LVC1G3157DCKR	SC-70	IC17	1470911	SN74LVC1G3157DCKR	0,274	5	296-14909-1-ND	0,330	1	595-SN74LVC1G3157DCK	0,323	1
38	1	ADS1120IPWR	TSSOP-16	IC18	-				296-37280-1-ND	6,030	1	595-ADS1120IPWR	5,760	1
39	1	LM339D	SOIC-14	IC19	2293778	LM339D	0,264	5	296-1013-1-ND	0,320	1	595-LM339DR	0,306	1

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21	27	100n	393-6952	VJ0603Y104KXJ AT	0,069	25	CL10B104KA8NNNC	0,098	100		27	Mouser	0,007 €	27	0,189
22	2	10n/200V	669-8647	CC1206KRX7R ABB103	0,128	25	VJ1206Y103KXCTW1 BC	0,019	100		2	TME	0,019 €	2	0,038
23	1	STPS15H100	795-9075	STPS15H100CB -TR	1,088	5	-				1	Farnell	1,010 €	1	1,010
24	1	SK55	743-5961	SK56B R4	0,443	10	SK55-DIO	0,119	5		1	TME	0,119 €	1	0,119
25	1	SK10100D1-DIO	-				SK10100D1-DIO	0,310	3		1	TME	0,310 €	1	0,310
26	12	BAS316	397-2914	BAS316,115	0,122	50	BAS316,115	0,026	25		12	TME	0,026 €	12	0,317
27	2	ZH32	-				ZH32	0,228	5	2		TME	0,228 €	2	0,456
28	3	BLM18AG102SH1D	839-0803	BLM18AG102S H1D	0,043	100	BLM18AG102SH1D	0,016	50		3	TME	0,016 €	3	0,047
29	1	LTC3864EMSE#PBF	-				-				1	Mouser	4,360 €	1	4,360
30	1	OPA2196ID	-				-				1	Mouser	1,880 €	1	1,880
31	1	MC33272ADR2G	773-7778	MC33272ADR2 G	0,865	1	MC33272ADR2G	0,570	1		1	TME	0,570 €	1	0,570
32	1	LTC2050HVCS8#PBF	822-6746	LTC2050HVCS8 #PBF	2,155	2	-				1	RS	2,155 €	1	2,155
33	1	74AUP1G74DC.125	813-9254	74AUP1G74DC, 125	0,408	20	74AUP1G74DC.125	0,323	3		1	TME	0,323 €	1	0,323
34	1	MCP23S17-E/SS	669-6452	MCP23S17- E/SS	1,188	5	MCP23S17-E/SS	1,230	1		1	Farnell	1,160 €	1	1,160
35	1	REF5025AIDR	404-304	REF5025AID	3,030	1	-				1	Mouser	2,540 €	1	2,540
36	1	DAC8552IDGKR	-				-				1	Mouser	6,150 €	1	6,150
37	1	SN74LVC1G3157DCKR	628-2769	SN74LVC1G315 7DCKR	0,237	10	SN74LVC1G3157DCK R	0,107	5		1	TME	0,107 €	1	0,107
38	1	ADS1120IPWR	-				-				1	Mouser	5,760 €	1	5,760
39	1	LM339D	689-9718	LM339DR2G	0,340	5	LM339DG	0,184	3		1	TME	0,184 €	1	0,184

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40	1	TL783CKCSE3	THT, TO-220	IC2	-				296-20687-5-ND	1,770	1	595-TL783CKCSE3	1,730	1
41	1	MAX9141ESA	SOIC-8	IC20	2515004	MAX9141ESA+	1,230	1	MAX9141ESA+-ND	1,090	1	700-MAX9141ESA	0,934	1
42	1	LP2951D	SOIC-8	IC3	2318523	LP2951CDR2G	0,420	1	LP2951CDR2GO-SCT-ND	0,460	1	863-LP2951CDR2G	0,437	1
43	2	SI8641BB-B-IS1	SOIC-16	IC4, IC7	2423291	SI8641BB-B-IS1	2,140	1	336-2566-ND	2,230	1	634-SI8641BB-B-IS1	2,060	1
44	1	SN74LVC1G139DCUR	VSSOP-8	IC5	2147991	SN74LVC1G139DCUR	0,561	1	296-18203-1-ND	0,510	1	595-SN74LVC1G139DCUR	0,489	1
45	1	LTC3260EMSE#PBF	MSOP-16	IC6	-				LTC3260EMSE#PBF-ND	7,310	1	584-LTC3260EMSE#PBF	7,190	1
46	1	M24C32-WMN6P	SOIC-8	IC8	1224413	M24C32-WMN6P	0,212	5	-			511-M24C32-WMN6P	0,210	1
47	1	TMP1075AIDGK	VSSOP-8	IC9	2383105	TMP175AIDGKT	2,030	1	296-50245-1-ND	1,020	1	595-TMP1075DGKR	0,716	1
48	1	4907	THT, PCB terminal; 4.8mm	J1	-				36-4907-ND	0,260	1	534-4907	0,257	1
49	1	FCR7350R	THT, binding post 4 mm	J2	1854508	FCR7350R	6,170	1	-			-		
50	1	FCR7350B	THT, binding post 4 mm	J3	1854507	FCR7350B	5,750	1	-			-		
51	1	G6K-2F-5DC	Miniature relay, non-latching	K1	4446185	G6K-2F 5DC	2,940	1	Z128-ND	3,430	1	653-G6K-2F-DC5	3,370	1
52	1	RN112-4-02-0M7	RN112	L1					817-2100-ND	1,560	1	631-RN112-4-02-0M7	1,400	1
53	1	125CDMCCDS-330MC	Power inductor	L2	2211631	7443551331	3,930	1	308-2568-1-ND	1,510	1	851-125CDMCCDS330MC	1,590	1
54	2	VLS6045AF-3R3N	COILCRAFT_HPI0630	L3, L4	1741325	IHLP2020CZER3R3M11	1,940	5	445-180834-1-ND	0,510	1	810-VLS6045AF-3R3N	0,510	1
55	1	WP934MD/2LID	THT, dual 3 mm LED	LED1	-				754-2000-ND	0,920	1	604-WP934MD2LID	1,030	1
56	1	WP42WUM/EGW	THT, dual 3 mm LED	LED2	-				754-1718-ND	0,930	1	604-WP42WUM/EGW	0,926	1
57	1	WP934MD/LYLID	THT, dual 3 mm LED	LED3	-				754-2008-ND	0,990	1	604-WP934MDLYLID	0,795	1
58	1	WP934AD/YD	THT, 3 mm LED	LED4	-				754-1985-ND	0,550	1	604-WP934ADYD	0,472	1
59	1	SUD19P06-60	DPAK	Q1	2101465	SUD19P06-60-GE3	0,965	5	SUD19P06-60-GE3CT-ND	1,200	1	781-SUD19P06-60-GE3	1,040	1
60	5	MMBT5551	SOT-23	Q10, Q11, Q22, Q24, Q25	1459109	MMBT5551LT1G	0,154	5	MMBT5551LT1GOSCT-ND	0,180	1	863-MMBT5551LT1G	0,170	1
61	3	PSMN0R9-25YLC	SOT-669	Q12, Q13, Q14	1895396	PSMN0R9-25YLC,115	1,300	5	1727-5292-1-ND	1,270	1	771-PSMN0R925YLC115	1,320	1
62	5	2N7002	SOT-23	Q15, Q19, Q20, Q21, Q26	1713825	2N7002K-7	0,148	5	T2N7002AKLMC-T-ND	0,126	10	757-T2N7002AKLM	0,113	10

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40	1	TL783CKCSE3	661-6232	TL783CKCSE3	1,716	5	-			1		RS	1,716 €	1	1,716
41	1	MAX9141ESA	799-8282	MAX9141ESA+	1,360	5	-				1	Mouser	0,934 €	1	0,934
42	1	LP2951D	688-9360	LP2951ACDG	0,500	2	LP2951CDR2G	0,211	3		1	TME	0,211 €	1	0,211
43	2	SI8641BB-B-IS1	823-2126	Si8641BB-B-IS1	2,190	5	-				2	Mouser	2,060 €	2	4,120
44	1	SN74LVC1G139DCUR	-				-				1	Mouser	0,489 €	1	0,489
45	1	LTC3260EMSE#PBF	851-6768	LTC3260EMSE# PBF	6,700	1	-				1	RS	6,700 €	1	6,700
46	1	M24C32-WMN6P	686-2453	M24C32- WMN6P	0,180	25	M24C32-WMN6P	0,165	3		1	TME	0,165 €	1	0,165
47	1	TMP1075AIDGK	-				-				1	Mouser	0,716 €	1	0,716
48	1	4907	-				61-1537-11/0031	0,049	10	1		TME	0,049 €	1	0,049
49	1	FCR7350R	-				FCR7350R	2,290	1	1		TME	2,290 €	1	2,290
50	1	FCR7350B	-				FCR7350B	2,290	1	1		TME	2,290 €	1	2,290
51	1	G6K-2F-5DC	365-0361	G6K-2F-Y 5DC	5,940	1	G6K-2F-5DC	1,850	1		1	TME	1,850 €	1	1,850
52	1	RN112-4-02-0M7	-				-			1		Mouser	1,400 €	1	1,400
53	1	125CDMCCDS-330MC	-								1	Digikey	1,510 €	1	1,510
54	2	VLS6045AF-3R3N	-				HPI0630-3R3	0,335	1		2	TME	0,335 €	2	0,670
55	1	WP934MD/2LID	-				-			1		Digikey	0,920 €	1	0,920
56	1	WP42WUM/EGW	-				L-42WUM/1EGWT	0,501	1	1		TME	0,501 €	1	0,501
57	1	WP934MD/LYLID	-				-			1		Mouser	0,795 €	1	0,795
58	1	WP934AD/YD	-				OSY5LU3E34X-3F1A	0,119	5	1		TME	0,119 €	1	0,119
59	1	SUD19P06-60	180-7995	SUD19P06-60- GE3	0,960	10	SUD19P06-60-GE3	0,740	1		1	TME	0,740 €	1	0,740
60	5	MMBT5551	545-0400	MMBT5551LT1 G	0,146	10	MMBT5551	0,024	25		5	TME	0,024 €	5	0,121
61	3	PSMN0R9-25YLC	798-2895	PSMN0R9- 25YLC,115	1,537	3	PSMN0R9-25YLC.115	0,709	2		3	TME	0,709 €	3	2,126
62	5	2N7002	671-0312	2N7002	1,250	20	2N7002LT1G	0,019	25		5	TME	0,019 €	5	0,096

#	Farnell / Element14								Digi-Key			Mouser		
	Qty	Part name	Package	Reference designator	Code	Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ
63	1	BSS84P	SOT-23	Q16	1056526	BSS84PH6327XTS A2	0,224	5	BSS84PH6433X TMA1CT-ND	0,314	10	726- BSS84PH6327X TSA2	0,196	10
64	1	BTA26-600	THT, TOP-3	Q17	1057286	BTA26-600BRG	3,820	1	497-2427-5-ND	3,510	1	511-BTA26-600B	3,440	1
65	1	FMMT493TA	SOT-23	Q18	2061448	FMMT493ATA	0,348	5	FMMT493CT-ND	0,420	1	522-FMMT493TA	0,376	1
66	4	MMBT5401	SOT-23	Q2, Q8, Q9, Q23	2533333	MMBT5401LT3G	0,181	5	MMBT5401- FDICT-ND	0,154	10	621-MMBT5401- F	0,135	10
67	1	IRFP250MPBF	THT, TO-247	Q3	2580020	IRFP250MPBF	1,470	5	IRFP250MPBF- ND	1,840	1	942- IRFP250MPBF	1,550	1
68	1	BC856C	SOT-23	Q4	2453815	BC856CMTF	0,138	5	BC856CMTFCT- ND	0,154	10	512-BC856CMTF	0,118	10
69	2	BCP56	SOT-223	Q5, Q7	2628083	BCP56TX	0,263	5	BCP5616QTADI CT-ND	0,350	1	621- BCP5616QTA	0,297	1
70	1	STP10P6F6	THT, TO-220	Q6	2807209	STP10P6F6	1,230	1	497-13440-ND	1,530	1	511-STP10P6F6	1,290	1
71	1	4K7/2W	2512	R1	2081875	ASC2512-4K7FT4	0,195	10	A130729CT-ND	0,331	10	279- CRGP2512F4K7	0,180	10
72	8	100K	0805	R10, R13, R21, R22, R75, R76, R100, R121	2447551	MCWR08X1003FT L	0,010	10	RMCF0805FT10 0KCT-ND	0,024	10	71- CRCW0805100K FKEAC	0,040	10
73	1	6R2	0805	R101	2447714	MCWR08W6R20F TL	0,012	10	311-6.20CRCT- ND	0,070	10	603-RC0805FR- 076R2L	0,020	10
74	3	316K	0805	R12, R20, R23	2695035	MCWR08X3163FT L	0,010	10	311-316KCRCT- ND	0,037	10	652-CR0805FX- 3163ELF	0,013	10
75	1	4K7	0805	R14	2861530	CRGCQ0805F4K7	0,012	10	311-4.70KCRCT- ND	0,040	10	603-RC0805FR- 074K7L	0,027	10
76	11	220R	0805	R15, R33, R35, R36, R42, R48, R58, R80, R81, R84, R85	1099795	WCR0805-220RFI	0,019	10	RMCF0805FT22 0RCT-ND	0,020	10	603-RC0805FR- 13220RL	0,020	10
77	2	1K8	0805	R16, R51	2447595	MCWR08X1801FT L	0,009	10	A129752CT-ND	0,028	10	652-CR0805JW- 182ELF	0,008	10
78	2	16K	0805	R18, R34	2303674	ERJ6ENF1602V	0,009	10	311-16.0KCRCT- ND	0,037	10	603-RC0805FR- 0716KL	0,027	10
79	3	5K1	0805	R19, R90, R103	2447692	MCWR08X5101FT L	0,010	10	RMCF0805FT5K 10CT-ND	0,024	10	652-CR0805FX- 5101ELF	0,013	10
80	25	10K	0805	R2, R9, R11, R17, R24, R25, R26, R30, R41, R49, R52, R57, R64, R67, R70, R74, R79, R87, R93, R99, R102, R104, R106, R114, R115	9237755	RC0805FR- 0710KL	0,022	10	311-10.0KCRCT- ND	0,039	10	603-RC0805FR- 0710KL	0,014	10
81	5	1K	0805	R27, R39, R66, R95, R112	1099800	WCR0805-1K0FI	0,019	10	RC0805FR- 071KL	0,039	10	603-RC0805FR- 071KL	0,015	10
82	2	3R9/2W	2512	R28, R29	2324219	ERJ1TYJ3R9U	0,205	10	RMCF2512JT3R 90CT-ND	0,225	10	603-RC2512JK- 073R9L	0,254	10
83	1	R010/2W	2512	R3	1435947RL	CRA2512-FZ- R010ELF	0,599	10	KRL32C.010CT- ND	0,580	1	652- CRA2512FZR01 0ELF	0,334	10

#	RS Components						TME			THT	SMD	Price calculation for 1 set			
	Qty	Part name	Code	Part Number	Unit price €	MOQ	Code / Part Number	Unit price €	MOQ			Best Supplier	Lowest unit price €	Order Qty	Line Cost €
63	1	BSS84P	-				BSS84P	0,060	10		1	TME	0,060 €	1	0,060
64	1	BTA26-600	714-0515	BTA26-600BRG	3,710	1	BTA26-600BRG	2,180	1		1	TME	2,180 €	1	2,180
65	1	FMMT493TA	274-885	FMMT493TA	0,302	10	FMMT493TA	0,125	10		1	TME	0,125 €	1	0,125
66	4	MMBT5401	739-0546	MMBT5401	0,157	10	MMBT5401	0,024	25		4	TME	0,024 €	4	0,094
67	1	IRFP250MPBF	827-4004	IRFP250MPBF	1,678	5	IRFP250MPBF	1,220	1	1		TME	1,220 €	1	1,220
68	1	BC856C	-				BC856C-DIO	0,027	20		1	TME	0,027 €	1	0,027
69	2	BCP56	773-7633	BCP56-16T3G	0,138	10	BCP56-16T1G	0,153	5		2	RS	0,138 €	2	0,276
70	1	STP10P6F6	-				STP10P6F6	0,640	1	1		TME	0,640 €	1	0,640
71	1	4K7/2W	224-0424	35204K7JT	1,370	10	CRCW25124K70FKTH BC	0,113	10		1	TME	0,113 €	1	0,113
72	8	100K	223-0691	CRG0805F100K	0,028	50	SMD0805-100K-1%	0,015	100		8	Farnell	0,010 €	8	0,078
73	1	6R2	-				RC0805JR-076R2	0,034	100		1	Farnell	0,012 €	1	0,012
74	3	316K	763-3985	ERJP06F3163V	0,038	500	CRCW0805316KFKTA BC	0,025	100		3	Farnell	0,010 €	3	0,029
75	1	4K7	223-0528	CRG0805F4K7	0,023	50	SMD0805-4K7-1%	0,023	100		1	Farnell	0,012 €	1	0,012
76	11	220R	223-0332	CRG0805F220R	0,018	50	SMD0805-220R-1%	0,022	100		11	RS	0,018 €	11	0,198
77	2	1K8	223-0461	CRG0805F1K8	0,022	50	SMD0805-1K8-1%	0,022	100		2	Mouser	0,008 €	2	0,016
78	2	16K	-				SMD0805-16K-1%	0,015	100		2	Farnell	0,009 €	2	0,017
79	3	5K1	-				SMD0805-5K1-1%	0,015	100		3	Farnell	0,010 €	3	0,029
80	25	10K	125-1189	CRG0805F10K	0,002	100	RC0805FR-0710K	0,022	100		25	RS	0,002 €	25	0,050
81	5	1K	223-0427	CRG0805F1K0	0,017	50	RC0805FR-071K	0,022	100		5	Mouser	0,015 €	5	0,075
82	2	3R9/2W	224-0086	35203R9JT	0,254	10	35203R9JT	0,182	10		2	TME	0,182 €	2	0,364
83	1	R010/2W	693-4381	CRA2512-FZ- R010ELF	0,508	5	LRP2512-R010-1%	0,147	10		1	TME	0,147 €	1	0,147

EEZ DIB DCP405 BOM (r1B1, 2019-05-19)
Project source code at <https://github.com/eez-open/modular-psu>

#	Farnell / Element14									Digi-Key			Mouser		
	Qty	Part name	Package	Reference designator	Code	Part Number	Unit price €	MOQ		Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ
84	6	2K2	0805	R31, R32, R43, R63, R97, R113	9237534	RC0805FR-072K2L	0,037	10		311-2.20KCRCT-ND	0,039	10	603-RC0805FR-072K2L	0,026	10
85	8	470R	0805	R37, R50, R77, R82, R83, R89, R107, R120	1099798	WCR0805-470RFI	0,019	10		311-470CRCT-ND	0,039	10	71-CRCW0805470R FKEB	0,041	10
86	8	47K	0805	R4, R61, R69, R72, R91, R109, R110, R118	2447664	MCWR08X4702FT L	0,009	10		RHM47KKCT-ND	0,036	10	603-RC0805FR-0747KL	0,014	10
87	2	7K5 0.1%	0805	R40, R53	1575887	MCTC0525B7501T 5E	0,203	10		YAG1974CT-ND	0,265	10	279-CPF0805B7K5E 1	0,249	10
88	4	750R	0805	R44, R88, R111, R117	2447719	MCWR08X7500FT L	0,010	10		A126385CT-ND	0,046	10	71-CRCW0805750R FKEB	0,052	10
89	2	100K 0.1%	0805	R45, R54	1653285RL	RR1220P-104-B-T5	0,205	10		P100KDACT-ND	0,268	10	284-APC0805B100K N	0,093	10
90	2	24K 0.1%	0805	R46, R55	1670246	ERA6AEB243V	0,270	10		P24KDACT-ND	0,268	10	279-CPF0805B24KE 1	0,157	1
91	1	51K	0805	R47	2447680	MCWR08X5102FT L	0,010	10		RMCF0805FT51 K0CT-ND	0,024	10	652-CR0805FX-5102ELF	0,013	10
92	2	1R	0805	R5, R116	2447598	MCWR08W1R00FTL	0,012	10		311-1.00CRCT-ND	0,071	10	603-RC0805FR-131RL	0,020	10
93	1	0R	0805	R56	2747563	MCWR08X0000FT L	0,006	10		RMCF0805ZT0R 00CT-ND	0,019	10	603-RC0805FR-070RL	0,023	10
94	2	3K9 0.1%	0805	R59, R68	1577666	ERA6AEB392V	0,277	10		YAG1890CT-ND	0,265	10	279-CPF0805B3K9E 1	0,157	10
95	3	100R	0805	R6, R7, R38	2447552	MCWR08X1000FT L	0,094	10		311-100CRCT-ND	0,039	10	RC0805FR-07100RL	0,014	10
96	2	82R 0.1%	0805	R60, R73	2504986RL	ACPP080582RBE	0,395	1		YAG1982CT-ND	0,265	10	603-RT0805BRD078 2RL	0,196	10
97	1	0R75	1206	R62	2805273	RLP73K2AR75JTD	0,095	10		311-.75SCT-ND	0,261	10	603-RL0805FR-070R75L	0,188	10
98	1	0R082	1206	R65	2116424	RLP73N2BR082JTD	0,266	10		408-1581-1-ND	0,342	10	603-RL1206FR070R0 82L	0,196	10
99	1	0R010	2512, low TCR	R71	2808330	GMR100HTBFA10 L0	1,130	5		511-1686-1-ND	1,350	1	755-GMR100HTBFA1 0L0	1,080	1
100	1	270R	0805	R78	2073716	MCMR08X271 JTL	0,009	10		RMCF0805FT27 0RCT-ND	0,025	10	652-CR0805FX-2700ELF	0,013	10
101	2	10R	1206	R8, R86	9236643	RC1206FR-0710RL	0,050	10		311-10.0CRCT-ND	0,071	10	603-RC1206FR-0710RL	0,034	10
102	2	5K6	0805	R92, R105	2447693	MCWR08X5601FT L	0,010	10		RC0805FR-075K6L	0,037	10	RC0805FR-075K6L	0,027	10
103	4	330R	0805	R94, R98, R108, R119	2695037	MCWR08X331 JTL	0,009	10		A129743CT-ND	0,045	10	652-CR0805FX-3300ELF	0,013	10
104	1	AC01000001007JA100	R-EU_0411/15	R96	1735022	AC01000001007JA 100	0,441	1		PPC1W.10CT-ND	0,500	1	594-AC01W0R100J	0,349	1

#	RS Components						TME			THT	SMD	Price calculation for 1 set			
	Qty	Part name	Code	Part Number	Unit price €	MOQ	Code / Part Number	Unit price €	MOQ			Best Supplier	Lowest unit price €	Order Qty	Line Cost €
84	6	2K2	679-1207	CRCW08052K2 0FKEA	0,039	50	SMD0805-2K2-1%	0,022	100		6	TME	0,022 €	6	0,134
85	8	470R	223-0376	CRG0805F470R	0,021	50	RC0805FR-07470R	0,022	100		8	Farnell	0,019 €	8	0,151
86	8	47K	679-1434	CRCW080547K 0FKEA	0,036	50	RC0805FR-0747K	0,022	100		8	Farnell	0,009 €	8	0,075
87	2	7K5 0.1%	-				AR0805-7K5-0.1%	0,105	10		2	TME	0,105 €	2	0,210
88	4	750R	215-2298	RN73C2A750RB	0,666	5	SMD0805-750R-1%	0,015	100		4	Farnell	0,010 €	4	0,039
89	2	100K 0.1%	-				AR0805-100K-0.1%	0,105	10		2	Mouser	0,093 €	2	0,186
90	2	24K 0.1%	-				AR0805-24K-0.1%	0,105	10		2	TME	0,105 €	2	0,210
91	1	51K	-				SMD0805-51K-1%	0,015	10		1	Farnell	0,010 €	1	0,010
92	2	1R	740-9151	CR0805-J/- 1R0ELF	0,027	50	SMD0805-1R-1%	0,032	100		2	Farnell	0,012 €	2	0,023
93	1	0R	-				CQ0805-0R-1%	0,028	100		1	Farnell	0,006 €	1	0,006
94	2	3K9 0.1%	-				AR0805-3K9-0.1%	0,105	10		2	TME	0,105 €	2	0,210
95	3	100R	679-0807	CRCW0805100 RFKEA	0,043	50	SMD0805-100R-1%	0,022	100		3	Mouser	0,014 €	3	0,042
96	2	82R 0.1%	-				AR0805-82R-0.1%	0,105	10		2	TME	0,105 €	2	0,210
97	1	0R75	-				-				1	Farnell	0,095 €	1	0,095
98	1	0R082	-				CS1206-0R082-1%- HP	0,165	10		1	TME	0,165 €	1	0,165
99	1	0R010	-				-				1	Mouser	1,080 €	1	1,080
100	1	270R	223-0348	CRG0805F270R	0,025	50	SMD0805-270R-1%	0,023	100		1	Farnell	0,009 €	1	0,009
101	2	10R	740-9085	CR1206-FX- 10R0ELF	0,036	50	SMD1206-10R	0,012	100		2	TME	0,012 €	2	0,025
102	2	5K6	679-1572	CRCW08055K6 0FKEA	0,029	50	SMD0805-5K6-1%	0,023	100		2	Farnell	0,010 €	2	0,019
103	4	330R	223-0354	CRG0805F330R	0,040	50	SMD0805-330R-1%	0,015	100		4	Farnell	0,009 €	4	0,038
104	1	AC01000001007JA100	846-9836	AC01000001007 JA100	0,350	1	-				1	Mouser	0,349 €	1	0,349

#	Qty	Part name	Package	Reference designator	Code	Farnell / Element14			Digi-Key			Mouser		
						Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ
105	2	DR1206-33R-4/8	R_ARRAY4	RN1, RN2	1770128	CAY16-330J4LF	0,069	10	CAY16-330J4LFCT-ND	0,090	1	652-CAY16-330J4LF	0,085	1
106	1	39-30-1020	THT, Minifit Jr. 2-pin, right angle	X1	9732080	39-28-1023	0,367	1	WM3800-ND	0,530	1	538-39-28-1023	0,530	1
107	1	M20-9701346	M20-9701346	X2	-	-	-	-	-	-	-	855-M20-9701346	0,969	1
108	1	1844249	MC1,5/5-G-3,5	X3	2776334	MC 1,5/ 5-G-3,5	1,830	1	277-5789-ND	2,070	1	651-1844249	2,030	1
109	1	ZL263-20DG	SSW-110-02-T-D-RA	X4	1668376	SSW-110-02-G-D-RA	2,640	1	SAM10030-ND	1,770	1	200-SSW11002TDRA	1,750	1
110	1	SMAJ51A	SMA	ZD1	2677667	SMAJ51A	0,144	5	SMAJ51ALFCT-ND	0,370	1	652-SMAJ51A	0,463	1
111	1	PDZ5.6B	SOD-323	ZD2	1757862	PDZ5.6B,115	0,177	5	1727-3676-1-ND	0,166	10	771-PDZ5.6B-T/R	0,155	10
112	1	BZX384-C13	SOD-323	ZD3	8735492	BZX384-C13,115	0,178	5	BZX384C13-E3-08GICT-ND	0,185	10	771-BZX384-C13115	0,148	10
113	1	PDZ6.2B	SOD-323	ZD4	1757863	PDZ6.2B,115	0,153	5	1727-1719-1-ND	0,166	10	771-PDZ6.2BT/R	0,155	10
114	1	SLVU2.8-TP	TVS, SOT-23	ZD5	2749173	SLVU2.8HTG	0,929	5	SLVU2.8-TPMSCT-ND	0,690	1	833-SLVU2.8-TP	0,664	1

Not installed

1	1uF/50V Tant.	C20			
1	n.c.	0805	C12		
1	N.C.	ECAP2G/5	C91		
2	N.C.	0805	C92, C93		
2			TP1, TP2		

Related parts and accessories

2	PCB-MB-01	PCB bracket; polyamide	KK1, KK2	-	-	-
1	SK624/50/AL	Heatsink 90 x 50 x 17 mm		-	-	-
3	B3X5/BN3318	Screwed spacer sleeve; Int.thread: M3; 5mm for heatsink				
2	ZCT-8A	20 x 5 mm, fuse; time lag; ceramic				
2	IB-6	Insulating bushing TO220 for IC2, Q6				
1	LRS-150F-48	Mean Well 48 Vdc power module	2815982	LRS-150F-48	21,150	1
1	TBC-07	Terminal cover for Mean Well power module	-			
				1866-4907-ND	0,260	1
						709-LRS150F-48 23,330 1
						709-TBC-07 0,292 1

Custom made components

1	PCB 2-layer 185 x 95 mm	ALLPCB.com	-			
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#	RS Components						TME					Price calculation for 1 set			
	Qty	Part name	Code	Part Number	Unit price €	MOQ	Code / Part Number	Unit price €	MOQ			Best Supplier	Lowest unit price €	Order Qty	Line Cost €
105	2	DR1206-33R-4/8	522-5670	CAY16-330J4LF	0,004	50	DR1206-33R-4/8	0,009	100	2	RS	0,004 €	2	0,008	
106	1	39-30-1020	484-1883	39-28-102	0,354	5	MX-39-30-1020	0,339	5	1	TME	0,339 €	1	0,339	
107	1	M20-9701346	-				-			1	Mouser	0,969 €	1	0,969	
108	1	1844249	-				-			1	Farnell	1,830 €	1	1,830	
109	1	ZL263-20DG	180-0986	SSW-110-02-T-D-RA	2,100	1	ZL263-20DG	0,335	2	1	TME	0,335 €	1	0,335	
110	1	SMAJ51A	171-4238	SMAJ51A	0,320	25	SMAJ51A-LF	0,201	3	1	Farnell	0,144 €	1	0,144	
111	1	PDZ5.6B	725-8269	PDZ5.6B,115	0,031	100	PDZ5.6B.115	0,060	10	1	RS	0,031 €	1	0,031	
112	1	BZX384-C13	508-361	BZX384-C13,115	0,016	200	BZX384-C13.115	0,025	20	1	RS	0,016 €	1	0,016	
113	1	PDZ6.2B	725-8247	PDZ6.2B,115	0,026	100	PDZ6.2B	0,024	25	1	TME	0,024 €	1	0,024	
114	1	SLVU2.8-TP	793-1942	SLVU2.8HTG	1,000	5	-			1	Mouser	0,664 €	1	0,664	
										18	282				77,69 €

Not installed															
1	1uF/50V Tant.										1	Farnell	0,000 €	1	0,000
1	n.c.										1	Farnell	0,000 €	1	0,000
1	N.C.										1	Farnell	0,000 €	1	0,000
2	N.C.										2	Farnell	0,000 €	2	0,000
2											2	Farnell	0,000 €	2	0,000

Related parts and acces:															
2	PCB-MB-01	-		PCB-MB-01	0,091	10						TME	0,091 €	2	0,182
1	SK624/50/AL	-		SK624/50/AL	2,430	1						TME	2,430 €	1	2,430
3	B3X5/BN3318			B3X5/BN3318	0,077	10						TME	0,077 €	3	0,230
2	ZCT-8A			ZCT-8A	0,131	10						TME	0,131 €	2	0,262
2	IB-6			IB-6	0,050	10						TME	0,050 €	2	0,099
1	LRS-150F-48	106-5854	LRS-150F-48	21,730	1		LRS-150F-48	15,650	1			TME	15,650 €	1	15,650
1	TBC-07	-		TBC-07	0,260	1						Digikey	0,260 €	1	0,260
															19,11 €

Custom made componer															
1	PCB 2-layer 185 x 95 mm											ALLPCB	4,600 €	1	4,600

#						Farnell / Element14			Digi-Key			Mouser		
	Qty	Part name	Package	Reference designator	Code	Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ	Part Number	Unit price €	MOQ

All prices are net prices (without VAT)

Please note that BOM does not contain ordering number for parts on reels or that which includes re-reeling fee (e.g. Farnell). Take also into account that total cost is higher because min. quantity (MOQ) for many parts is larger then what is needed for single unit.

All resistors are 1% 0805 and all capacitors are X7R 0805 if not otherwise specified.

				RS Components			TME					Price calculation for 1 set			
#	Qty	Part name	Code	Part Number	Unit price €	MOQ	Code / Part Number	Unit price €	MOQ	THT	SMD	Best Supplier	Lowest unit price €	Order Qty	Line Cost €
															4,60 €

Total 101,40 €