

**EEZ DIB AUX-PS BOM (r3B2, 2019-09-18)**  
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<br>€ | MOQ | Part Number          | Unit price<br>€ | MOQ | Part Number           | Unit price<br>€ | MOQ |
| 1  | 2                   | 47n/400V (X2)    | THT; 13x5mm; RM10        | C1, C2                | 2728564 | B32921C3473K000     | 0.452           | 1   | 399-11478-ND         | 0.319           | 10  | 871-B32921C3473K      | 0.264           | 10  |
| 2  | 3                   | 1u               | 0805                     | C3, C7, C8            | 2896566 | VJ0805Y105KXXT W1BC | 0.084           | 5   | 587-1283-1-ND        | 0.090           | 10  | 603-CC805MKX7R7B B105 | 0.062           | 10  |
| 3  | 3                   | EEEFK1V470P      |                          | C6, C12, C13          | 9695850 | EEEFK1V470P         | 0.344           | 1   | PCE3842CT-ND         | 0.312           | 10  | 667-EEE-FK1V470P      | 0.238           | 10  |
| 4  | 2                   | 100n             | 0603                     | C9, C10               | 2522597 | C0603C104K4RAC 7081 | 0.011           | 10  | 490-4774-1-ND        | 0.029           | 100 | 80-C0603C104M4R       | 0.007           | 100 |
| 5  | 1                   | SKL14            | SOD-123                  | D1                    | 2760412 | PMEG4010EGWX        | 0.204           | 5   | 1727-7335-1-ND       | 0.243           | 10  | 841-PMEG4010EGW X     | 0.188           | 10  |
| 6  | 1                   | BD00FC0WFP-E2    | TO-252-5                 | IC1                   | 3010961 | BD00FC0WFP-E2       | 0.736           | 1   | BD00FC0WFP-E2CT-ND   | 0.830           | 1   | 755-BD00FC0WFP-E2     | 0.786           | 1   |
| 7  | 1                   | MAX31760AEE+     | QSOP-16                  | IC2                   | 2528719 | MAX31760AEE+        | 1.210           | 1   | MAX31760AEE+-ND      | 2.400           | 1   | 700-MAX31760AEE+      | 1.210           | 1   |
| 8  | 1                   | PF0030/PC        | THT; AC inlet            | J1                    | 428784  | PF0030/PC           | 3.700           | 1   | 708-1914-ND          | 5.730           | 1   | 161-PF0030/PC         | 6.050           | 1   |
| 9  | 2                   | 1-726388-2       | THT; PCB terminal; 4.8mm | J2, J3                | 2308760 | 1-726388-2          | 0.167           | 100 | A121493-ND           | 0.178           | 10  | 571-726388-2          | 0.133           | 10  |
| 10 | 1                   | SWEB 8094 AU/GN  | THT; 4mm PE connector    | J4                    | -       |                     |                 |     | -                    |                 |     | -                     |                 |     |
| 11 | 2                   | VLS6045AF-3R3N   | 6.7x6.7x2.8mm            | L1, L2                | 1741325 | IHLP2020CZER3R 3M11 | 1.940           | 5   | 445-180834-1-ND      | 0.510           | 1   | 810-VLS6045AF-3R3N    | 0.510           | 1   |
| 12 | 1                   | OSY5LU3E34X-3F1A | THT; LED 3mm; yellow     | LED1                  | -       |                     |                 |     | -                    |                 |     | -                     |                 |     |
| 13 | 1                   | B57236S0200M     | THT; NTC; 11.5 X 6 mm    | NTC1                  | 9751890 | B57236S0200M        | 0.872           | 1   | 495-3047-ND          | 0.780           | 1   | 871-B57236S200M       | 0.757           | 1   |
| 14 | 1                   | MOC3052          | SMD; SDIP-6              | OK1                   | 2453236 | MOC3052SM           | 0.668           | 1   | MOC3052SM-ND         | 1.030           | 1   | 512-MOC3052SM         | 0.774           | 1   |
| 15 | 1                   | MOC3062          | SMD; SDIP-6              | OK2                   | 2322554 | MOC3062SR2VM        | 0.900           | 1   | MOC3062SM-ND         | 1.270           | 1   | 512-MOC3062SM         | 0.944           | 1   |
| 16 | 2                   | BTA26-600        | THT; triac 26 A, 600 V   | Q1, Q2                | 1057286 | BTA26-600BRG        | 3.000           | 1   | 497-2427-5-ND        | 3.370           | 1   | 511-BTA26-600B        | 3.360           | 1   |
| 17 | 3                   | 2N7002           | SOT-23                   | Q3, Q4, Q5            | 1713823 | 2N7002-7-F          | 0.118           | 5   | 2N7002LT1GOS CT-ND   | 0.150           | 1   | 863-2N7002LT1G        | 0.128           | 1   |
| 18 | 2                   | 39K              | 0805                     | R11, R23              | 2447646 | MCWR08X3902FT L     | 0.010           | 10  | RMCF0805FT39 K0CT-ND | 0.024           | 10  | 652-CR0805FX-3902ELF  | 0.017           | 10  |
| 19 | 2                   | 3K3              | 0805                     | R12, R13              | 2447651 | MCWR08X3301FT L     | 0.010           | 10  | A129755CT-ND         | 0.045           | 10  |                       |                 |     |
| 20 | 5                   | 1K               | 0805                     | R1, R3, R14, R15, R18 | 1099800 | WCR0805-1K0FI       | 0.019           | 10  | RC0805FR-071KL       | 0.039           | 10  | 603-RC0805FR-071KL    | 0.015           | 10  |
| 21 | 1                   | 10R              | 0805                     | R17                   | 9236643 | RC1206FR-0710RL     | 0.050           | 10  | 311-10.0CRCT-ND      | 0.071           | 10  | 603-RC1206FR-0710RL   | 0.034           | 10  |
| 22 | 2                   | 270R             | 0805                     | R2, R9                | 2073716 | MCMR08X271 JTL      | 0.009           | 10  | RMCF0805FT27 ORCT-ND | 0.025           | 10  | 652-CR0805FX-2700ELF  | 0.013           | 10  |
| 23 | 1                   | 470R             | 0805                     | R22                   | 1099798 | WCR0805-470RFI      | 0.019           | 10  | 311-470CRCT-ND       | 0.039           | 10  | 71-CRCW0805470R FKEB  | 0.041           | 10  |
| 24 | 4                   | 330R/2W          | 2512                     | R4, R6, R7, R8        | 1265196 | 3520330RJT          | 0.105           | 10  | RMCF2512JT33 ORCT-ND | 0.227           | 10  | 279-3520330RJT        | 0.073           | 10  |
| 25 | 4                   | 4K7              | 0805                     | R5, R10, R16, R19     | 2861530 | CRGCQ0805F4K7       | 0.009           | 10  | 311-4.70KCRCT-ND     | 0.090           | 1   | 603-RC0805FR-074K7L   | 0.026           | 10  |

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| RS Components |     |                  |          |                       |                 |     | TME                    |                 |     | THT | SMD | Price calculation for 1 set |                           |              |             |
|---------------|-----|------------------|----------|-----------------------|-----------------|-----|------------------------|-----------------|-----|-----|-----|-----------------------------|---------------------------|--------------|-------------|
| #             | Qty | Part name        | Code     | Part Number           | Unit price<br>€ | MOQ | Code / Part Number     | Unit price<br>€ | MOQ |     |     | Best<br>Supplier            | Lowest<br>unit price<br>€ | Order<br>Qty | Line Cost € |
| 1             | 2   | 47n/400V (X2)    | 882-9483 | B32921C3473M000       | 0.272           | 25  | MKP-X2-47NR10/310      | 0.077           | 10  | 2   |     | TME                         | 0.077 €                   | 2            | 0.154       |
| 2             | 3   | 1u               | 451-5770 | C0805C105K4R<br>ACTU  | 0.028           | 25  | CL21B105KOFNNNE        | 0.010           | 100 | 3   |     | TME                         | 0.010 €                   | 3            | 0.031       |
| 3             | 3   | EEEFK1V470P      | 537-0657 | EEEFK1V470P           | 0.394           | 5   | EEEFK1V470P            | 0.130           | 5   | 3   |     | TME                         | 0.130 €                   | 3            | 0.390       |
| 4             | 2   | 100n             | 393-6952 | VJ0603Y104KXJ<br>AT   | 0.069           | 25  | CL10B104KA8NNNC        | 0.098           | 100 | 2   |     | Mouser                      | 0.007 €                   | 2            | 0.014       |
| 5             | 1   | SKL14            | 153-0632 | PMEG4010EGW<br>X      | 0.078           | 100 | SKL14-DIO              | 0.053           | 10  | 1   |     | TME                         | 0.053 €                   | 1            | 0.053       |
| 6             | 1   | BD00FC0WFP-E2    | 184-7499 | BD00FC0WFP-<br>E2     | 0.876           | 10  | -                      |                 |     | 1   |     | Farnell                     | 0.736 €                   | 1            | 0.736       |
| 7             | 1   | MAX31760AEE+     | -        |                       |                 |     | -                      |                 |     | 1   |     | Farnell                     | 1.210 €                   | 1            | 1.210       |
| 8             | 1   | PF0030/PC        | 261-5834 | PF0030/PC             | 3.700           | 1   | PF0030/PC              | 2.360           | 1   | 1   |     | TME                         | 2.360 €                   | 1            | 2.360       |
| 9             | 2   | 1-726388-2       | 680-5772 | 1-726388-2            | 0.055           | 100 | 61-3162-11/0030        | 0.033           | 50  | 2   |     | TME                         | 0.033 €                   | 2            | 0.066       |
| 10            | 1   | SWEB 8094 AU/GN  | -        |                       |                 |     | SWEB 8094 AU/GN        | 2.130           | 1   | 1   |     | TME                         | 2.130 €                   | 1            | 2.130       |
| 11            | 2   | VLS6045AF-3R3N   | -        |                       |                 |     | HPI0630-3R3            | 0.335           | 1   | 2   |     | TME                         | 0.335 €                   | 2            | 0.670       |
| 12            | 1   | OSY5LU3E34X-3F1A | -        |                       |                 |     | OSY5LU3E34X-3F1A       | 0.115           | 5   | 1   |     | TME                         | 0.115 €                   | 1            | 0.115       |
| 13            | 1   | B57236S0200M     | -        |                       |                 |     | B57236S0200            | 0.370           | 5   | 1   |     | TME                         | 0.370 €                   | 1            | 0.370       |
| 14            | 1   | MOC3052          | 761-3690 | MOC3052SM             | 1.030           | 5   | MOC3052S               | 0.288           | 2   | 1   |     | TME                         | 0.288 €                   | 1            | 0.288       |
| 15            | 1   | MOC3062          | 806-6064 | MOC3062SM             | 0.786           | 10  | MOC3062XSM             | 0.500           | 1   | 1   |     | TME                         | 0.500 €                   | 1            | 0.500       |
| 16            | 2   | BTA26-600        | 714-0515 | BTA26-600BRG          | 3.710           | 1   | BTA26-600BRG           | 1.290           | 1   | 2   |     | TME                         | 1.290 €                   | 2            | 2.580       |
| 17            | 3   | 2N7002           | 545-0012 | 2N7002LT1G            | 0.126           | 50  | 2N7002LT1G             | 0.025           | 25  | 3   |     | TME                         | 0.025 €                   | 3            | 0.074       |
| 18            | 2   | 39K              | 679-1336 | CRCW080539K<br>0FKEA  | 0.038           | 50  | 0805S8J0393T5E         | 0.013           | 100 | 2   |     | Farnell                     | 0.010 €                   | 2            | 0.019       |
| 19            | 2   | 3K3              | 223-0499 | CRG0805F3K3           | 0.027           | 50  | 805S8F3301T5E          | 0.015           | 100 | 2   |     | Farnell                     | 0.010 €                   | 2            | 0.019       |
| 20            | 5   | 1K               | 223-0427 | CRG0805F1K0           | 0.017           | 50  | RC0805FR-071K          | 0.022           | 100 | 5   |     | Mouser                      | 0.015 €                   | 5            | 0.075       |
| 21            | 1   | 10R              | 740-9085 | CR1206-FX-<br>10R0ELF | 0.036           | 50  | CRCW120610R0FKTA<br>BC | 0.031           | 100 | 1   |     | TME                         | 0.031 €                   | 1            | 0.031       |
| 22            | 2   | 270R             | 223-0348 | CRG0805F270R          | 0.025           | 50  | 0805S8F2700T5E         | 0.023           | 100 | 2   |     | Farnell                     | 0.009 €                   | 2            | 0.018       |
| 23            | 1   | 470R             | 223-0376 | CRG0805F470R          | 0.021           | 50  | RC0805FR-07470R        | 0.022           | 100 | 1   |     | Farnell                     | 0.019 €                   | 2            | 0.038       |
| 24            | 4   | 330R/2W          | 755-1224 | 3521330RFT            | 0.281           | 10  | WF25P-330R-5%          | 0.072           | 50  | 4   |     | TME                         | 0.072 €                   | 4            | 0.286       |
| 25            | 4   | 4K7              | 223-0528 | CRG0805F4K7           | 0.010           | 50  | 0805S8F4701T5E         | 0.022           | 100 | 4   |     | Farnell                     | 0.009 €                   | 4            | 0.034       |

| #  | Qty | Part name                | Package  | Reference designator | Code    | Farnell / Element14 |                 |     | Digi-Key             |                 |     | Mouser            |                 |     |
|----|-----|--------------------------|--|----------------------|---------|---------------------|-----------------|-----|----------------------|-----------------|-----|-------------------|-----------------|-----|
|    |     |                          |  |                      |         | Part Number         | Unit price<br>€ | MOQ | Part Number          | Unit price<br>€ | MOQ | Part Number       | Unit price<br>€ | MOQ |
| 26 | 1   | CG2-470L                 | THT; Surge arrester                              | SAR1                 | 1846854 | 2027-47-BLF         | 1.110           | 1   | 2027-47-BLF-ND       | 1.200           | 1   | 652-2027-47-BLF   | 1.160           | 1   |
| 27 | 1   | DF62J12S2AHQA            | THT; PCB AC switch                               | SW1                  | 2435277 | DF62J12S2AHQA       | 4.330           | 1   | CKN2062-ND           | 4.340           | 1   | 611-DF62J12S2AHQA | 4.830           | 1   |
| 28 | 1   | EVQP7A01P                | Slide switch                                     | SW2                  | 2860916 | EVQP7A01P           | 0.268           | 5   | P16763CT-ND          | 0.270           | 1   | 667-EVQP7A01P     | 0.252           | 1   |
| 29 | 1   | IRM-10-5                 | THT; AC/DC Power Module 5V/2A 20W; 85-264Vin     | TR1                  | 2815498 | IRM-10-5            | 8.440           | 1   | 1866-3032-ND         | 8.220           | 1   | 709-IRM10-5       | 8.520           | 1   |
| 30 | 1   | IRM-10-12                | THT; AC/DC Power Module 12V/0.85A 10W; 85-264Vin | TR2                  | 2815494 | IRM-10-12           | 8.440           | 1   | 1866-3028-ND         | 8.220           | 1   | 709-IRM10-12      | 8.520           | 1   |
| 31 | 2   | ERZE14A431 or V275LA20AP | THT; Varistor RM7.5                              | VAR1, VAR2           | 2291831 | ERZE11A431          | 0.678           | 1   | P16688-ND            | 0.460           | 1   | 667-ERZ-E11A431   | 0.468           | 1   |
| 32 | 1   | 39-28-1063               | THT; Mini-Fit Jr.; 4.2mm, 6-pin                  | X1                   | 9732101 | 39-28-1063          | 0.688           | 1   | WM3802-ND            | 0.860           | 1   | 538-39-28-1063    | 0.760           | 1   |
| 33 | 1   | 39-30-1039               | THT; Mini-Fit Jr.; 4.2mm, 3-pin                  | X2                   | 1829076 | 39-30-1039          | 0.585           | 1   | WM18442-ND           | 0.570           | 1   | 538-39-30-1039    | 0.430           | 1   |
| 34 | 1   | DS1013-16SSIB1           | THT; 16-pin IDC socket; male                     | X3                   | 2843530 | MC-254-16-00-ST-DIP | 0.220           | 1   | ED10523-ND           | 0.350           | 1   | 710-61201621621   | 0.540           | 1   |
| 35 | 1   | 22-27-2031               | THT; 3-pin 0.1"                                  | X4; fan connector    | 9731156 | 22-27-2031          | 0.212           | 100 | WM4112-ND            | 0.330           | 1   | 538-22-27-2031    | 0.323           | 1   |
| 36 | 2   | 1.5KE400CA               | THT; TVS bidirectional                           | ZD1, ZD2             | 2341650 | 1.5KE400CARL        | 0.722           | 1   | 1.5KE400CA-TPMSCT-ND | 0.550           | 1   | 833-1.5KE400CA-TP | 0.536           | 1   |

| Not installed |             |                  |  |                   |         |            |       |     |           |       |   |                |       |   |
|---------------|-------------|------------------|--|-------------------|---------|------------|-------|-----|-----------|-------|---|----------------|-------|---|
| 1             | N.C.        | 0805             |  | C4, C5            |         |            |       |     |           |       |   |                |       |   |
| 1             | N.C.        | 0603             |  | C11               |         |            |       |     |           |       |   |                |       |   |
| 2             | N.C.        | 0805             |  | R20, R21          |         |            |       |     |           |       |   |                |       |   |
| 3             | Test points |                  |  | TP1               | -       |            |       |     |           |       |   |                |       |   |
| 1             | 22-27-2031  | THT; 3-pin 0.1"  |  | X5; fan connector | 9731156 | 22-27-2031 | 0.212 | 100 | WM4112-ND | 0.330 | 1 | 538-22-27-2031 | 0.323 | 1 |
| 2             | N.C.        | SOD-123          |  | ZD3, ZD4          |         |            |       |     |           |       |   |                |       |   |
| 1             | 3248.1001   | Enclosure handle |  |                   |         |            |       |     |           |       |   |                |       |   |

| Related parts and accessories |                     |                                   |     |   |         |                 |       |     |                |       |    |                |       |    |
|-------------------------------|---------------------|-----------------------------------|-----|---|---------|-----------------|-------|-----|----------------|-------|----|----------------|-------|----|
| 1                             | FC16150-S           | 16-pin IDC cable 15cm             |     | - |         |                 |       |     | H3CCS-1606G-ND | 1.170 | 1  | -              |       |    |
| 1                             | MF80251V3-1000U-G99 | 80x80x25mm, 12Vdc fan             |     |   |         |                 |       |     |                |       |    |                |       |    |
| 4                             | FSP-2               | Fastener for fans and protections |     |   |         |                 |       |     |                |       |    |                |       |    |
| 1                             | FG-08               | Finger guard; 80x80mm             |     |   |         |                 |       |     |                |       |    |                |       |    |
| 1                             | HS-142-25           | THT; SK129-PAD                    | KK1 |   | 1319810 | SK 129 25,4 STS | 2.460 | 1   | -              |       |    | -              |       |    |
| 1                             | 22-01-3037          | 3-pin receptacle for X4           |     |   | 1462838 | 22-01-3037      | 0.093 | 100 | WM2001-ND      | 0.170 | 1  | 538-22-01-3037 | 0.166 | 1  |
| 3                             | 08-50-0114          | Pins for X4                       |     |   | 1462641 | 08-50-0114      | 0.073 | 100 | WM1114-ND      | 0.141 | 10 | 538-08-50-0114 | 0.100 | 10 |
| 1                             | 39-01-4030          | Receptacle for X2                 |     |   | 9963480 | 39-01-4030      | 0.204 | 10  | WM18434-ND     | 0.260 | 1  | 538-39-01-4030 | 0.272 | 1  |
| 1                             | 39-01-2060          | Receptacle for X1                 |     |   | 151868  | 39-01-2060      | 0.277 | 100 | WM3702-ND      | 0.330 | 1  | 538-39-01-2060 | 0.340 | 1  |

| #  | 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 € |
| 26 | 1             | CG2-470L                 | 878-3652 | CG2-470L      | 1.943        | 10  | CG2-470L           | 1.480        | 1   | 1       |    | Farnell                     | 1.110 €             | 1         | 1.110       |
| 27 | 1             | DF62J12S2AHQA            | 154-3601 | DF62J12S2AHQA | 4.690        | 1   | DF62J12S2AHQA      | 3.336        | 1   | 1       |    | TME                         | 3.336 €             | 1         | 3.336       |
| 28 | 1             | EVQP7A01P                | 178-9272 | EVQP7A01P     | 0.495        | 20  | EVQP7A01P          | 0.143        | 5   | 1       |    | TME                         | 0.143 €             | 1         | 0.143       |
| 29 | 1             | IRM-10-5                 | 135-8929 | IRM-10-5      | 8.440        | 1   | IRM-10-5           | 6.100        | 1   | 1       |    | TME                         | 6.100 €             | 1         | 6.100       |
| 30 | 1             | IRM-10-12                | 135-8930 | IRM-10-12     | 8.440        | 1   | IRM-10-12          | 6.100        | 1   | 1       |    | TME                         | 6.100 €             | 1         | 6.100       |
| 31 | 2             | ERZE14A431 or V275LA20AP | 785-8904 | ERZE11A431    | 0.251        | 25  | V275LA20AP         | 0.201        | 5   | 2       |    | TME                         | 0.201 €             | 2         | 0.402       |
| 32 | 1             | 39-28-1063               | 484-1906 | 39-28-1063    | 0.696        | 1   | MX-5566-06A        | 0.272        | 2   | 1       |    | TME                         | 0.272 €             | 1         | 0.272       |
| 33 | 1             | 39-30-1039               | 670-5751 | 39-30-1039    | 0.584        | 5   | MX-5566-03A3       | 0.548        | 1   | 1       |    | Mouser                      | 0.430 €             | 1         | 0.430       |
| 34 | 1             | DS1013-16SSIB1           | 771-8357 | 61201621621   | 0.540        | 1   | DS1013-16SSIB      | 0.130        | 5   | 1       |    | TME                         | 0.130 €             | 1         | 0.130       |
| 35 | 1             | 22-27-2031               | 483-8477 | 22-27-2031    | 0.226        | 10  | MX-6410-03A        | 0.112        | 13  | 1       |    | TME                         | 0.112 €             | 1         | 0.112       |
| 36 | 2             | 1.5KE400CA               | 486-4381 | 1.5KE400CA    | 0.932        | 5   | 1.5KE400CA         | 0.316        | 3   | 2       |    | TME                         | 0.316 €             | 2         | 0.632       |
|    |               |                          |          |               |              |     |                    |              |     | 22      | 40 |                             |                     |           |             |
|    |               |                          |          |               |              |     |                    |              |     | 31.03 € |    |                             |                     |           |             |

| Not installed |             |          |            |       |    |  |              |       |    |   |  |         |         |   |       |
|---------------|-------------|----------|------------|-------|----|--|--------------|-------|----|---|--|---------|---------|---|-------|
| 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 |
| 3             | Test points |          |            |       |    |  | TEST-5       | 0.082 | 10 | 3 |  | TME     | 0.082 € | 3 | 0.246 |
| 1             | 22-27-2031  | 483-8477 | 22-27-2031 | 0.226 | 10 |  | MX-6410-03A  | 0.112 | 13 | 1 |  | TME     | 0.112 € | 1 | 0.112 |
| 2             | N.C.        |          |            |       |    |  |              |       |    | 2 |  | Farnell | 0.000 € | 2 | 0.000 |
| 1             | 3248.1001   |          |            |       |    |  | MR-3248.1001 | 4.350 | 1  |   |  | TME     | 4.350 € | 1 | 4.350 |

| Related parts and acces: |                     |          |                    |       |     |  |                     |       |    |   |  |         |         |   |       |
|--------------------------|---------------------|----------|--------------------|-------|-----|--|---------------------|-------|----|---|--|---------|---------|---|-------|
| 1                        | FC16150-S           | -        |                    |       |     |  | FC16150-S           | 1.310 | 1  |   |  | Digikey | 1.170 € | 1 | 1.170 |
| 1                        | MF80251V3-1000U-G99 |          |                    |       |     |  | MF80251V3-1000U-G99 | 2.040 | 1  |   |  | TME     | 2.040 € | 1 | 2.040 |
| 4                        | FSP-2               |          |                    |       |     |  | FSP-2               | 0.142 | 5  |   |  | TME     | 0.142 € | 4 | 0.566 |
| 1                        | FG-08               |          |                    |       |     |  | FG-08               | 0.524 | 1  |   |  | TME     | 0.524 € | 1 | 0.524 |
| 1                        | HS-142-25           | 189-8139 | SK129-25,4-ST5-220 | 2.820 | 1   |  | HS-142-25           | 1.350 | 1  | 1 |  | TME     | 1.350 € | 1 | 1.350 |
| 1                        | 22-01-3037          | 679-5375 | 22-01-3037         | 0.086 | 10  |  | MX-22-01-3037       | 0.080 | 10 |   |  | TME     | 0.080 € | 1 | 0.080 |
| 3                        | 08-50-0114          | 172-9178 | 08-50-0114         | 0.075 | 100 |  | MX-0850-0114        | 0.058 | 10 |   |  | TME     | 0.058 € | 3 | 0.173 |
| 1                        | 39-01-4030          | 510-9685 | 39-01-4030         |       | 5   |  | MX-5557-03R2        | 0.159 | 5  |   |  | TME     | 0.159 € | 1 | 0.159 |
| 1                        | 39-01-2060          | 484-1760 | 39-01-2060         | 0.280 | 5   |  | MX-5557-06R         | 0.104 | 5  |   |  | TME     | 0.104 € | 1 | 0.104 |

| # | Farnell / Element14 |                                     |         |                      |         |             |                 |     | Digi-Key    |                 |     | Mouser         |                 |     |
|---|---------------------|-------------------------------------|---------|----------------------|---------|-------------|-----------------|-----|-------------|-----------------|-----|----------------|-----------------|-----|
|   | Qty                 | Part name                           | Package | Reference designator | Code    | Part Number | Unit price<br>€ | MOQ | Part Number | Unit price<br>€ | MOQ | Part Number    | Unit price<br>€ | MOQ |
| 9 | 39-00-0078          | Pins for X1, X2                     |         |                      | 9732675 | 39-00-0078  | 0.094           | 100 | WM9154-ND   | 0.137           | 10  | 538-39-00-0078 | 0.112           | 10  |
| 3 | ST-003/2            | 4.8mm terminal; flat for J2, J3, J4 |         |                      | -       |             |                 |     | A122464-ND  | 0.131           | 10  | 571-60196-3    | 0.132           | 10  |

| Custom made components |                           |            |  |   |  |  |  |  |  |  |  |  |  |  |
|------------------------|---------------------------|------------|--|---|--|--|--|--|--|--|--|--|--|--|
| 1                      | PCB 2-layer 230.5 x 60 mm | ALLPCB.com |  | - |  |  |  |  |  |  |  |  |  |  |

*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.

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

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