| | Farnell / Element14 | | | | 14 | Digi-Ke | ;y | Mouse | Mouser | | | |
|----|---------------------|----------------|-------------------------|---|---------|------------------------|----------------|-------------------------------------|----------------|------------------------------|-----------------|-----|
| # | Qty | Part name | Package | Reference designator | Code | Part Number | Unit price MOC | Part Number | Unit price MO0 | Part Number | Unit price € | MOQ |
| 1 | 2 | 1u | 0603, 16V | C1, C9 | 3013421 | CL10B105MO8NN WC | 0,026 10 | 1276-1019-1-ND | 0,039 10 | 80- C0603C105K4R | 0,036 | 10 |
| 2 | 1 | 8n2 | 0603 | C17 | 1759101 | MC0603B822K500 CT | 0,038 10 | 311-1811-1-ND | 0,060 10 | 603- CC603KRX7R9B B822 | 0,032 | 10 |
| 3 | 2 | 1n | 0603 | C2, C10 | 2627426 | MC0603B102K250 CT | 0,009 10 | 1276-1018-1-ND | 0,026 10 | 80- C0603C102J5RA C | 0,021 | 10 |
| 4 | 3 | 10u | 1206 | C20, C34, C64 | 3013485 | CL21B106KOQNN NE | 0,262 10 | 1276-2872-1-ND | 0,207 10 | 810- CGA4J1X7S1C1 06KA | 0,144 | 1 |
| 5 | 8 | 1u | 0805 | C23, C25, C27, C48, C49, C54, C59, C60 | 2495193 | 885012207078 | 0,139 5 | 1276-1066-1-ND | 0,070 10 | 963- TMK212B7105K G-T | 0,050 | 10 |
| 6 | 19 | 100n | 0603 | C3, C4, C11, C12, C18, C19, C21, C22, C26, C28, C46, C47, C55, C56, C57, C58, C61, C62, C63 | 2522597 | C0603C104K4RAC 7081 | 0,073 10 | 490-4774-1-ND | 0,090 100 | 80- C0603C104M4R | 0,085 | 100 |
| 7 | 1 | 22u | 1206 | C33 | 2320935 | MC1210X226K250 CT | 1,490 1 | 1276-3373-1-ND | 0,369 10 | 603- CC121KKX7R8B B226 | 0,777 | 10 |
| 8 | 4 | 1n | 1206, 50V | C5, C8, C13, C16 | 2773295 | C1206C102M5RA CTU | 0,059 10 | 732-8115-1-ND | 0,071 10 | 710- 885012208075 | 0,073 | 10 |
| 9 | 2 | 1u | 1206, 50V | C6, C14 | 3013524 | CL31B105KBHNN NE | 0,144 5 | 1276-3091-1-ND | 0,092 10 | CL31B105KBHN FNE | 0,051 | 10 |
| 10 | 2 | 100n | 1206, 50V | C7, C15 | 1414715 | C1206C104K5RAC TU | 0,053 10 | 399- C1206C104K5R AC7800CT-ND | 0,066 10 | 80- C1206C104K5R ACLR | 0,045 | 10 |
| 11 | 2 | BAV199,235 | | D1, D10 | 2319137 | BAV199,215 | 0,185 5 | 1727-6382-1-ND | 0,145 10 | 771-BAV199235 | 0,146 | 10 |
| 12 | 8 | SA2M-E3/61T | SMA | D2, D3, D4, D5, D6, D7, D8, D9 | 2335163 | SA2M-E3/61T | 0,261 10 | CSA2M-E3/ IGICT-ND | 0,223 10 | 78-CSA2M-E3/H | 0,202 | 10 |
| 13 | | ZH32 | THT; 20x5mm fuse holder | F1, F2, F4, F5 | - | | | - | | - | | |
| 14 | 1 | SN005-60 | 1206 | F3 | 3103210 | 1206L005/60WR | 0,771 1 | F8129CT-ND | 0,460 1 | 576- 1206L005/60WR | 0,440 | 1 |
| 15 | 1 | AMC3330QDWERQ1 | SOIC-16 Wide | IC1 | - | | | 296- AMC3330DWER CT-ND | 8,980 1 | 595- AMC3330DWE | 9,750 | 1 |
| 16 | 1 | ADS131E04IPAGR | TQFP-64 | IC11 | 3123346 | ADS131E04IPAG | 13,450 1 | 296-34885-1-ND | 7,560 1 | 595- ADS131E04IPAG R | 8,430 | 1 |
| 17 | | TPS71725DCKR | SC70-5 | IC12 | 2348004 | TPS71725DCKR. | 0,982 1 | 296-21525-1-ND | 0,890 1 | 595- TPS71725DCKR | 0,889 | |
| 18 | 1 | TPS72325DBVR | SOT-23-5 | IC13 | 3007843 | TPS72325DBVR | 2,690 1 | 296-39479-1-ND | 2,300 1 | 595- TPS72325DBVR | 2,310 | 1 |
| 19 | 1 | ULN2803ADWR | SOIC-18 | IC2 | 3125103 | ULN2803ADWR | 1,120 5 | 296-15777-1-ND | 1,090 1 | 595- ULN2803ADWR | 1,090 | 1 |
| 20 | 1 | AMC3301DWER | SOIC-16 Wide | IC3 | - | | | 296- AMC3301QDWE RQ1CT-ND | 9,340 1 | 595- AMC3301DWER | 9,220 | 1 |
| 21 | 1 | MCP6004T-I/ST | TSSOP-14 | IC4 | - | | | - | | 579-MCP6004T- I/ST | 0,373 | 1 |

| | | | | | TME | | 0.7.11.00 | _ 0,000 | | | ice calculat | tion for | or 1 set | | |
|----|-----|----------------|----------|--------------------------|-----------------|-----|------------------------|-----------------|-----|-----|--------------|------------------|-----------------|-------|-------------|
| # | | | | RS Compone | | | | | | | | | Lowest | Order | 1 501 |
| | Qty | Part name | Code | Part Number | Unit price € | MOQ | Code / Part Number | Unit price € | MOQ | THT | SMD | Best Supplier | unit price € | Qty | Line Cost € |
| 1 | 2 | 1u | 144-7375 | CGA3E1X7R1C 105M080AC | 0,029 | 100 | CL10B105KO8NNNC | 0,014 | 100 | | 2 | TME | 0,014 € | 2 | 0,027 |
| 2 | 1 | 8n2 | - | | | | C0603C822K5RACTU | 0,026 | 100 | | 1 | TME | 0,026 € | 1 | 0,026 |
| 3 | 2 | 1n | 135-6565 | 06031C102KAZ 2A | 0,014 | 100 | VJ0603Y102KXACW1 BC | 0,010 | 100 | | 2 | Farnell | 0,009€ | 2 | 0,018 |
| 4 | 3 | 10u | 184-3969 | EMK212BB7106 MG-T | 0,233 | 50 | CL21A106KOQNNNG | 0,034 | 100 | | 3 | TME | 0,034 € | 3 | 0,103 |
| 5 | 8 | 1u | 378-665 | 08052R104K8B B | 0,038 | 25 | VJ0805Y105KXXTW1 BC | 0,014 | 100 | | 8 | TME | 0,014€ | 8 | 0,116 |
| 6 | 19 | 100n | 264-4630 | C0603C104K4R ACTU | 0,035 | 25 | CL10B104KA8NNNC | 0,098 | 100 | | 19 | RS | 0,035€ | 19 | 0,665 |
| 7 | 1 | 22u | 766-1182 | CL32A226KAJN NNE | 0,343 | 10 | CL32A226KAJNNNE | 0,158 | 10 | | 1 | TME | 0,158 € | 1 | 0,158 |
| 8 | 4 | 1n | 669-8420 | CC1206KRX7R9 BB102 | 0,102 | 25 | CL31B102KBCNNNC | 0,027 | 100 | | 4 | TME | 0,027 € | 4 | 0,110 |
| 9 | 2 | 1u | 766-1141 | CL31B105KBHN NNF | 0,052 | 100 | CC1206KKX7R9105 | 0,047 | 100 | | 2 | TME | 0,047 € | 2 | 0,095 |
| 10 | 2 | 100n | 391-214 | 12065C104KAT 2A | 0,082 | 50 | 1206B104K500CT | 0,019 | 100 | | 2 | TME | 0,019€ | 2 | 0,038 |
| 11 | 2 | BAV199,235 | 751-3437 | BAV199DW-7-F | 0,232 | 25 | BAV199.215 | 0,035 | 20 | | 2 | TME | 0,035€ | 2 | 0,070 |
| 12 | 8 | SA2M-E3/61T | 812-9275 | SA2M-E3/5AT | 0,116 | 100 | SA2M-E3/61T | 0,050 | 50 | | 8 | TME | 0,050 € | | 0,397 |
| 13 | 4 | | - | | | | ZH32 | 0,228 | 5 | 4 | | TME | 0,228 € | | 0,912 |
| 14 | 1 | SN005-60 | - | | | | SN005-60 | 0,075 | 10 | | 1 | TME | 0,075€ | 1 | 0,075 |
| 15 | 1 | AMC3330QDWERQ1 | - | | | | - | | | | 1 | Digikey | 8,980 € | 1 | 8,980 |
| 16 | 1 | ADS131E04IPAGR | 817-5705 | ADS131E04IPA G | 6,050 | 1 | - | | | | 1 | RS | 6,050€ | 1 | 6,050 |
| 17 | 1 | TPS71725DCKR | - | | | | - | | | | 1 | Mouser | 0,889€ | 1 | 0,889 |
| 18 | 1 | TPS72325DBVR | - | | | | - | | | | 1 | Digikey | 2,300 € | 1 | 2,300 |
| 19 | 1 | ULN2803ADWR | 646-6311 | ULN2803ADW | 1,336 | 1 | ULN2803ADWR | 0,866 | 1 | | 1 | TME | 0,866 € | 1 | 0,866 |
| 20 | 1 | AMC3301DWER | - | | | | - | | | | 1 | Mouser | 9,220€ | 1 | 9,220 |
| 21 | 1 | MCP6004T-I/ST | - | | | | - | | | | 1 | Mouser | 0,373 € | 1 | 0,373 |

| | | | | | | Farnell / Element | 14 | Digi-Ke | у | Mouse | r | |
|----|-----|-------------------|--|-------------------------|---------|-----------------------|----------------|-----------------------------------|---------------|-------------------------------|-----------------|-----|
| # | Qty | Part name | Package | Reference designator | Code | Part Number | Unit price MOQ | Part Number | Unit price M0 | Q Part Number | Unit price € | MOQ |
| 22 | 2 | DG212BDY-T1-E3 | SOIC-16 | IC5, IC7 | 1469429 | DG212BDY-T1-E3 | 1,820 1 | DG212BDY-T1- E3CT-ND | 1,550 | 781-DG212BDY- T1-E3 | 1,470 | 1 |
| 23 | 1 | MCP6001RT-I/OT | SOT-23-5 | IC6 | 8540829 | MCP6001RT-I/OT | 0,219 1 | MCP6001RT-I/ OTCT-ND | 0,200 | 579- MCP6001RT-I/ OT | 0,203 | 1 |
| 24 | 2 | RT424F05 | THT; DPDT Latching relay | ISEL10A_1, ISEL10A_2 | 3406968 | RT424F05 | 6,450 1 | PB2024-ND | 6,370 | 655-5-1393243-2 | 6,380 | 1 |
| 25 | 1 | EE2-5TNU-L | DPDT Latching relay, Gull Wing Lead | ISEL1A_1 | 2360813 | EE2-5TNU-L | 1,900 1 | 399-11021-1-ND | 2,110 | 80-EE2-5TNU-L | 2,120 | 1 |
| 26 | 2 | MLZ1608N100LT000 | 0603 | L1, L3 | 2564062 | MLZ1608N100LT0 00 | 0,167 10 | 445-6755-1-ND | 0,111 1 | 810- MLZ1608N100LT 000 | 0,086 | 10 |
| 27 | 1 | DLW21SN371SQ2L | 0805 | L2 | - | | | 490-5141-1-ND | 0,410 1 |) 81- DLW21SN371SC 2L | 0,484 | 10 |
| 28 | 2 | BLM18AG102SH1D | 0603 | L1, L2 | 3471092 | BLM18AG102SH1 D | 0,032 10 | 490-7809-1-ND | 0,070 1 | 81- BLM18AG102SH 1D | 0,051 | 10 |
| 29 | 3 | VOR1142B4 | SMD DIP-4 | OK1, OK2, OK3 | 2889672 | VOR1142B4 | 1,660 1 | VOR1142B4-ND | 1,420 | 78-VOR1142B4 | 1,420 | 1 |
| 30 | 2 | CPC3902ZTR | SOT-223 | Q1, Q2 | - | | | CLA4156-1-ND | 0,570 | 849- CPC3902ZTR | 0,576 | 1 |
| 31 | 2 | BSS214NH6327XTSA1 | SOT-23 | Q3, Q4 | 2480650 | BSS214NH6327XT SA1 | 0,408 5 | BSS214NH6327 XTSA1CT-ND | 0,255 1 | 726- BSS214NH6327 | 0,224 | 10 |
| 32 | 3 | 1M5 0.1% | 1206 | R1, R3, R5 | - | | | RG3216P-1504- B-T1 | 0,351 1 | 1504B-T1 | 0,263 | 10 |
| 33 | 5 | 10R | 0805 | R10, R12, R13, R53, R54 | 2447556 | MCWR08X10R0FT L | 0,009 10 | 2019- RK73H2ATTD10 R0FCT-ND | 0,029 1 | 0 652-CR0805FX- 10R0ELF | 0,012 | 10 |
| 34 | 2 | GMR100HTBFA10L0 | 2512, low TCR (max. ±25ppm/°C) | R11, R35 | 2808330 | GMR100HTBFA10 L0 | 1,130 5 | 511-1686-1-ND | 1,350 | 755- GMR100HTBFA1 0L0 | | 1 |
| 35 | 2 | 33R 0.1% | 1206, low TCR (max. ±25ppm/°C) | R15, R30 | - | | | 13- RT1206BRD0733 RLCT-ND | 0,394 1 | 0 603- RT1206BRD0733 RL | 0,266 | 10 |
| 36 | 2 | 49K9 | 1206 | R17, R18 | 2908458 | CR1206-FX- 4992ELF | 0,040 10 | RNCP1206FTD4 9K9CT-ND | 0,068 1 | 791- MR12X4992FTL | 0,013 | 10 |
| 37 | 3 | 100K | 1206 | R19, R31, R36 | 2447551 | MCWR08X1003FT L | 0,010 10 | RMCF0805FT10 0KCT-ND | 0,024 1 | 71- CRCW0805100K FKEAC | 0,040 | 10 |
| 38 | 3 | 470R | 0805 | R2, R14, R16 | 1099798 | WCR0805-470RFI | 0,019 10 | 311-470CRCT- ND | 0,039 1 | 71- CRCW0805470R FKEB | 0,041 | 10 |
| 39 | 2 | 4M7 0.1% | 1206 | R20, R21 | - | | | 408-2037-1-ND | 0,413 1 | 754-RG3216P- 4704B-T1 | 0,356 | 10 |
| 40 | 3 | 100K 0.1% | 1206 | R22, R25, R39 | 1717738 | ERA8AEB101V | • | RG32P100KBCT -ND | 0,346 1 | 1003-BT5 | 0,226 | 10 |
| 41 | 4 | 200K 0.1% | 1206 | R23, R24, R37, R38 | 1841801 | ERA8AEB204V | 0,468 10 | RG32P200KBCT -ND | 0,355 1 | 754-RG3216P- 2003-BT5 | 0,226 | 10 |
| 42 | 2 | 330R | 0805 | R26, R29 | 2447638 | MCWR08X3300FT L | 0,007 10 | A106061CT-ND | 0,038 1 | 279- CRGCQ0805F33 0R | 0,036 | 10 |

| | | | | RS Componer | | TME | | | | Price calculation for 1 | | | | | |
|----|-----|-------------------|----------|-----------------------|-----------------|-----|--------------------|-----------------|-----|-------------------------|-----|------------------|-----------------|--------------|-------------|
| # | | | | K3 Componer | | | | | | | | | Lowest | | i set |
| | Qty | Part name | Code | Part Number | Unit price € | MOQ | Code / Part Number | Unit price € | MOQ | THT | SMD | Best Supplier | unit price € | Order Qty | Line Cost € |
| 22 | 2 | DG212BDY-T1-E3 | 710-4780 | DG212BDY-T1- E3 | 1,630 | 5 | - | | | | 2 | Mouser | 1,470 € | 2 | 2,940 |
| 23 | 1 | MCP6001RT-I/OT | 667-4335 | MCP6001RT-I/ OT | 0,203 | 20 | MCP6001RT-I/OT | 0,172 | 10 | | 1 | TME | 0,172€ | 1 | 0,172 |
| 24 | 2 | RT424F05 | 164-7553 | RT424F05 | 6,485 | 1 | 5-1393243-2 | 2,500 | 2 | 2 | | TME | 2,500 € | 2 | 5,000 |
| 25 | 1 | EE2-5TNU-L | 870-5517 | EE2-5TNU-L | 1,987 | 1 | - | | | | 1 | Farnell | 1,900 € | 1 | 1,900 |
| 26 | 2 | MLZ1608N100LT000 | - | | | | - | | | | 2 | Mouser | 0,086€ | 2 | 0,172 |
| 27 | 1 | DLW21SN371SQ2L | 724-1674 | DLW21SN371S Q2L | 0,490 | 10 | DLW21SN371SQ2L | 0,234 | 10 | | 1 | TME | 0,234 € | 1 | 0,234 |
| 28 | | BLM18AG102SH1D | 839-0803 | BLM18AG102S H1D | 0,025 | 100 | BLM18AG102SH1D | 0,016 | 50 | | 2 | TME | 0,016€ | 2 | 0,031 |
| 29 | 3 | VOR1142B4 | 180-7266 | VOR1142B4 | 1,416 | 5 | - | | | | 3 | RS | 1,416 € | | 4,248 |
| 30 | 2 | CPC3902ZTR | - | | | | CPC3902ZTR | 0,310 | 5 | | 2 | TME | 0,310€ | 2 | 0,620 |
| 31 | 2 | BSS214NH6327XTSA1 | 827-0058 | BSS214NH6327 XTSA1 | 0,107 | 100 | BSS214NH6327XTSA | 0,070 | 10 | | 2 | TME | 0,070€ | 2 | 0,140 |
| 32 | 3 | 1M5 0.1% | - | | | | - | | | | 3 | Mouser | 0,263€ | 3 | 0,789 |
| 33 | 5 | 10R | 740-8987 | CR0805-FX- 10R0ELF | 0,065 | 50 | 0805S8J0111T5E | 0,013 | 100 | | 5 | Farnell | 0,009€ | 5 | 0,043 |
| 34 | 2 | GMR100HTBFA10L0 | - | | | | - | | | | 2 | Mouser | 1,080€ | 2 | 2,160 |
| 35 | 2 | 33R 0.1% | - | | | | ARG06DTC0330 | 0,029 | 10 | | 2 | TME | 0,029€ | 2 | 0,058 |
| 36 | 2 | 49K9 | 679-2174 | CRCW120649K 9FKEA | 0,039 | 50 | RC1206FR-0749K9 | 0,029 | 100 | | 2 | Mouser | 0,013€ | 2 | 0,026 |
| 37 | 3 | 100K | 223-0691 | CRG0805F100K | 0,028 | 50 | 0805S8F1003T5E | 0,015 | 100 | | 3 | Farnell | 0,010€ | 3 | 0,029 |
| 38 | 3 | 470R | 223-0376 | CRG0805F470R | 0,021 | 50 | RC0805FR-07470R | 0,022 | 100 | | 3 | Farnell | 0,019€ | 3 | 0,057 |
| 39 | 2 | 4M7 0.1% | - | | | | - | | | | 2 | Mouser | 0,356€ | 2 | 0,712 |
| 40 | 3 | 100K 0.1% | 669-6626 | ERA8AEB104V | 0,608 | 5 | AR06BTCV1003 | 0,127 | 10 | | 3 | TME | 0,127€ | 3 | 0,380 |
| 41 | 4 | 200K 0.1% | 828-0715 | ERA8AEB204V | 0,608 | 5 | AR06BTCV2003 | 0,127 | 10 | | 4 | TME | 0,127€ | 4 | 0,506 |
| 42 | 2 | 330R | 223-0354 | CRG0805F330R | 0,040 | 50 | 0805S8F3300T5E | 0,014 | 100 | | 2 | Farnell | 0,007€ | 2 | 0,014 |

| | | Farnell / Element14 Digi-Key | | | | | | Mouser | | | | | | |
|----|--|------------------------------|---|-------------------------|---------|-----------------------|-----------------|--------|---------------------------------|-----------------------------|-------|-----------------------------|-----------------|-----|
| # | | | | | | r difficili / Element | | | _ | • | | Mouse | | |
| | Qty | Part name | Package | Reference designator | Code | Part Number | Unit price € | MOQ | Part Number | Unit price € | MOQ | Part Number | Unit price € | MOQ |
| 43 | 5 | 10K | 0805 | R27, R28, R33, R51, R52 | 9237755 | RC0805FR-0710KL | 0,022 | 10 | 311-10.0KCRCT- ND | 0,039 | 10 | 603-RC0805FR- 0710KL | 0,014 | 10 |
| 44 | 1 | 33R | 1206, low TCR | R30 | - | | | | 13- RT1206BRD0733 RLCT-ND | 0,393 | 10 | 603- RT1206BRD0733 RL | 0,266 | 10 |
| 45 | 1 | 0R33 | 1210, low TCR | R32 | - | | | | A138567CT-ND | 0,316 | 10 | 279- RL73H2ER33FT D | 0,247 | 10 |
| 46 | 1 1K | | | R34 | 1099800 | WCR0805-1K0FI | 0,019 | 10 | RC0805FR- 071KL | 0,039 | 10 | 603-RC0805FR- 071KL | 0,015 | 10 |
| 47 | 1 | 10K5 0.1% | 1206 | R6 | 2338266 | MCWF12R1052BT L | 0,249 | 10 | A140954CT-ND | 0,621 | 10 | 754-RG3216P- 1052-BT5 | 0,226 | 10 |
| | | 82K5 0.1% | 1206 | R7 | 2338651 | MCWF12R8252BT L | 0,249 | 10 | RQ73C2B82K5B TD | 0,621 | 10 | 754-RG3216P- 8252-BT5 | 0,226 | 10 |
| 49 | 2 GMR100HTBFIR022 2512, low TCR (max. R8, R32 ±25ppm/°C) | | - | | | | 511-1688-1-ND | 1,090 | 10 | 755- GMR100HTBFIR 022 | 1,250 | 1 | | |
| 50 | 1 | PESD12VL1BA,115 | SOD-323 | TVS1 | 8737363 | PESD12VL1BA,11 5 | 0,365 | 5 | 1727-3808-1-ND | 0,320 | 10 | 771- PESD12VL1BA- T/R | 0,296 | 10 |
| 51 | 1 | 691322310008 | THT , 8-pin 3.81mm terminal block header, male pins | X1 | - | | | | 732-2093-ND | 1,390 | 1 | 710- 691322310008 | 1,400 | 1 |
| 52 | 2 | P125-2214A0BS230A1 | THT; 28-pin 0.1" board-to- board (Producer: DONG GUAN YLIES PRECISE CONNECTOR CO.,LTD) | X2, X3 | - | | | | - | | | - | | |
| 53 | 1 | MMSZ5230BT1G | SOD-123 | ZD1 | 1431272 | MMSZ5230BT1G | 0,177 | 10 | MMSZ5230BT1G OSCT-ND | 0,148 | 10 | 863- MMSZ5230BT1G | 0,170 | 10 |
| | | Not installed | | | | | | | | | | | | |
| | 2 | N.C. | 1206 | C24, C35 | | | | | | | | | | |
| | | N.C. | | IC8 | | | | | | | | | | |
| | | N.C. | SOT-23-5 | IC9 | | | | | | | | | | |
| | | N.C. | R-EU_R0805 | R4, R9, R40, R41, R42 | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | Related parts and acces | ssories | | | | | | | | | | | |
| | | ZKSS-10A | | | | | | | | | | | | |
| | 2 | ZKSS-1.25A | | | | | | | | | | | | |
| | 2 | DS1025-01-1*2P8BV1-B | тнт; | JP5, JP6 | - | | | | - | | | - | | |
| | 2 | JUMPER-2.0/R | | JP5, JP6 | - | | | | - | | | - | | |
| | 1 | 691304100008 | 8-pin 3.81mm push-in connector | | - | | | | 277-12329-ND | 7,410 | 1 | 651-1748037 | 7,440 | 1 |

Custom made components

¹ PCB 4-layer 141.5 x 68.5 JLCPCB.com mm

| | RS Components | | | TME | | | | | Pri | ice calculation for | | 1 set | | | |
|----|---------------|-----------------------------|----------|---------------------|-----------------|-----|--------------------|-----------------|-----|---------------------|----------------|------------------|---------------------------|--------------|-------------------------|
| # | Qty | Part name | Code | Part Number | Unit price € | MOQ | Code / Part Number | Unit price € | MOQ | тнт | SMD | Best Supplier | Lowest unit price € | Order Qty | Line Cost € |
| 43 | 5 | 10K | 125-1189 | CRG0805F10K | 0,002 | 100 | RC0805FR-0710K | 0,022 | 100 | | 5 | RS | 0,002€ | 5 | 0,010 |
| 44 | 1 | 33R | - | | | | AR06BTCV0330 | 0,132 | 10 | | 1 | TME | 0,132€ | 1 | 0,132 |
| 45 | 1 | 0R33 | - | | | | | | | | 1 | Mouser | 0,247€ | 1 | 0,247 |
| 46 | 1 | 1K | 223-0427 | CRG0805F1K0 | 0,017 | 50 | RC0805FR-071K | 0,022 | 100 | | 1 | Mouser | 0,015€ | 1 | 0,015 |
| 47 | 1 | 10K5 0.1% | - | | | | - | | | | 1 | Mouser | 0,226€ | 1 | 0,226 |
| 48 | 1 | 82K5 0.1% | - | | | | - | | | | 1 | Mouser | 0,226€ | 1 | 0,226 |
| 49 | 2 | GMR100HTBFIR022 | - | | | | - | | | | 2 | Digikey | 1,090€ | 2 | 2,180 |
| 50 | 1 | PESD12VL1BA,115 | 508-024 | PESD12VL1BA, 115 | 0,294 | 20 | PESD12VL1BA.115 | 0,126 | 5 | | 1 | TME | 0,126€ | 1 | 0,126 |
| 51 | 1 | 691322310008 | 824-6661 | 691322310008 | 1,470 | 1 | 15EDGRC3.81-08P | 0,662 | 1 | 1 | | TME | 0,662€ | 1 | 0,662 |
| 52 | 2 | P125-2214A0BS230A1 | - | | | | - | | | 2 | | | | | - |
| 53 | 1 | MMSZ5230BT1G | 545-3033 | MMSZ5230BT1 G | 0,173 | 20 | MMSZ5230BT1G | 0,033 | 25 | 9 | 1 79 | TME | 0,033€ | 1 | 0,033 55,57 € |
| | | Not installed | | | | | | | | | | | | | |
| | 2 | N.C. | | | | | | | | | | | | | |
| | 1 | N.C. | | | | | | | | | | | | | |
| | | N.C. | | | | | | | | | | | | | |
| | 5 | N.C. | | | | | | | | | | l | | | |
| | | Related parts and acces | 21 | | | | | | | | | | | | |
| | 2 | ZKSS-10A | | | | | ZKSS-10A | 0,459 | 10 | | | TME | 0,459€ | 2 | 0,918 |
| | | ZKSS-1.25A | | | | | ZKSS-1.25A | 0,312 | | | | TME | 0,312 € | 2 | 0,624 |
| | | DS1025-01-1*2P8BV1-B | - | | | | ZL303-02P | 0,013 | | 2 | | TME | 0,013 € | 2 | 0,025 |
| | 2 | JUMPER-2.0/R | - | | | | JUMPER-2.0/R | 0,044 | | | | TME | 0,044 € | | 0,087 |
| | 1 | 691304100008 | 185-4361 | 691304100008 | 8,900 | 1 | | | | | | Digikey | 7,410 € | 1 | 7,410 |
| | | | | | | | | | | | | | | | 9,06 € |
| | | Custom made compone | | | | | | | | | | | | | |
| | 1 | PCB 4-layer 141.5 x 68.5 mm | | | | | | | | | | JLCPCB | 8,796 € | 1 | 8,796 |
| | | | | | | | | | | | | | | | 8.80 € |

EEZ DIB AFE3 BOM (r1B3, 2021-05-14)

Project source code at https://github.com/eez-open/modular-psu

| | | | | | Farnell / Elemen | it14 | Digi-Ke | y | 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. 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.

For small quantities, consider ordering specialized chips at store.ti.com for better prices and availability.

| | 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 € | |

73,43 € **Total**