

| # | Farnell / Element14 | | | | | | | | Digi-Key | | | Mouser | | | RS Components | | | |
|----|---------------------|------------------|----------------|---|---------|-----------------------|-----------------|-----|----------------|-----------------|-----|-----------------------|-----------------|-----|---------------|----------------------|-----------------|-----|
| | Qty | Part name | Package | Reference designator | Code | Part Number | Unit price € | MOQ | Part Number | Unit price € | MOQ | Part Number | Unit price € | MOQ | Code | Part Number | Unit price € | MOQ |
| 1 | 5 | 10n/200V | 1206 | C1, C3, C4, C93, C97 | 2812560 | 885342207005 | 0,078 | 5 | 311-4491-1-ND | 0,150 | 10 | 603-C1206KRX7RAB B103 | 0,129 | 10 | 669-8647 | CC1206KRX7R ABB103 | 0,128 | 25 |
| 2 | 2 | 10u | 1210 | C10, C15 | 2672214 | GRT31CR61H106 KE01L | 0,684 | 5 | 1276-6736-1-ND | 0,184 | 10 | 810-C3216X7R1HK1 60AC | 0,597 | 10 | 103-4163 | UMK316BBJ106 KL-T | 0,236 | 20 |
| 3 | 1 | EEEFK1J101P | Ø10mm, low ESR | C11, C16 | 9696040 | EEEFK1J101P | 1,020 | 1 | PCE3819CT-ND | 0,780 | 1 | 667-EEE-FK1J101P | 0,690 | 1 | 708-3623 | EEEFK1J101P | 0,676 | 5 |
| 4 | 2 | 470p | 0805 | C12, C19 | 1759217 | MC0805N471J500 CT | 0,061 | 10 | 732-7837-1-ND | 0,059 | 10 | 710-885012007038 | 0,056 | 10 | 378-700 | 0805CG471J9B B | 0,040 | 25 |
| 5 | 1 | EEEFK1H470P | Ø8mm, low ESR | C13 | 9695931 | EEEFK1H470P | 0,419 | 1 | PCE3815CT-ND | 0,590 | 1 | 667-EEE-FK1H470P | 0,524 | 1 | 537-0590 | EEEFK1H470P | 0,510 | 5 |
| 6 | 4 | 33p | C0G, 0805 | C17, C29, C46, C60 | 1759197 | MC0805N330J500 CT | 0,042 | 10 | 1276-1105-1-ND | 0,048 | 10 | C0805C330K5G ACTU | 0,036 | 10 | 264-4264 | C0805C330J5G ACTU | 0,069 | 25 |
| 7 | 2 | 6n8 | 0805 | C18, C61 | 1759244 | MC0805B682K500 CT | 0,033 | 10 | 1276-1799-1-ND | 0,052 | 10 | 80-C0805C682K5R | 0,029 | 10 | 624-2531 | GRM2195C1H6 82JA01D | 0,196 | 50 |
| 8 | 2 | HHXC630A330MHA0G | Ø8mm, low ESR | C2, C92 | - | - | - | - | - | - | - | 661-HHXC630A330M HA0G | 0,891 | 1 | - | - | - | - |
| 9 | 4 | 4u7 | 1206 | C20, C21, C27, C67 | 1907356 | C3216X7R1E475K 160AC | 0,240 | 5 | 1276-2970-1-ND | 0,199 | 10 | 963-EMK316B7475M L-T | 0,129 | 10 | 691-1221 | C1206C475K3R ACTU | 0,232 | 25 |
| 10 | 2 | 2u2 | 1206, 50V | C22, C23 | - | - | - | - | 1276-2723-1-ND | 0,132 | 10 | 80-C1206C225M5R ECLR | 0,106 | 10 | 184-3509 | UMK316B7225K LHT | 0,151 | 10 |
| 11 | 2 | 330p | C0G, 0805 | C25, C63 | 1414686 | C0805C331J5GAC TU | 0,054 | 10 | 1276-1189-1-ND | 0,049 | 10 | 80-C0805C331J5G | 0,036 | 10 | 176-3198 | 0805N331J500C T | 0,037 | 200 |
| 12 | 1 | 22u | 1210, 25V | C26 | 2320935 | MC1210X226K250 CT | 1,490 | 1 | 1276-3373-1-ND | 0,369 | 10 | 603-CC121KKX7R8B B226 | 0,777 | 10 | 766-1182 | CL32A226KAJN NNE | 0,343 | 10 |
| 13 | 6 | 10n | 0805 | C28, C33, C49, C54, C90, C98 | 2896555 | VJ0805Y103JXXP W1BC | 0,065 | 10 | 490-7194-1-ND | 0,017 | 10 | 710-885012207122 | 0,036 | 10 | 464-6672 | 08055C103KAT 2A | 0,026 | 50 |
| 14 | 2 | 100p | C0G, 0805 | C41, C47 | 2896861 | C0805C101JAGAC TU | 0,023 | 10 | 399-15000-1-ND | 0,019 | 10 | 80-C0805C101K5G | 0,032 | 10 | 461-3997 | CC0805JRNP09 BN101 | 0,030 | 50 |
| 15 | 6 | 1u | 0805 | C53, C56, C70, C71, C80, C82 | 2896566 | VJ0805Y105KXXT W1BC | 0,084 | 5 | 587-1283-1-ND | 0,090 | 10 | 603-CC805MKX7R7B B105 | 0,062 | 10 | 451-5770 | C0805C105K4R ACTU | 0,028 | 25 |
| 16 | 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 | - | - | - | - |
| 17 | 7 | 4n7 | C0G, 0805 | C55, C64, C75, C76, C77, C78, C87 | 1828942 | GRM2165C1H472J A01D | 0,184 | 10 | 732-12255-1-ND | 0,162 | 10 | 810-C2012C0G1H47 2J-1 | 0,072 | 10 | 741-4529 | C2012C0G1H47 2J060AA | 0,056 | 100 |
| 18 | 1 | 4u7 tant. | 1206 | C69 | 2321209 | T491A475K006AT | 0,372 | 1 | 399-9717-1-ND | 0,270 | 10 | 80-T491A475K006 | 0,265 | 10 | 538-2335 | T491A475K006A T | 0,290 | 10 |
| 19 | 1 | 1u/100V | 1206 | C7 | 2579026 | C1206X105K1RAC AUTO | 0,635 | 5 | 311-1948-6-ND | 0,271 | 10 | 810-C3216X7R2A105 M | 0,227 | 10 | 136-4396 | 12061C105KAT 2A | 0,294 | 50 |
| 20 | 2 | 470n | 0805 | C8, C91 | 2627486 | MC0805F474Z500 CT | 0,187 | 10 | 1276-6482-1-ND | 0,082 | 10 | 603-CC805KKX7R9B B474 | 0,107 | 10 | 378-700 | 0805CG471J9B B | 0,040 | 25 |
| 21 | 32 | 100n | 0603 | C9, C24, C30, C31, C32, C34, C35, C36, C37, C38, C39, C42, C48, C50, C51, C52, C57, C58, C59, C62, C65, C66, C68, C72, C73, C74, C79, C81, C83, C85, C88, C89 | 2522597 | C0603C104K4RAC 7081 | 0,011 | 10 | 490-4774-1-ND | 0,029 | 100 | 80-C0603C104M4R | 0,007 | 100 | 393-6952 | VJ0603Y104KXJ AT | 0,069 | 25 |
| 22 | 11 | BAS316 | SOD-323 | D1, D3, D10, D11, D12, D13, D15, D16, D18, D19, D20 | 8734275 | BAS316,115 | 0,193 | 5 | 1727-7370-1-ND | 0,120 | 1 | 771-BAS316-T/R | 0,179 | 1 | 397-2914 | BAS316,115 | 0,122 | 50 |

| # | TME | | | | | | Price calculation for 1 set | | | | |
|----|-----|------------------|------------------------|-----------------|-----|-----|-----------------------------|------------------|---------------------------|--------------|-------------|
| | Qty | Part name | Code / Part Number | Unit price € | MOQ | THT | SMD | Best Supplier | Lowest unit price € | Order Qty | Line Cost € |
| 1 | 5 | 10n/200V | VJ1206Y103KXCTW1 BC | 0,019 | 100 | | 5 | TME | 0,019 € | 5 | 0,095 |
| 2 | 2 | 10u | CL31A106KBHNNNE | 0,546 | 10 | | 2 | Digikey | 0,184 € | 2 | 0,368 |
| 3 | 1 | EEEFK1J101P | EEEFK1J101P | 0,321 | 5 | | 1 | TME | 0,321 € | 1 | 0,321 |
| 4 | 2 | 470p | CC0805JRNPO9BN47 1 | 0,024 | 100 | | 2 | TME | 0,024 € | 2 | 0,048 |
| 5 | 1 | EEEFK1H470P | EEEFK1H470P | 0,183 | 5 | | 1 | TME | 0,183 € | 1 | 0,183 |
| 6 | 4 | 33p | CL21C330JBANNNC | 0,015 | 100 | | 4 | TME | 0,015 € | 4 | 0,060 |
| 7 | 2 | 6n8 | CL21B682KBANNNC | 0,327 | 100 | | 2 | Mouser | 0,029 € | 2 | 0,058 |
| 8 | 2 | HHXC630A330MHA0G | - | | | | 2 | Mouser | 0,891 € | 2 | 1,782 |
| 9 | 4 | 4u7 | GCM31CR71E475KA5 5L | 0,381 | 10 | | 4 | Mouser | 0,129 € | 4 | 0,516 |
| 10 | 2 | 2u2 | CL31B225KBHNNNE | 0,029 | 50 | | 2 | TME | 0,029 € | 2 | 0,057 |
| 11 | 2 | 330p | CL21C331JBANNNC | 0,029 | 100 | | 2 | TME | 0,029 € | 2 | 0,058 |
| 12 | 1 | 22u | CL32A226KAJNNNE | 0,158 | 10 | | 1 | TME | 0,158 € | 1 | 0,158 |
| 13 | 6 | 10n | CC0805KRX7R9103 | 0,027 | 100 | | 6 | Digikey | 0,017 € | 6 | 0,102 |
| 14 | 2 | 100p | CL21C101JBANNNC | 0,026 | 100 | | 2 | Digikey | 0,019 € | 2 | 0,038 |
| 15 | 6 | 1u | CL21B105KOFNNNE | 0,010 | 100 | | 6 | TME | 0,010 € | 6 | 0,062 |
| 16 | 2 | 4u7/100V | - | | | | 2 | Mouser | 0,629 € | 2 | 1,258 |
| 17 | 7 | 4n7 | GRM2165C1H472JA0 1D | 0,021 | 100 | | 7 | TME | 0,021 € | 7 | 0,147 |
| 18 | 1 | 4u7 tant. | T491A475K006AT | 0,099 | 10 | | 1 | TME | 0,099 € | 1 | 0,099 |
| 19 | 1 | 1u/100V | - | | | | 1 | Mouser | 0,227 € | 1 | 0,227 |
| 20 | 2 | 470n | CL21B474KBFNNNE | 0,027 | 100 | | 2 | TME | 0,027 € | 2 | 0,053 |
| 21 | 32 | 100n | CL10B104KA8NNNC | 0,098 | 100 | | 32 | Mouser | 0,007 € | 32 | 0,224 |
| 22 | 11 | BAS316 | BAS316,115 | 0,026 | 25 | | 11 | TME | 0,026 € | 11 | 0,291 |

| # | Farnell / Element14 | | | | | | | | Digi-Key | | | Mouser | | | RS Components | | | |
|----|---------------------|-----------------------|-----------------------------|----------------------|---------|-------------------|-----------------|-----|----------------------|-----------------|-----|----------------------|-----------------|-----|---------------|-------------------|-----------------|-----|
| | Qty | Part name | Package | Reference designator | Code | Part Number | Unit price € | MOQ | Part Number | Unit price € | MOQ | Part Number | Unit price € | MOQ | Code | Part Number | Unit price € | MOQ |
| 23 | 1 | SK55 | SMB | D14 | 1299292 | SK56C | 0,608 | 1 | SK55L-TPMSCT-ND | 0,430 | 1 | 833-SK56A-LTP | 0,489 | 1 | 743-5961 | SK56B R4 | 0,443 | 10 |
| 24 | 1 | STPS15H100 | DPAK | D2 | 2344052 | STPS15H100CB-TR | 1,010 | 1 | 497-11400-5-ND | 1,070 | 1 | 511-STPS15H100CB-TR | 1,050 | 1 | 795-9075 | STPS15H100CB-TR | 1,088 | 5 |
| 25 | 2 | SKL16 | SOD-123 | D4, D5 | 2673070 | RB160MM-60TR | 0,282 | 5 | RB160MM-60CT-ND | 0,264 | 10 | 755-RB160MM-60TR | 0,233 | 10 | 124-6774 | RB160MM-60TR | 0,230 | 40 |
| 26 | 4 | SKL14 | SOD-123 | D6, D7, D9, D17 | 2760412 | PMEG4010EGWX | 0,204 | 5 | 1727-7335-1-ND | 0,243 | 10 | 841-PMEG4010EGWX | 0,188 | 10 | 153-0632 | PMEG4010EGWX | 0,078 | 100 |
| 27 | 2 | ZH32 | THT; 20x5mm fuse holder | 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 | 839-0803 | BLM18AG102SH1D | 0,043 | 100 |
| 29 | 1 | LTC3864EMSE#PBF | TSSOP-12 | IC1 | - | - | - | - | LTC3864EMSE#PBF-ND | 4,440 | 1 | 584-LTC3864EMSE#PBF | 4,360 | 1 | - | - | - | - |
| 30 | 1 | LTC2050HVCS8#PBF | SOIC-8 | IC11 | - | - | - | - | LTC2050HVCS8#PBF-ND | 2,760 | 1 | 584-LTC2050HVCS8#PBF | 2,710 | 1 | 822-6746 | LTC2050HVCS8#PBF | 2,155 | 2 |
| 31 | 1 | 74AUP1G74DC.125 | VSSOP-8 | IC12 | 2445023 | 74AUP1G74DC, 125 | 0,369 | 1 | 1727-6029-1-ND | 0,430 | 1 | 771-AUP1GDC125 | 0,419 | 1 | 813-9254 | 74AUP1G74DC, 125 | 0,408 | 20 |
| 32 | 1 | MCP23S17-E/SS | SSOP-28 | IC13 | 1467675 | MCP23S17-E/SS | 1,160 | 1 | MCP23S17-E/SS-ND | 1,210 | 1 | 579-MCP23S17-E/SS | 1,180 | 1 | 669-6452 | MCP23S17-E/SS | 1,188 | 5 |
| 33 | 1 | REF5025AIDR | SOIC-8 | IC14 | 1439622 | REF5025AIDG4 | 3,440 | 1 | 296-39165-1-ND | 2,660 | 1 | 595-REF5025AIDR | 2,540 | 1 | 404-304 | REF5025AID | 3,030 | 1 |
| 34 | 1 | TC77-5.0MCTTR | SOT23-5 | IC15 | - | - | - | - | TC77-5.0MCTTRCT-ND | 0,890 | 1 | 579-TC77-5.0MCTTR | 0,882 | 1 | 768-1549 | TC77-5.0MCTTR | 0,514 | 5 |
| 35 | 1 | DAC8552IDGKR | VSSOP-8 | IC16 | - | - | - | - | 296-46082-1-ND | 6,430 | 1 | 595-DAC8552IDGKR | 6,150 | 1 | - | - | - | - |
| 36 | 2 | SN74LVC1G3157DCKR | SC-70 | IC17, IC21 | 1470911 | SN74LVC1G3157DCKR | 0,274 | 5 | 296-14909-1-ND | 0,330 | 1 | 595-SN74LVC1G3157DCK | 0,323 | 1 | 628-2769 | SN74LVC1G3157DCKR | 0,237 | 10 |
| 37 | 1 | ADS1120IPWR | TSSOP-16 | IC18 | - | - | - | - | 296-37280-1-ND | 6,030 | 1 | 595-ADS1120IPWR | 5,760 | 1 | - | - | - | - |
| 38 | 1 | LM293D | SOIC-8 | IC19 | 2382616 | LM293DT | 0,289 | 5 | 296-12848-1-ND | 0,340 | 1 | 511-LM293DT | 0,255 | 10 | 661-2592 | LM293ADR | 0,273 | 10 |
| 39 | 1 | TPS54060DGQ | MSOP-10 | IC2 | 1710820 | TPS54060DGQ | 3,030 | 1 | 296-37148-1-ND | 2,630 | 1 | TPS54060ADGQR | 2,570 | 1 | 698-9079 | TPS54060DGQ | 2,680 | 1 |
| 40 | 1 | MAX9141ESA | SOIC-8 | IC20 | 2515004 | MAX9141ESA+ | 1,230 | 1 | MAX9141ESA+-ND | 1,090 | 1 | 700-MAX9141ESA | 0,934 | 1 | 799-8282 | MAX9141ESA+ | 1,360 | 5 |
| 41 | 2 | SI8641BB-B-IS1 | SOIC-16 | IC3, IC7 | 2423291 | SI8641BB-B-IS1 | 2,140 | 1 | 336-2566-ND | 2,230 | 1 | 634-SI8641BB-B-IS1 | 2,060 | 1 | 823-2126 | SI8641BB-B-IS1 | 2,190 | 5 |
| 42 | 1 | SN74LVC1G139DCUR | VSSOP-8 | IC4 | 2147991 | SN74LVC1G139DCUR | 0,561 | 1 | 296-18203-1-ND | 0,510 | 1 | 595-SN74LVC1G139DCUR | 0,489 | 1 | - | - | - | - |
| 43 | 1 | MC78L05 | SOIC-8 | IC5 | 2534293 | MC78L05ABDR2G | 0,324 | 1 | MC78L05ACDR2GOSCT-ND | 0,420 | 1 | 863-MC78L05ACDR2G | 0,306 | 1 | 516-6149 | MC78L05ACDG | 0,150 | 1 |
| 44 | 1 | MC79L05 | SOIC-8 | IC6 | 2534292 | MC79L05ACDR2G | 0,310 | 1 | MC79L05ABDGOS-ND | 0,350 | 1 | 863-MC79L05ACDR2G | 0,358 | 1 | 688-9313 | MC79L05ACDR2G | 0,110 | 1 |
| 45 | 1 | M24C32-WMN6P | SOIC-8 | IC8 | 1224413 | M24C32-WMN6P | 0,212 | 5 | 497-8644-1-ND | 0,210 | 1 | 511-M24C32-RMN6TP | 0,210 | 1 | 686-2453 | M24C32-WMN6P | 0,180 | 25 |
| 46 | 2 | TL072D | SOIC-8 | IC9, IC10 | 1467663 | TL072CDT | 0,358 | 5 | 296-1282-1-ND | 0,420 | 1 | 595-TL072CDR | 0,369 | 1 | 714-1082 | TL072CD | 0,071 | 20 |
| 47 | 1 | 4907 | THT, PCB terminal; 4.8mm | J1 | - | - | - | - | 36-4907-ND | 0,260 | 1 | 534-4907 | 0,257 | 1 | - | - | - | - |
| 48 | 1 | FCR7350R or BSM-420-R | THT, binding post 4 mm; red | J2 | 1854508 | FCR7350R | 6,170 | 1 | - | - | - | - | - | - | 144-1450 | SWEB 8094 Au / RT | 4,640 | 1 |

| # | TME | | | | | Price calculation for 1 set | | | | | |
|----|-----|-----------------------|--------------------|-----------------|-----|-----------------------------|-----|------------------|---------------------------|--------------|-------------|
| | Qty | Part name | Code / Part Number | Unit price € | MOQ | THT | SMD | Best Supplier | Lowest unit price € | Order Qty | Line Cost € |
| 23 | 1 | SK55 | SK55-DIO | 0,119 | 5 | | 1 | TME | 0,119 € | 1 | 0,119 |
| 24 | 1 | STPS15H100 | - | | | | 1 | Farnell | 1,010 € | 1 | 1,010 |
| 25 | 2 | SKL16 | SKL16-DIO | 0,105 | 5 | | 2 | TME | 0,105 € | 2 | 0,210 |
| 26 | 4 | SKL14 | SKL14-DIO | 0,053 | 10 | | 4 | TME | 0,053 € | 4 | 0,211 |
| 27 | 2 | ZH32 | ZH32 | 0,228 | 5 | 2 | | TME | 0,228 € | 2 | 0,456 |
| 28 | 3 | BLM18AG102SH1D | BLM18AG102SH1D | 0,016 | 50 | | 3 | TME | 0,016 € | 3 | 0,047 |
| 29 | 1 | LTC3864EMSE#PBF | - | | | | 1 | Mouser | 4,360 € | 1 | 4,360 |
| 30 | 1 | LTC2050HVCS8#PBF | - | | | | 1 | RS | 2,155 € | 1 | 2,155 |
| 31 | 1 | 74AUP1G74DC.125 | 74AUP1G74DC.125 | 0,323 | 3 | | 1 | TME | 0,323 € | 1 | 0,323 |
| 32 | 1 | MCP23S17-E/SS | MCP23S17-E/SS | 1,230 | 1 | | 1 | Farnell | 1,160 € | 1 | 1,160 |
| 33 | 1 | REF5025AIDR | - | | | | 1 | Mouser | 2,540 € | 1 | 2,540 |
| 34 | 1 | TC77-5.0MCTTR | TC77-5.0MCTTR | 0,970 | 1 | | 1 | RS | 0,514 € | 1 | 0,514 |
| 35 | 1 | DAC8552IDGKR | - | | | | 1 | Mouser | 6,150 € | 1 | 6,150 |
| 36 | 2 | SN74LVC1G3157DCKR | SN74LVC1G3157DCKR | 0,107 | 5 | | 2 | TME | 0,107 € | 2 | 0,213 |
| 37 | 1 | ADS1120IPWR | - | | | | 1 | Mouser | 5,760 € | 1 | 5,760 |
| 38 | 1 | LM293D | LM293D-ST | 0,143 | 5 | | 1 | TME | 0,143 € | 1 | 0,143 |
| 39 | 1 | TPS54060DGQ | - | | | | 1 | Mouser | 2,570 € | 1 | 2,570 |
| 40 | 1 | MAX9141ESA | - | | | | 1 | Mouser | 0,934 € | 1 | 0,934 |
| 41 | 2 | SI8641BB-B-IS1 | - | | | | 2 | Mouser | 2,060 € | 2 | 4,120 |
| 42 | 1 | SN74LVC1G139DCUR | - | | | | 1 | Mouser | 0,489 € | 1 | 0,489 |
| 43 | 1 | MC78L05 | MC78L05ACDG | 0,228 | 3 | | 1 | RS | 0,150 € | 1 | 0,150 |
| 44 | 1 | MC79L05 | MC79L05ACDG | 0,232 | 3 | | 1 | RS | 0,110 € | 1 | 0,110 |
| 45 | 1 | M24C32-WMN6P | M24C32-WMN6P | 0,165 | 3 | | 1 | TME | 0,165 € | 1 | 0,165 |
| 46 | 2 | TL072D | 1 | 0,240 | 3 | | 2 | RS | 0,071 € | 2 | 0,142 |
| 47 | 1 | 4907 | 61-1537-11/0031 | 0,049 | 10 | 1 | | TME | 0,049 € | 1 | 0,049 |
| 48 | 1 | FCR7350R or BSM-420-R | BSM-420-R | 1,426 | 1 | 1 | | TME | 1,426 € | 1 | 1,426 |

| # | Farnell / Element14 | | | | | | | | Digi-Key | | | Mouser | | | RS Components | | | |
|----|---------------------|-----------------------|---------------------------------|---|---------|--------------------|-----------------|-----|------------------------|-----------------|-----|----------------------|-----------------|-----|---------------|-------------------|-----------------|-----|
| | Qty | Part name | Package | Reference designator | Code | Part Number | Unit price € | MOQ | Part Number | Unit price € | MOQ | Part Number | Unit price € | MOQ | Code | Part Number | Unit price € | MOQ |
| 49 | 1 | FCR7350B or BSM-420-B | THT, binding post 4 mm; black | J3 | 1854507 | FCR7350B | 5,750 | 1 | - | | | - | | | 144-1451 | SWEB 8094 Au / SW | 4,640 | 1 |
| 50 | 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 | 365-0361 | G6K-2F-Y 5DC | 5,940 | 1 |
| 51 | 1 | RN112-4-02-0M7 | THT; RN112 | L1 | | | | | 817-2100-ND | 1,560 | 1 | 631-RN112-4-02-0M7 | 1,400 | 1 | - | | | |
| 52 | 1 | 125CDMCCDS-330MC | Power inductor | L2 | 2211631 | 7443551331 | 3,930 | 1 | 308-2568-1-ND | 1,510 | 1 | 851-125CDMCCDS330MC | 1,590 | 1 | - | | | |
| 53 | 1 | VLS6045AF-3R3N | Power inductor | L3 | 1741325 | IHLP2020CZER3R3M11 | 1,940 | 5 | 445-180834-1-ND | 0,510 | 1 | 810-VLS6045AF-3R3N | 0,510 | 1 | - | | | |
| 54 | 1 | WP42WUM/EGW | THT, dual (green/red) 3 mm LED | LED1 | - | | | | 754-1718-ND | 0,930 | 1 | 604-WP42WUM/EGW | 0,926 | 1 | - | | | |
| 55 | 1 | WP934MD/2LID | THT, dual (red/red) 3 mm LED | LED2 | - | | | | 754-2000-ND | 0,920 | 1 | 604-WP934MD2LID | 1,030 | 1 | - | | | |
| 56 | 1 | WP934MD/LYLID | THT, dual (yellow/red) 3 mm LED | LED3 | - | | | | 754-2008-ND | 0,990 | 1 | 604-WP934MDLYLID | 0,795 | 1 | - | | | |
| 57 | 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 | 180-7995 | SUD19P06-60-GE3 | 0,960 | 10 |
| 58 | 2 | PSMN0R9-25YLC | SOT-669 | Q10, Q11 | 1895396 | PSMN0R9-25YLC,115 | 1,300 | 5 | 1727-5292-1-ND | 1,270 | 1 | 771-PSMN0R925YLC115 | 1,320 | 1 | 798-2895 | PSMN0R9-25YLC,115 | 1,537 | 3 |
| 59 | 1 | BSS84P | SOT-23 | Q12 | 1056526 | BSS84PH6327XTS A2 | 0,224 | 5 | BSS84PH6433XTMA1CT-ND | 0,314 | 10 | 726-BSS84PH6327XTSA2 | 0,196 | 10 | - | | | |
| 60 | 1 | BTA26-600 | THT, TOP-3 | Q13 | 1057286 | BTA26-600BRG | 3,820 | 1 | 497-2427-5-ND | 3,510 | 1 | 511-BTA26-600B | 3,440 | 1 | 714-0515 | BTA26-600BRG | 3,710 | 1 |
| 61 | 1 | FMMT493TA | SOT-23 | Q14 | 2061448 | FMMT493ATA | 0,348 | 5 | FMMT493CT-ND | 0,420 | 1 | 522-FMMT493TA | 0,376 | 1 | 274-885 | FMMT493TA | 0,302 | 10 |
| 62 | 5 | 2N7002 | SOT-23 | Q15, Q16, Q17, Q23, Q27 | 1713825 | 2N7002K-7 | 0,148 | 5 | T2N7002AKLMCT-ND | 0,126 | 10 | 757-T2N7002AKLM | 0,113 | 10 | 671-0312 | 2N7002 | 1,250 | 20 |
| 63 | 1 | PSMN013-60YL | SOT-669 | Q18 | 2617064 | PSMN013-60YLY | 0,706 | 1 | 1727-2589-1-ND | 0,600 | 1 | 771-PSMN013-60YLY | 0,576 | 1 | - | | | |
| 64 | 3 | MMBT5551 | SOT-23 | Q19, Q21, Q22 | 1459109 | MMBT5551LT1G | 0,154 | 5 | MMBT5551LT1GOSCT-ND | 0,180 | 1 | 863-MMBT5551LT1G | 0,170 | 1 | 545-0400 | MMBT5551LT1G | 0,146 | 10 |
| 65 | 3 | MMBT5401 | SOT-23 | Q2, Q7, Q20 | 2533333 | MMBT5401LT3G | 0,181 | 5 | MMBT5401-FDICT-ND | 0,154 | 10 | 621-MMBT5401-F | 0,135 | 10 | 739-0546 | MMBT5401 | 0,157 | 10 |
| 66 | 2 | D45H11FP | THT, TO-220FP | Q3, Q4 | 9557164 | D45H11G | 0,865 | 1 | 497-2578-5-ND | 0,980 | 1 | 863-D45H11G | 0,742 | 1 | 545-0179 | D45H11G | 0,740 | 1 |
| 67 | 1 | FQPF11P06 | THT, TO-220FP | Q5 | - | | | | FQPF11P06FS-ND | 0,920 | 1 | 512-FQPF11P06 | 0,873 | 1 | 807-5885 | FQPF11P06 | 0,715 | 10 |
| | 0 | Option #1: FQPF27P06 | | | 2322632 | FQPF27P06 | 1,530 | 1 | FQPF27P06FS-ND | 1,380 | 1 | 512-FQPF27P06 | 1,320 | 1 | 807-5901 | FQPF27P06 | 1,363 | 1 |
| 68 | 1 | BCP56 | SOT-223 | Q6 | 2628083 | BCP56TX | 0,263 | 5 | BCP5616QTADICT-ND | 0,350 | 1 | 621-BCP5616QTA | 0,297 | 1 | 773-7633 | BCP56-16T3G | 0,138 | 10 |
| 69 | 1 | NZT605 | SOT-223 | Q8 | 2825127 | NZT605 | 0,334 | 5 | NZT605CT-ND | 0,380 | 1 | 512-NZT605 | 0,341 | 1 | 806-1268 | NZT605 | 0,284 | 25 |
| 70 | 1 | BSS205NH6327XTSA1 | SOT-23 | Q9 | 2480648 | BSS205NH6327XTSA1 | 0,257 | 5 | BSS205NH6327XTSA1CT-ND | 0,274 | 10 | BSS205NH6327XTSA1 | 0,236 | 10 | 892-2374 | BSS205NH6327XTSA1 | 0,108 | 100 |
| 71 | 2 | 750R | 0805 | R105, R110 | 2447719 | MCWR08X7500FTL | 0,010 | 10 | A126385CT-ND | 0,046 | 10 | 71-CRCW0805750RFKEB | 0,052 | 10 | 215-2298 | RN73C2A750RB | 0,666 | 5 |
| 72 | 10 | 4K7 | 0805 | R11, R27, R30, R32, R36, R70, R84, R88, R98, R100 | 2861530 | CRGCQ0805F4K7 | 0,012 | 10 | 311-4.70KCRCT-ND | 0,040 | 10 | 603-RC0805FR-074K7L | 0,027 | 10 | 223-0528 | CRG0805F4K7 | 0,023 | 50 |
| 73 | 5 | 47K | 0805 | R13, R60, R62, R65, R111 | 2447664 | MCWR08X4702FTL | 0,009 | 10 | RHM47KKCT-ND | 0,036 | 10 | 603-RC0805FR-0747KL | 0,014 | 10 | 679-1434 | CRCW080547K0FKEA | 0,036 | 50 |
| 74 | 11 | 2K2 | 0805 | R16, R33, R40, R48, R56, R57, R74, R77, R78, R80, R81 | 9237534 | RC0805FR-072K2L | 0,037 | 10 | 311-2.20KCRCT-ND | 0,039 | 10 | 603-RC0805FR-072K2L | 0,026 | 10 | 679-1207 | CRCW08052K20FKEA | 0,039 | 50 |
| 75 | 21 | 10K | 0805 | R2, R6, R17, R21, R22, R23, R24, R31, R44, R47, R52, R53, R71, R86, R87, R89, R94, R95, R99, R107, R108 | 9237755 | RC0805FR-0710KL | 0,022 | 10 | 311-10.0KCRCT-ND | 0,039 | 10 | 603-RC0805FR-0710KL | 0,014 | 10 | 125-1189 | CRG0805F10K | 0,002 | 100 |

| # | TME | | | | | Price calculation for 1 set | | | | | |
|----|-----|-----------------------|--------------------|-----------------|-----|-----------------------------|-----|------------------|---------------------------|--------------|-------------|
| | Qty | Part name | Code / Part Number | Unit price € | MOQ | THT | SMD | Best Supplier | Lowest unit price € | Order Qty | Line Cost € |
| 49 | 1 | FCR7350B or BSM-420-B | BSM-420-B | 1,860 | 1 | 1 | | TME | 1,860 € | 1 | 1,860 |
| 50 | 1 | G6K-2F-5DC | G6K-2F-5DC | 1,850 | 1 | | 1 | TME | 1,850 € | 1 | 1,850 |
| 51 | 1 | RN112-4-02-0M7 | - | | | 1 | | Mouser | 1,400 € | 1 | 1,400 |
| 52 | 1 | 125CDMCCDS-330MC | | | | | 1 | Digikey | 1,510 € | 1 | 1,510 |
| 53 | 1 | VLS6045AF-3R3N | HPI0630-3R3 | 0,335 | 1 | | 1 | TME | 0,335 € | 1 | 0,335 |
| 54 | 1 | WP42WUM/EGW | L-42WUM/1EGWT | 0,501 | 1 | 1 | | TME | 0,501 € | 1 | 0,501 |
| 55 | 1 | WP934MD/2LID | - | | | 1 | | Digikey | 0,920 € | 1 | 0,920 |
| 56 | 1 | WP934MD/LYLID | - | | | 1 | | Mouser | 0,795 € | 1 | 0,795 |
| 57 | 1 | SUD19P06-60 | SUD19P06-60-GE3 | 0,740 | 1 | | 1 | TME | 0,740 € | 1 | 0,740 |
| 58 | 2 | PSMN0R9-25YLC | PSMN0R9-25YLC.115 | 0,709 | 2 | | 2 | TME | 0,709 € | 2 | 1,418 |
| 59 | 1 | BSS84P | BSS84P | 0,060 | 10 | | 1 | TME | 0,060 € | 1 | 0,060 |
| 60 | 1 | BTA26-600 | BTA26-600BRG | 2,180 | 1 | 1 | | TME | 2,180 € | 1 | 2,180 |
| 61 | 1 | FMMT493TA | FMMT493TA | 0,125 | 10 | | 1 | TME | 0,125 € | 1 | 0,125 |
| 62 | 5 | 2N7002 | 2N7002LT1G | 0,019 | 25 | | 5 | TME | 0,019 € | 5 | 0,096 |
| 63 | 1 | PSMN013-60YL | - | | | | 1 | Mouser | 0,576 € | 1 | 0,576 |
| 64 | 3 | MMBT5551 | MMBT5551 | 0,024 | 25 | | 3 | TME | 0,024 € | 3 | 0,073 |
| 65 | 3 | MMBT5401 | MMBT5401 | 0,024 | 25 | | 3 | TME | 0,024 € | 3 | 0,071 |
| 66 | 2 | D45H11FP | D45H11 | 0,570 | 1 | 2 | | TME | 0,570 € | 2 | 1,140 |
| 67 | 1 | FQPF11P06 | - | | | 1 | | RS | 0,715 € | 1 | 0,715 |
| | 0 | Option #1: FQPF27P06 | FQPF27P06 | 0,820 | 2 | 0 | | TME | 0,820 € | 0 | 0,000 |
| 68 | 1 | BCP56 | BCP56-16T1G | 0,153 | 5 | | 1 | RS | 0,138 € | 1 | 0,138 |
| 69 | 1 | NZT605 | NZT605 | 0,222 | 5 | | 1 | TME | 0,222 € | 1 | 0,222 |
| 70 | 1 | BSS205NH6327XTSA1 | BSS205NH6327XTSA1 | 0,097 | 10 | | 1 | TME | 0,097 € | 1 | 0,097 |
| 71 | 2 | 750R | 0805S8F7500T5E | 0,015 | 100 | | 2 | Farnell | 0,010 € | 2 | 0,019 |
| 72 | 10 | 4K7 | 0805S8F4701T5E | 0,023 | 100 | | 10 | Farnell | 0,012 € | 10 | 0,117 |
| 73 | 5 | 47K | RC0805FR-0747K | 0,022 | 100 | | 5 | Farnell | 0,009 € | 5 | 0,047 |
| 74 | 11 | 2K2 | 0805S8F2201T5E | 0,022 | 100 | | 11 | TME | 0,022 € | 11 | 0,246 |
| 75 | 21 | 10K | RC0805FR-0710K | 0,022 | 100 | | 21 | RS | 0,002 € | 21 | 0,042 |

| # | Farnell / Element14 | | | | | | | | | Digi-Key | | | Mouser | | | RS Components | | | |
|-----|---------------------|--------------------|---------------------|-----------------------------------|-----------|--------------------|-----------------|-----|--|------------------------|-----------------|-----|----------------------|-----------------|-----|---------------|--------------------|-----------------|-----|
| | Qty | Part name | Package | Reference designator | Code | Part Number | Unit price € | MOQ | | Part Number | Unit price € | MOQ | Part Number | Unit price € | MOQ | Code | Part Number | Unit price € | MOQ |
| 76 | 1 | 86K6 | 0805 | R20 | 2303750RL | ERJ6ENF8662V | 0,058 | 10 | | 311-86.6KCRCT-ND | 0,036 | 10 | 603-RT0805FRE0786K6L | 0,056 | 10 | - | | | |
| 77 | 2 | 0R1/2-3W | 2512 | R25, R26 | 2828391 | MCLRP12JTWSR100 | 0,240 | 10 | | 696-1680-1-ND | 0,465 | 10 | 71-RCWE2512R100FKEA | 0,418 | 10 | 693-4394 | CRA2512-FZ-R100ELF | 0,644 | 5 |
| 78 | 1 | 2R2/2-3W | 2512 | R29 | 1265193 | 35202R2JT | 0,143 | 10 | | CRM2512-JW-2R2ELFCT-ND | 0,342 | 10 | 279-35222R2JT | 0,296 | 10 | 871-1023 | 35222R2JT | 0,449 | 10 |
| 79 | 1 | R008/2-3W | 2512 | R3 | 2828273 | MCLRP12FTWSR008 | 0,272 | 10 | | YAG2162CT-ND | 0,463 | 10 | 755-PMR100HZPFU8L00 | 0,397 | 10 | 824-0329 | CRE2512-FZ-R008E-2 | 0,498 | 10 |
| 80 | 4 | 220R | 0805 | R37, R39, R54, R115 | 1099795 | WCR0805-220RFI | 0,019 | 10 | | RMCF0805FT220RCT-ND | 0,020 | 10 | 603-RC0805FR-13220RL | 0,020 | 10 | 223-0332 | CRG0805F220R | 0,018 | 50 |
| 81 | 2 | 15R/0.75W | 1206 | R4, R49 | 2862025 | CRGCQ2010J15R | 0,076 | 10 | | A129910CT-ND | 0,196 | 10 | 603-RC2010FK-0715RL | 0,166 | 10 | 123-4428 | RK73HW2HTTE15R0F | 0,061 | 50 |
| 82 | 2 | 7K5 0.1% | 0805 | R41, R50 | 1575887 | MCTC0525B7501T5E | 0,203 | 10 | | YAG1974CT-ND | 0,265 | 10 | 279-CPF0805B7K5E1 | 0,249 | 10 | - | | | |
| 83 | 4 | 22K | 0805 | R42, R102, R103, R118 | 2447607 | MCWR08X2202FTL | 0,010 | 10 | | RMCF0805FT22K0CT-ND | 0,024 | 10 | 71-CRCW080522K0FKEAC | 0,018 | 100 | 679-1109 | CRCW080522K0FKEA | 0,034 | 50 |
| 84 | 2 | 16K | 0805 | R44, R53 | 2447578 | MCWR08X1602FTL | 0,062 | 10 | | 311-16.0KCRCT-ND | 0,036 | 10 | 603-RT0805FRE0716KL | 0,058 | 10 | 679-0920 | CRCW080516K0FKEA | 0,029 | 50 |
| 85 | 2 | 124K 0.1% | 0805 | R45, R46 | 2670132 | WF08U1243BTL | 0,025 | 10 | | P124KDACT-ND | 0,269 | 10 | 667-ERJ-PB6B1243V | 0,160 | 10 | 123-1601 | CPF0805B124KE1 | 0,223 | 10 |
| 86 | 7 | 10R | 1206 | R5, R12, R14, R15, R34, R35, R82 | 9236643 | RC1206FR-0710RL | 0,050 | 10 | | 311-10.0CRCT-ND | 0,071 | 10 | 603-RC1206FR-0710RL | 0,034 | 10 | 740-9085 | CR1206-FX-10R0ELF | 0,036 | 50 |
| 87 | 2 | 39K 0.1% | 0805 | R58, R64 | 2337828 | MCWF08R3902BTL | 0,276 | 10 | | P20774CT-ND | 0,268 | 10 | 279-CPF0805B39KE1 | 0,122 | 10 | 866-7418 | CPF-A-0805B39KE1 | 0,343 | 10 |
| 88 | 2 | 820R 0.1% | 0805 | R59, R68 | 2338010 | MCWF08R8200BTL | 0,276 | 10 | | YAG1979CT-ND | 0,262 | 10 | 603-RT0805BRD07820RL | 0,196 | 10 | 866-7484 | CPF-A-0805B820RE1 | 0,265 | 10 |
| 89 | 2 | 1R | 1206 | R61, R109 | 2447479 | MCWR12W1R00FTL | 0,017 | 10 | | RNCP1206FTD1R00 | 0,093 | 10 | 756-GWCR1206-1R0FT5 | 0,022 | 25 | 794-4180 | CRL1206-FW-1R00ELF | 0,054 | 10 |
| 90 | 1 | 8K2 | 0805 | R63 | 2447732 | MCWR08X8201FTL | 0,008 | 10 | | 311-8.20KCRCT-ND | 0,040 | 10 | 652-CR0805FX-8201ELF | 0,014 | 10 | 223-0556 | CRG0805F8K2 | 0,021 | 10 |
| 91 | 2 | 3K3 | 0805 | R66, R106 | 2447651 | MCWR08X3301FTL | 0,008 | 10 | | A129755CT-ND | 0,048 | 10 | 652-CR0805FX-3301ELF | 0,014 | 10 | 223-0499 | CRG0805F3K3 | 0,027 | 50 |
| 92 | 1 | 0R010 | 2512, low TCR | R67 | 2808330 | GMR100HTBFA10L0 | 1,130 | 5 | | 511-1686-1-ND | 1,350 | 1 | 755-GMR100HTBFA10L0 | 1,080 | 1 | - | | | |
| 93 | 7 | 100K | 0805 | R7, R10, R18, R55, R72, R96, R114 | 2447551 | MCWR08X1003FTL | 0,010 | 10 | | RMCF0805FT100KCT-ND | 0,024 | 10 | 71-CRCW0805100KFKEAC | 0,040 | 10 | 223-0691 | CRG0805F100K | 0,028 | 50 |
| 94 | 1 | 270R | 0805 | R73 | 2073716 | MCMR08X271 JTL | 0,009 | 10 | | RMCF0805FT270RCT-ND | 0,025 | 10 | 652-CR0805FX-2700ELF | 0,013 | 10 | 223-0348 | CRG0805F270R | 0,025 | 50 |
| 95 | 6 | 470R | 0805 | R75, R76, R79, R85, R113, R116 | 1099798 | WCR0805-470RFI | 0,019 | 10 | | 311-470CRCT-ND | 0,039 | 10 | 71-CRCW0805470RFKEB | 0,041 | 10 | 223-0376 | CRG0805F470R | 0,021 | 50 |
| 96 | 6 | 1K | 0805 | R8, R38, R43, R69, R91, R101 | 1099800 | WCR0805-1K0FI | 0,019 | 10 | | RC0805FR-071KL | 0,039 | 10 | 603-RC0805FR-071KL | 0,015 | 10 | 223-0427 | CRG0805F1K0 | 0,017 | 50 |
| 97 | 5 | 330R | 0805 | R83, R90, R92, R104, R112 | 2695037 | MCWR08X331 JTL | 0,009 | 10 | | A129743CT-ND | 0,045 | 10 | 652-CR0805FX-3300ELF | 0,013 | 10 | 223-0354 | CRG0805F330R | 0,040 | 50 |
| 98 | 2 | 330K | 0805 | R9, R19 | 2447637 | MCWR08X3303FTL | 0,010 | 10 | | A126361CT-ND | 0,046 | 10 | 652-CR0805FX-3303ELF | 0,013 | 10 | 679-1272 | CRCW0805330KFKEA | 0,038 | 50 |
| 99 | 1 | AC01000001007JA100 | THT; power resistor | R93 | 1735022 | AC01000001007JA100 | 0,441 | 1 | | PPC1W.10CT-ND | 0,500 | 1 | 594-AC01W0R100J | 0,349 | 1 | 846-9836 | AC01000001007JA100 | 0,350 | 1 |
| 100 | 1 | 6R2 | 0805 | R97 | 2447714 | MCWR08W6R20FTL | 0,012 | 10 | | 311-6.20CRCT-ND | 0,070 | 10 | 603-RC0805FR-076R2L | 0,020 | 10 | - | | | |

| # | TME | | | | | Price calculation for 1 set | | | | | |
|-----|-----|--------------------|------------------------|-----------------|-----|-----------------------------|-----|------------------|---------------------------|--------------|-------------|
| | Qty | Part name | Code / Part Number | Unit price € | MOQ | THT | SMD | Best Supplier | Lowest unit price € | Order Qty | Line Cost € |
| 76 | 1 | 86K6 | CRCW080586K6FKTA BC | 0,025 | 100 | | 1 | TME | 0,025 € | 1 | 0,025 |
| 77 | 2 | 0R1/2-3W | LRP12FTDRR100 | 0,155 | 10 | | 2 | TME | 0,155 € | 2 | 0,310 |
| 78 | 1 | 2R2/2-3W | WF25P2R2JTL | 0,043 | 50 | | 1 | TME | 0,043 € | 1 | 0,043 |
| 79 | 1 | R008/2-3W | LRP12FTWRR008 | 0,149 | 10 | | 1 | TME | 0,149 € | 1 | 0,149 |
| 80 | 4 | 220R | 0805S8F2200T5E | 0,022 | 100 | | 4 | RS | 0,018 € | 4 | 0,072 |
| 81 | 2 | 15R/0.75W | 201007J0150T4E | 0,025 | 100 | | 2 | TME | 0,025 € | 2 | 0,049 |
| 82 | 2 | 7K5 0.1% | AR05BTCW7501 | 0,105 | 10 | | 2 | TME | 0,105 € | 2 | 0,210 |
| 83 | 4 | 22K | 0805S8J0223T5E | 0,013 | 100 | | 4 | Farnell | 0,010 € | 4 | 0,039 |
| 84 | 2 | 16K | 0805S8F1602T5E | 0,015 | 100 | | 2 | TME | 0,015 € | 2 | 0,030 |
| 85 | 2 | 124K 0.1% | ERA6AEB1243V | 0,090 | 10 | | 2 | Farnell | 0,025 € | 2 | 0,050 |
| 86 | 7 | 10R | 1206S4J0100T5E | 0,012 | 100 | | 7 | TME | 0,012 € | 7 | 0,087 |
| 87 | 2 | 39K 0.1% | AR05BTCW3902 | 0,105 | 10 | | 2 | TME | 0,105 € | 2 | 0,211 |
| 88 | 2 | 820R 0.1% | AR05BTCW8200 | 0,105 | 10 | | 2 | TME | 0,105 € | 2 | 0,211 |
| 89 | 2 | 1R | CQ06S4J010JT5E | 0,012 | 100 | | 2 | TME | 0,012 € | 2 | 0,023 |
| 90 | 1 | 8K2 | 0805S8J0822T5E | 0,013 | 100 | | 1 | Farnell | 0,008 € | 1 | 0,008 |
| 91 | 2 | 3K3 | 0805S8F3301T5E | 0,015 | 100 | | 2 | Farnell | 0,008 € | 2 | 0,016 |
| 92 | 1 | 0R010 | - | | | | 1 | Mouser | 1,080 € | 1 | 1,080 |
| 93 | 7 | 100K | 0805S8F1003T5E | 0,015 | 100 | | 7 | Farnell | 0,010 € | 7 | 0,068 |
| 94 | 1 | 270R | 0805S8F2700T5E | 0,023 | 100 | | 1 | Farnell | 0,009 € | 1 | 0,009 |
| 95 | 6 | 470R | RC0805FR-07470R | 0,022 | 100 | | 6 | Farnell | 0,019 € | 6 | 0,113 |
| 96 | 6 | 1K | RC0805FR-071K | 0,022 | 100 | | 6 | Mouser | 0,015 € | 6 | 0,090 |
| 97 | 5 | 330R | 0805S8F3300T5E | 0,015 | 100 | | 5 | Farnell | 0,009 € | 5 | 0,047 |
| 98 | 2 | 330K | 0805S8F3303T5E | 0,015 | 100 | | 2 | Farnell | 0,010 € | 2 | 0,020 |
| 99 | 1 | AC01000001007JA100 | - | | | | 1 | Mouser | 0,349 € | 1 | 0,349 |
| 100 | 1 | 6R2 | RC0805JR-076R2 | 0,034 | 100 | | 1 | Farnell | 0,012 € | 1 | 0,012 |

| # | Qty | Part name | Package | Reference designator | Code | Farnell / Element14 | | | Digi-Key | | | Mouser | | | RS Components | | | |
|-----|-----|----------------|--|----------------------|---------|---------------------|--------------|-----|----------------------|--------------|-----|--------------------|--------------|-----|---------------|-------------------|--------------|-----|
| | | | | | | Part Number | Unit price € | MOQ | Part Number | Unit price € | MOQ | Part Number | Unit price € | MOQ | Code | Part Number | Unit price € | MOQ |
| 101 | 2 | DR1206-33R-4/8 | 1206 resistor array | RN1, RN2 | 1770128 | CAY16-330J4LF | 0,069 | 10 | CAY16-330J4LFCT-ND | 0,090 | 1 | 652-CAY16-330J4LF | 0,085 | 1 | 522-5670 | CAY16-330J4LF | 0,004 | 50 |
| 102 | 1 | SRF0703-821M | 0703 | TR1 | 1852832 | SRF0703-821M | 0,827 | 1 | SRF0703-821MCT-ND | 0,900 | 1 | 652-SRF0703-821M | 0,681 | 1 | - | | | |
| 103 | 1 | 39-30-1020 | THT, Minifit Jr. 2-pin, right angle | X1 | 9963367 | 39-30-1020 | 0,408 | 10 | WM1351-ND | 0,510 | 1 | 538-39-30-1020 | 0,498 | 1 | 510-9837 | 39-30-1020 | 0,352 | 5 |
| 104 | 1 | 77317-104-20LF | THT, 20-pin 0.1" header right angled | X2 | - | | | | S2111EC-10-ND | 0,820 | 1 | 649-77317-104-20LF | 1,220 | 1 | - | | | |
| 105 | 1 | 691322110005 | THT; Pluggable Terminal Blocks; 3.5mm; 5-pin | X3 | 2493680 | CTB932HD/5 | 0,373 | 10 | 732-2772-ND | 1,010 | 1 | 710-691322110005 | 1,000 | 1 | 824-6642 | 691322110005 | 0,960 | 1 |
| 106 | 1 | DS1024-2*10R0 | THT, 20-pin 0.1" receptacle right angled | X4 | 1668376 | SSW-110-02-G-D-RA | 2,640 | 1 | SAM10030-ND | 1,770 | 1 | 200-SSW11002TDRA | 1,750 | 1 | 180-0986 | SSW-110-02-T-D-RA | 2,100 | 1 |
| 107 | 2 | SMAJ51A | SMA | ZD1, ZD5 | 2677667 | SMAJ51A | 0,144 | 5 | SMAJ51ALFCT-ND | 0,370 | 1 | 652-SMAJ51A | 0,463 | 1 | 171-4238 | SMAJ51A | 0,320 | 25 |
| 108 | 1 | MM3Z9V1T1G | SOD-323 | ZD2 | 2463517 | MM3Z9V1T1G | 0,124 | 5 | MM3Z9V1T1GO SCT-ND | 0,120 | 1 | 863-MM3Z9V1T1G | 0,108 | 10 | 802-4653 | MM3Z9V1T1G | 0,039 | 200 |
| 109 | 1 | SLVU2.8-TP | TVS, SOT-23 | ZD3 | 2749173 | SLVU2.8HTG | 0,929 | 5 | SLVU2.8-TPMSCT-ND | 0,690 | 1 | 833-SLVU2.8-TP | 0,664 | 1 | 793-1942 | SLVU2.8HTG | 1,000 | 5 |
| 110 | 1 | MMSZ5230BT1G | SOD-123 | ZD4 | 1431272 | MMSZ5230BT1G | 0,177 | 10 | MMSZ5230BT1G OSCT-ND | 0,148 | 10 | 863-MMSZ5230BT1G | 0,170 | 10 | 545-3033 | MMSZ5230BT1G | 0,173 | 20 |

| Not installed | | | | | | | | | | | | | | | | | | |
|---------------|------|----------|--|------------------------------|---------|---------------------|-------|----|---------------|-------|----|-----------------------|-------|----|----------|-------------------|-------|----|
| 1 | N.C. | 0805 | | C14 | | | | | | | | | | | | | | |
| 1 | N.C. | 0805 | | C40 | 1759217 | MC0805N471J500 CT | 0,061 | 10 | 732-7837-1-ND | 0,059 | 10 | 710-885012007038 | 0,056 | 10 | 378-700 | 0805CG471J9B B | 0,040 | 25 |
| 6 | N.C. | 0805 | | C43, C44, C45, C62, C95, C96 | | | | | | | | | | | | | | |
| 1 | N.C. | 0805 | | C84 | 2896566 | VJ0805Y105KXXT W1BC | 0,084 | 5 | 587-1283-1-ND | 0,090 | 10 | 603-CC805MKX7R7B B105 | 0,062 | 10 | 451-5770 | C0805C105K4R ACTU | 0,028 | 25 |
| 1 | N.C. | 0805 | | C86 | | | | | | | | | | | | | | |
| 1 | N.C. | ECAP2G/5 | | C94 | | | | | | | | | | | | | | |
| 1 | N.C. | SOD-123 | | D8 | | | | | | | | | | | | | | |
| 1 | N.C. | 2512 | | R1 | 2081875 | ASC2512-4K7FT4 | 0,195 | 10 | A130729CT-ND | 0,331 | 10 | 279-CRGP2512F4K7 | 0,180 | 10 | 224-0424 | 35204K7JT | 1,370 | 10 |
| 2 | N.C. | 0805 | | R28, R51 | | | | | | | | | | | | | | |

| Related parts and accessories | | | | | | | | | | | | | | | | | | |
|-------------------------------|-------------|---|----------|---------|-----------------|--------|---|--------------|--------|---|----------------|--------|---|----------|-------------|--------|---|--|
| 2 | PMB-1 | PCB bracket; polyamide | KK1, KK2 | - | | | | | - | | | - | | | | | | |
| 1 | SK96/84/SA | Heatsink 84 x 55 x 28 mm | KK3 | - | | | | | - | | | - | | | | | | |
| 2 | B3X5/BN661 | Screw; M3x5; countersunk; Phillips; A2 stainless steel | | | | | | | | | | | | | | | | |
| 2 | M3X5/D7985 | Screw; M3x5; cheese head; Phillips for PCB brackets | | - | | | | | - | | | - | | | | | | |
| 5 | M3X8/D7985B | Screw; M3x8; cheese head; black; Phillips for heatsink and TO-220 parts | | - | | | | | - | | | - | | | | | | |
| 3 | B3/BN789 | Washer; externally serrated; M3; D=6mm; h=0.4mm | | - | | | | | - | | | - | | | | | | |
| 2 | 522.725 | 20 x 5 mm, 6.3A fuse; time lag; ceramic | | | | | | | | | | | | | | | | |
| 1 | LRS-150F-48 | Mean Well 48 Vdc power module | | 2815982 | LRS-150F-48 | 21,150 | 1 | 1866-3328-ND | 23,460 | 1 | 709-LRS150F-48 | 23,330 | 1 | 106-5854 | LRS-150F-48 | 21,730 | 1 | |
| 1 | TBC-07 | Terminal cover for Mean Well power module | | - | | | | 1866-4907-ND | 0,260 | 1 | 709-TBC-07 | 0,292 | 1 | - | | | | |
| 1 | ICKSMDB13SA | Heatsink extruded black; 13 x 19mm x 4.8mm; 29K/W | | 4302254 | ICK SMD B 13 SA | 0,920 | 5 | - | | | - | | | - | | | | |

| # | TME | | | | | Price calculation for 1 set | | | | | | |
|-----|-----|----------------|--------------------|-----------------|-----|-----------------------------|-----|------------------|---------------------------|--------------|-------------|---------|
| | Qty | Part name | Code / Part Number | Unit price € | MOQ | THT | SMD | Best Supplier | Lowest unit price € | Order Qty | Line Cost € | |
| 101 | 2 | DR1206-33R-4/8 | DR1206-33R-4/8 | 0,009 | 100 | | 2 | RS | 0,004 € | 2 | 0,008 | |
| 102 | 1 | SRF0703-821M | - | | | | 1 | Mouser | 0,681 € | 1 | 0,681 | |
| 103 | 1 | 39-30-1020 | MX-39-30-1020 | 0,339 | 5 | 1 | | TME | 0,339 € | 1 | 0,339 | |
| 104 | 1 | 77317-104-20LF | ZL212-20KG | 0,140 | 5 | 1 | | TME | 0,140 € | 1 | 0,140 | |
| 105 | 1 | 691322110005 | - | | | 1 | | Farnell | 0,373 € | 1 | 0,373 | |
| 106 | 1 | DS1024-2*10R0 | ZL263-20DG | 0,335 | 2 | 1 | | TME | 0,335 € | 1 | 0,335 | |
| 107 | 2 | SMAJ51A | SMAJ51A-LF | 0,201 | 3 | | 2 | Farnell | 0,144 € | 2 | 0,288 | |
| 108 | 1 | MM3Z9V1T1G | MM3Z9V1T1G | 0,020 | 25 | | 1 | TME | 0,020 € | 1 | 0,020 | |
| 109 | 1 | SLVU2.8-TP | - | | | | 1 | Mouser | 0,664 € | 1 | 0,664 | |
| 110 | 1 | MMSZ5230BT1G | MMSZ5230BT1G | 0,033 | 25 | | 1 | TME | 0,033 € | 1 | 0,033 | |
| | | | | | | 18 | 271 | | | | | 65,13 € |

| Not installed | | | | | | | | | | | |
|---------------|------|------------------|--|-------|-----|--|---|---------|---------|---|-------|
| 1 | N.C. | | | | | | 1 | Farnell | 0,000 € | 1 | 0,000 |
| 1 | N.C. | CC0805JRNPO9BN47 | | 0,024 | 100 | | 1 | TME | 0,024 € | 1 | 0,024 |
| 6 | N.C. | 1 | | | | | 6 | Farnell | 0,000 € | 6 | 0,000 |
| 1 | N.C. | CL21B105KOFNNNE | | 0,010 | 100 | | 1 | TME | 0,010 € | 1 | 0,010 |
| 1 | N.C. | | | | | | 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 |
| 1 | N.C. | CRCW25124K70FKTH | | 0,113 | 10 | | 1 | TME | 0,113 € | 1 | 0,113 |
| 2 | N.C. | BC | | | | | | | | | |

| Related parts and acces: | | | | | | | | | | | |
|--------------------------|-------------|-------------|--|--------|-----|--|--|---------|----------|---|--------|
| 2 | PMB-1 | PMB-1 | | 0,072 | 10 | | | TME | 0,072 € | 2 | 0,145 |
| 1 | SK96/84/SA | SK96/84SA | | 2,360 | 1 | | | TME | 2,360 € | 1 | 2,360 |
| 2 | B3X5/BN661 | B3X5/BN661 | | 0,015 | 100 | | | TME | 0,015 € | 2 | 0,029 |
| 2 | M3X5/D7985 | M3X5/D7985 | | 0,012 | 100 | | | TME | 0,012 € | 2 | 0,024 |
| 5 | M3X8/D7985B | M3X8/D7985B | | 0,018 | 100 | | | TME | 0,018 € | 5 | 0,089 |
| 3 | B3/BN789 | B3/BN789 | | 0,010 | 100 | | | TME | 0,010 € | 3 | 0,030 |
| 2 | 522.725 | ZCT-6.3A | | 0,152 | 10 | | | TME | 0,152 € | 2 | 0,304 |
| 1 | LRS-150F-48 | 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 |
| 1 | ICKSMDB13SA | ICKSMDB13SA | | 0,570 | 2 | | | TME | 0,570 € | 1 | 0,570 |

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

Custom made components

1 PCB 2-layer 180 x 95 mm, 1 oz. Cu - thickness

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.

| # | TME | | | | | Price calculation for 1 set | | | | | |
|----------------------|-----|-----------|--------------------|-----------------|-----|-----------------------------|-----|------------------|---------------------------|--------------|-------------|
| | Qty | Part name | Code / Part Number | Unit price € | MOQ | THT | SMD | Best Supplier | Lowest unit price € | Order Qty | Line Cost € |
| | | | | | | | | | | | 19,46 € |
| Custom made componer | | | | | | | | | | | |
| 1 | PCB | | | | | | | ALLPCB | 8,829 € | 1 | 8,829 |
| | | | | | | | | | | | 8,83 € |
| Total | | | | | | | | | | | 93,42 € |