

**EEZ DIB DCP405(B) BOM (r2B7, 2019-10-06)**  
Project source code at <https://github.com/eez-open/modular-psu>

| #  | Farnell / Element14 |                  |                |                                   |         |                       |                 |     | Digi-Key       |                 |     | Mouser                |                 |     | RS Components |                      |                 |     |
|----|---------------------|------------------|----------------|-----------------------------------|---------|-----------------------|-----------------|-----|----------------|-----------------|-----|-----------------------|-----------------|-----|---------------|----------------------|-----------------|-----|
|    | 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 | Code          | Part Number          | Unit price<br>€ | 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, C55                          | 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 | 4                   | 10n              | 0805           | C28, C33, C49, C54                | 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  |
|    | 2                   | 10n              | 0805           | 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      | CC0805JRNPO9 BN101   | 0.030           | 50  |
| 15 | 7                   | 1u               | 0805           | C45, 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 | 5                   | 4n7              | C0G, 0805      | C61, C75, C76, C77, C78           | 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 | 2                   | 1n               | 0805           | C64, C86                          | 2896470 | VJ0805A102JXAC W1BC   | 0.044           | 10  | 732-7858-1-ND  | 0.055           | 10  | 710-885012007040      | 0.052           | 10  | 723-6408      | GRM2195C1H1 02JA01D  | 0.031           | 100 |
| 19 | 1                   | 4u7 tant.        | 1206           | C69                               | 2321209 | T491A475K006AT        | 0.372           | 1   | 399-9717-1-ND  | 0.270           | 10  | 80-T491A475K006 AT    | 0.265           | 10  | 538-2335      | T491A475K006 AT      | 0.290           | 10  |
| 20 | 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  |
| 21 | 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  |
| 22 | 1                   | 33n              | 0805           | C87                               | 2627479 | MC0805B333K250 CT     | 0.045           | 10  | 1276-1796-1-ND | 0.057           | 10  | 80-C0805C333K5R AC    | 0.036           | 10  | 652-0982      | VJ0805Y333KX AAC     | 0.060           | 25  |

| #  | TME |                    |                     |              |     | THT |   | Price calculation for 1 set |                     | Line Cost € | DCP405B version |     |     |             |
|----|-----|--------------------|---------------------|--------------|-----|-----|---|-----------------------------|---------------------|-------------|-----------------|-----|-----|-------------|
|    | Qty | Part name          | Code / Part Number  | Unit price € | MOQ |     |   | Best Supplier               | Lowest unit price € | Order Qty   | Installed       | THT | SMD | Line cost € |
| 1  | 5   | 10n/200V           | VJ1206Y103KXCTW1 BC | 0.019        | 100 |     | 5 | TME                         | 0.019 €             | 5           | Yes             | 0   | 5   | 0.095       |
| 2  | 2   | 10u                | CL31A106KBHNNNE     | 0.546        | 10  |     | 2 | Digikey                     | 0.184 €             | 2           | Yes             | 0   | 2   | 0.368       |
| 3  | 1   | EEEFK1J101P        | EEEFK1J101P         | 0.321        | 5   |     | 1 | TME                         | 0.321 €             | 1           | Yes             | 0   | 1   | 0.321       |
| 4  | 2   | 470p               | CC0805JRNPO9BN47 1  | 0.024        | 100 |     | 2 | TME                         | 0.024 €             | 2           | Yes             | 0   | 2   | 0.048       |
| 5  | 1   | EEEFK1H470P        | EEEFK1H470P         | 0.183        | 5   |     | 1 | TME                         | 0.183 €             | 1           | Yes             | 0   | 1   | 0.183       |
| 6  | 4   | 33p                | CL21C330JBANNNC     | 0.015        | 100 |     | 4 | TME                         | 0.015 €             | 4           | Yes             | 0   | 4   | 0.060       |
| 7  | 2   | 6n8                | CL21B682KBANNNC     | 0.327        | 100 |     | 2 | Mouser                      | 0.029 €             | 2           | Yes             | 0   | 2   | 0.058       |
| 8  | 2   | HHXC630A330MHA0G - |                     |              |     |     | 2 | Mouser                      | 0.891 €             | 2           | Yes             | 0   | 2   | 1.782       |
| 9  | 4   | 4u7                | GCM31CR71E475KA5 5L | 0.381        | 10  |     | 4 | Mouser                      | 0.129 €             | 4           | Yes             | 0   | 4   | 0.516       |
| 10 | 2   | 2u2                | CL31B225KBHNNNE     | 0.029        | 50  |     | 2 | TME                         | 0.029 €             | 2           | Yes             | 0   | 2   | 0.057       |
| 11 | 2   | 330p               | CL21C331JBANNNC     | 0.029        | 100 |     | 2 | TME                         | 0.029 €             | 2           | Yes             | 0   | 2   | 0.058       |
| 12 | 1   | 22u                | CL32A226KAJNNNE     | 0.158        | 10  |     | 1 | TME                         | 0.158 €             | 1           | Yes             | 0   | 1   | 0.158       |
| 13 | 4   | 10n                | CC0805KRX7R9103     | 0.027        | 100 |     | 4 | Digikey                     | 0.017 €             | 4           | Yes             | 0   | 4   | 0.068       |
|    | 2   | 10n                | CC0805KRX7R9103     | 0.027        | 100 |     | 2 | Digikey                     | 0.017 €             | 2           | No              |     |     |             |
| 14 | 2   | 100p               | CL21C101JBANNNC     | 0.026        | 100 |     | 2 | Digikey                     | 0.019 €             | 2           | Yes             | 0   | 2   | 0.038       |
| 15 | 7   | 1u                 | CL21B105KOFNNNE     | 0.010        | 100 |     | 7 | TME                         | 0.010 €             | 7           | Yes             | 0   | 7   | 0.073       |
| 16 | 2   | 4u7/100V           | -                   |              |     |     | 2 | Mouser                      | 0.629 €             | 2           | Yes             | 0   | 2   | 1.258       |
| 17 | 5   | 4n7                | GRM2165C1H472JA0 1D | 0.021        | 100 |     | 5 | TME                         | 0.021 €             | 5           | Yes             | 0   | 5   | 0.105       |
| 18 | 2   | 1n                 | CL21C102JBCNNNC     | 0.026        | 100 |     | 2 | TME                         | 0.026 €             | 2           | No              |     |     |             |
| 19 | 1   | 4u7 tant.          | T491A475K006AT      | 0.099        | 10  |     | 1 | TME                         | 0.019 €             | 1           | Yes             | 0   | 1   | 0.019       |
| 20 | 1   | 1u/100V            | -                   |              |     |     | 1 | Mouser                      | 0.227 €             | 1           | Yes             | 0   | 1   | 0.227       |
| 21 | 2   | 470n               | C0805C474K4RAC      | 0.021        | 100 |     | 2 | TME                         | 0.021 €             | 2           | Yes             | 0   | 2   | 0.042       |
| 22 | 1   | 33n                | CL21B333KBANNNC     | 0.015        | 100 |     | 1 | TME                         | 0.015 €             | 1           | No              |     |     |             |

| #  | Farnell / Element14 |                   |   |  |         |                    |                 |     | Digi-Key              |                 |     | Mouser               |                 |     | RS Components |                   |                 |     |
|----|---------------------|-------------------|---|--|---------|--------------------|-----------------|-----|-----------------------|-----------------|-----|----------------------|-----------------|-----|---------------|-------------------|-----------------|-----|
|    | 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 | Code          | Part Number       | Unit price<br>€ | MOQ |
| 23 | 29                  | 100n              | 0603  | C9, C24, C30, C31, C32, C34, C35, C36, C37, C38, C39, C42, C48, C50, C51, C52, C57, C58, C59, C65, C66, C68, C72, C73, C79, C81, C83, C88, C89 | 2522597 | C0603C104K4RAC7081 | 0.011           | 10  | 490-4774-1-ND         | 0.029           | 100 | 80-C0603C104M4R      | 0.007           | 100 | 393-6952      | VJ0603Y104KXJAT   | 0.069           | 25  |
|    | 2                   | 100n              | 0603  | C74, C85   | 2522597 | C0603C104K4RAC7081 | 0.011           | 10  | 490-4774-1-ND         | 0.029           | 100 | 80-C0603C104M4R      | 0.007           | 100 | 393-6952      | VJ0603Y104KXJAT   | 0.069           | 25  |
| 24 | 6                   | BAS316            | SOD-323                                       | D1, D3, D11, D12, D13, D16   | 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  |
|    | 5                   | BAS316            | SOD-323                                       | D10, D15, D17, D18, 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  |
| 25 | 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  |
| 26 | 1                   | SK10100D1-DIO     | DPAK  | D19  | -       |                    |                 |     | SBRT10U60D1-13DICT-ND | 0.810           | 1   | 621-SBRT10U60D1Q-13  | 0.777           | 1   | -             |                   |                 |     |
| 27 | 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   |
| 28 | 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  |
| 29 | 2                   | SKL14             | SOD-123                                       | D6, D7   | 2760412 | PMEG4010EGWX       | 0.204           | 5   | 1727-7335-1-ND        | 0.243           | 10  | 841-PMEG4010EGWX     | 0.188           | 10  | 153-0632      | PMEG4010EGWX      | 0.078           | 100 |
|    | 1                   | SKL14             | SOD-123                                       | D9   | 2760412 | PMEG4010EGWX       | 0.204           | 5   | 1727-7335-1-ND        | 0.243           | 10  | 841-PMEG4010EGWX     | 0.188           | 10  | 153-0632      | PMEG4010EGWX      | 0.078           | 100 |
| 30 | 2                   | ZH32              | THT; 20x5mm fuse holder,<br><b>See note 1</b> | F1, F2   | -       |                    |                 |     | -                     |                 |     | -                    |                 |     | -             |                   |                 |     |
| 31 | 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 |
| 32 | 1                   | LTC3864EMSE#PBF   | TSSOP-12                                      | IC1  | -       |                    |                 |     | LTC3864EMSE#PBF-ND    | 4.440           | 1   | 584-LTC3864EMSE#PBF  | 4.360           | 1   | -             |                   |                 |     |
| 33 | 1                   | MC33272ADR2G      | SOIC-8  | IC10   | 2531389 | MC33272ADR2G       | 0.854           | 1   | MC33272ADR2GOSCT-ND   | 0.910           | 1   | 863-MC33272ADR2G     | 0.865           | 1   | 773-7778      | MC33272ADR2G      | 0.865           | 1   |
| 34 | 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   |
| 35 | 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  |
| 36 | 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   |
| 37 | 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   |
| 38 | 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   |
| 39 | 1                   | DAC8552IDGKR      | VSSOP-8                                       | IC16   | -       |                    |                 |     | 296-46082-1-ND        | 6.430           | 1   | 595-DAC8552IDGKR     | 6.150           | 1   | -             |                   |                 |     |
| 40 | 1                   | SN74LVC1G3157DCKR | SC-70   | IC17   | 1470911 | SN74LVC1G3157DCKR  | 0.274           | 5   | 296-14909-1-ND        | 0.330           | 1   | 595-SN74LVC1G3157DCK | 0.323           | 1   | 628-2769      | SN74LVC1G3157DCKR | 0.237           | 10  |
| 41 | 1                   | ADS1120IPWR       | TSSOP-16                                      | IC18   | -       |                    |                 |     | 296-37280-1-ND        | 6.030           | 1   | 595-ADS1120IPWR      | 5.760           | 1   | -             |                   |                 |     |

| #  | TME |                   |                    |                 |     | THT |    | Price calculation for 1 set |                           |              |             | DCP405B version |     |     |             |
|----|-----|-------------------|--------------------|-----------------|-----|-----|----|-----------------------------|---------------------------|--------------|-------------|-----------------|-----|-----|-------------|
|    | Qty | Part name         | Code / Part Number | Unit price<br>€ | MOQ |     |    | Best<br>Supplier            | Lowest<br>unit price<br>€ | Order<br>Qty | Line Cost € | Installed       | THT | SMD | Line cost € |
| 23 | 29  | 100n              | CL10B104KA8NNNC    | 0.098           | 100 |     | 29 | Mouser                      | 0.007 €                   | 29           | 0.203       | Yes             | 0   | 29  | 0.203       |
|    | 2   | 100n              | CL10B104KA8NNNC    | 0.098           | 100 |     | 2  | Mouser                      | 0.007 €                   | 2            | 0.014       | No              |     |     |             |
| 24 | 6   | BAS316            | BAS316,115         | 0.026           | 25  |     | 6  | TME                         | 0.026 €                   | 6            | 0.159       | Yes             | 0   | 6   | 0.159       |
|    | 5   | BAS316            | BAS316,115         | 0.026           | 25  |     | 5  | TME                         | 0.026 €                   | 5            | 0.132       | No              |     |     |             |
| 25 | 1   | SK55              | SK55-DIO           | 0.119           | 5   |     | 1  | TME                         | 0.119 €                   | 1            | 0.119       | Yes             | 0   | 1   | 0.119       |
| 26 | 1   | SK10100D1-DIO     | SK10100D1-DIO      | 0.310           | 3   |     | 1  | TME                         | 0.310 €                   | 1            | 0.310       | Yes             | 0   | 1   | 0.310       |
| 27 | 1   | STPS15H100        | -                  |                 |     |     | 1  | Farnell                     | 1.010 €                   | 1            | 1.010       | Yes             | 0   | 1   | 1.010       |
| 28 | 2   | SKL16             | SKL16-DIO          | 0.105           | 5   |     | 2  | TME                         | 0.105 €                   | 2            | 0.210       | Yes             | 0   | 2   | 0.210       |
| 29 | 2   | SKL14             | SKL14-DIO          | 0.053           | 10  |     | 2  | TME                         | 0.053 €                   | 2            | 0.106       | Yes             | 0   | 2   | 0.106       |
|    | 1   | SKL14             | SKL14-DIO          | 0.053           | 10  |     | 1  | TME                         | 0.053 €                   | 1            | 0.053       | No              |     |     |             |
| 30 | 2   | ZH32              | ZH32               | 0.228           | 5   |     | 2  | TME                         | 0.228 €                   | 2            | 0.456       | No              |     |     |             |
| 31 | 3   | BLM18AG102SH1D    | BLM18AG102SH1D     | 0.016           | 50  |     | 3  | TME                         | 0.016 €                   | 3            | 0.047       | Yes             | 0   | 3   | 0.047       |
| 32 | 1   | LTC3864EMSE#PBF   | -                  |                 |     |     | 1  | Mouser                      | 4.360 €                   | 1            | 4.360       | Yes             | 0   | 1   | 4.360       |
| 33 | 1   | MC33272ADR2G      | MC33272ADR2G       | 0.570           | 1   |     | 1  | TME                         | 0.570 €                   | 1            | 0.570       | Yes             | 0   | 1   | 0.570       |
| 34 | 1   | LTC2050HVCS8#PBF  | -                  |                 |     |     | 1  | RS                          | 2.155 €                   | 1            | 2.155       | Yes             | 0   | 1   | 2.155       |
| 35 | 1   | 74AUP1G74DC.125   | 74AUP1G74DC.125    | 0.323           | 3   |     | 1  | TME                         | 0.323 €                   | 1            | 0.323       | Yes             | 0   | 1   | 0.323       |
| 36 | 1   | MCP23S17-E/SS     | MCP23S17-E/SS      | 1.230           | 1   |     | 1  | Farnell                     | 1.160 €                   | 1            | 1.160       | Yes             | 0   | 1   | 1.160       |
| 37 | 1   | REF5025AIDR       | -                  |                 |     |     | 1  | Mouser                      | 2.540 €                   | 1            | 2.540       | Yes             | 0   | 1   | 2.540       |
| 38 | 1   | TC77-5.0MCTTR     | TC77-5.0MCTTR      | 0.970           | 1   |     | 1  | RS                          | 0.514 €                   | 1            | 0.514       | Yes             | 0   | 1   | 0.514       |
| 39 | 1   | DAC8552IDGKR      | -                  |                 |     |     | 1  | Mouser                      | 6.150 €                   | 1            | 6.150       | Yes             | 0   | 1   | 6.150       |
| 40 | 1   | SN74LVC1G3157DCKR | SN74LVC1G3157DCKR  | 0.107           | 5   |     | 1  | TME                         | 0.107 €                   | 1            | 0.107       | No              |     |     |             |
| 41 | 1   | ADS1120IPWR       | -                  |                 |     |     | 1  | Mouser                      | 5.760 €                   | 1            | 5.760       | Yes             | 0   | 1   | 5.760       |

| #  | Farnell / Element14 |                       |                               |                      |         |                    |                 |     | Digi-Key              |                 |     | Mouser               |                 |     | RS Components |                   |                 |     |
|----|---------------------|-----------------------|-------------------------------|----------------------|---------|--------------------|-----------------|-----|-----------------------|-----------------|-----|----------------------|-----------------|-----|---------------|-------------------|-----------------|-----|
|    | 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 | Code          | Part Number       | Unit price<br>€ | MOQ |
| 42 | 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  |
| 43 | 1                   | TPS54060DGQ           | MSOP-10                       | IC2                  | 1710820 | TPS54060DGQ        | 3.030           | 1   | 296-37148-1-ND        | 2.630           | 1   | 595-TPS54060DGQR     | 2.490           | 1   | 698-9079      | TPS54060DGQ       | 2.680           | 1   |
| 44 | 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   |
| 45 | 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   |
| 46 | 1                   | SN74LVC1G139DCUR      | VSSOP-8                       | IC4                  | 2147991 | SN74LVC1G139DCUR   | 0.561           | 1   | 296-18203-1-ND        | 0.510           | 1   | 595-SN74LVC1G139DCUR | 0.489           | 1   | -             |                   |                 |     |
| 47 | 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   |
| 48 | 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   |
| 49 | 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  |
| 50 | 1                   | TL072D                | SOIC-8                        | IC9                  |         |                    |                 |     |                       |                 |     |                      |                 |     |               |                   |                 |     |
| 51 | 1                   | 4907                  | THT, PCB terminal; 4.8mm      | J1                   | -       |                    |                 |     | 36-4907-ND            | 0.260           | 1   | 534-4907             | 0.257           | 1   | -             |                   |                 |     |
| 52 | 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   |
| 53 | 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   |
| 54 | 3                   | 0R                    | 0805, <b>see Note 2</b>       | JP2, JP3, JP4        | 2747563 | MCWR08X0000FTL     | 0.006           | 10  | RMCF0805ZTOR00CT-ND   | 0.019           | 10  | 603-RC0805FR070RL    | 0.023           | 10  | -             |                   |                 |     |
| 55 | 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   |
| 56 | 1                   | RN112-4-02-0M7        | THT; RN112                    | L1                   |         |                    |                 |     | 817-2100-ND           | 1.560           | 1   | 631-RN112-4-02-0M7   | 1.400           | 1   | -             |                   |                 |     |
| 57 | 1                   | 125CDMCCDS-330MC      | Power inductor                | L2                   | 2211631 | 7443551331         | 3.930           | 1   | 308-2568-1-ND         | 1.510           | 1   | 851-125CDMCCDS330MC  | 1.590           | 1   | -             |                   |                 |     |
| 58 | 1                   | VLS6045AF-3R3N        | Power inductor                | L3                   | 1741325 | IHLP2020CZER3R3M11 | 1.940           | 5   | 445-180834-1-ND       | 0.510           | 1   | 810-VLS6045AF-3R3N   | 0.510           | 1   | -             |                   |                 |     |
| 59 | 1                   | WP934MD/2LID          | THT, dual (red/red) 3 mm      | LED1                 | -       |                    |                 |     | 754-2000-ND           | 0.920           | 1   | 604-WP934MD2LID      | 1.030           | 1   | -             |                   |                 |     |
| 60 | 1                   | WP42WUM/EGW           | THT, dual (green/red) 3 mm    | LED2                 | -       |                    |                 |     | 754-1718-ND           | 0.930           | 1   | 604-WP42WUM/EGW      | 0.926           | 1   | -             |                   |                 |     |
| 61 | 1                   | WP934MD/LYLID         | THT, dual (yellow/red) 3 mm   | LED3                 | -       |                    |                 |     | 754-2008-ND           | 0.990           | 1   | 604-WP934MDLYLID     | 0.795           | 1   | -             |                   |                 |     |
| 62 | 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  |
| 63 | 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   |
| 64 | 1                   | BSS84P                | SOT-23                        | Q12                  | 1056526 | BSS84PH6327XTSA2   | 0.224           | 5   | BSS84PH6433XTMA1CT-ND | 0.314           | 10  | 726-BSS84PH6327XTSA2 | 0.196           | 10  | -             |                   |                 |     |
| 65 | 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   |
| 66 | 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  |

| #  | TME |                       |                    |                 |     | THT | SMD | Price calculation for 1 set |                           |              |             | DCP405B version |     |     |             |
|----|-----|-----------------------|--------------------|-----------------|-----|-----|-----|-----------------------------|---------------------------|--------------|-------------|-----------------|-----|-----|-------------|
|    | Qty | Part name             | Code / Part Number | Unit price<br>€ | MOQ |     |     | Best<br>Supplier            | Lowest<br>unit price<br>€ | Order<br>Qty | Line Cost € | Installed       | THT | SMD | Line cost € |
| 42 | 1   | LM293D                | LM293D-ST          | 0.143           | 5   |     | 1   | TME                         | 0.143 €                   | 1            | 0.143       | Yes             | 0   | 1   | 0.143       |
| 43 | 1   | TPS54060DGQ           | -                  |                 |     |     | 1   | Mouser                      | 2.490 €                   | 1            | 2.490       | Yes             | 0   | 1   | 2.490       |
| 44 | 1   | MAX9141ESA            | -                  |                 |     |     | 1   | Mouser                      | 0.934 €                   | 1            | 0.934       | No              |     |     |             |
| 45 | 2   | SI8641BB-B-IS1        | -                  |                 |     |     | 2   | Mouser                      | 2.060 €                   | 2            | 4.120       | Yes             | 0   | 2   | 4.120       |
| 46 | 1   | SN74LVC1G139DCUR      | -                  |                 |     |     | 1   | Mouser                      | 0.489 €                   | 1            | 0.489       | Yes             | 0   | 1   | 0.489       |
| 47 | 1   | MC78L05               | MC78L05ACDG        | 0.228           | 3   |     | 1   | RS                          | 0.150 €                   | 1            | 0.150       | Yes             | 0   | 1   | 0.150       |
| 48 | 1   | MC79L05               | MC79L05ACDG        | 0.232           | 3   |     | 1   | RS                          | 0.110 €                   | 1            | 0.110       | Yes             | 0   | 1   | 0.110       |
| 49 | 1   | M24C32-WMN6P          | M24C32-WMN6P       | 0.165           | 3   |     | 1   | TME                         | 0.165 €                   | 1            | 0.165       | Yes             | 0   | 1   | 0.165       |
| 50 | 1   | TL072D                |                    |                 |     |     |     |                             |                           |              |             |                 |     |     |             |
| 51 | 1   | 4907                  | 61-1537-11/0031    | 0.049           | 10  | 1   |     | TME                         | 0.049 €                   | 1            | 0.049       | Yes             | 1   |     | 0.049       |
| 52 | 1   | FCR7350R or BSM-420-R | BSM-420-R          | 1.426           | 1   | 1   |     | TME                         | 1.426 €                   | 1            | 1.426       | Yes             | 1   |     | 1.426       |
| 53 | 1   | FCR7350B or BSM-420-B | BSM-420-B          | 1.860           | 1   | 1   |     | TME                         | 1.860 €                   | 1            | 1.860       | Yes             | 1   |     | 1.860       |
| 54 | 3   | 0R                    | CQ0805-0R-1%       | 0.028           | 100 |     | 0   | Farnell                     | 0.006 €                   | 3            |             | Yes             |     | 3   | 0.019       |
| 55 | 1   | G6K-2F-5DC            | G6K-2F-5DC         | 1.850           | 1   |     | 1   | TME                         | 1.850 €                   | 1            | 1.850       | No              |     |     |             |
| 56 | 1   | RN112-4-02-0M7        | -                  |                 |     |     | 1   | Mouser                      | 1.400 €                   | 1            | 1.400       | Yes             | 1   |     | 1.400       |
| 57 | 1   | 125CDMCCDS-330MC      |                    |                 |     |     | 1   | Digikey                     | 1.510 €                   | 1            | 1.510       | Yes             | 0   | 1   | 1.510       |
| 58 | 1   | VLS6045AF-3R3N        | HPI0630-3R3        | 0.335           | 1   |     | 1   | TME                         | 0.335 €                   | 1            | 0.335       | Yes             | 0   | 1   | 0.335       |
| 59 | 1   | WP934MD/2LID          | -                  |                 |     |     | 1   | Digikey                     | 0.920 €                   | 1            | 0.920       | No              |     |     |             |
| 60 | 1   | WP42WUM/EGW           | L-42WUM/1EGWT      | 0.501           | 1   |     | 1   | TME                         | 0.501 €                   | 1            | 0.501       | Yes             | 1   |     | 0.501       |
| 61 | 1   | WP934MD/LYLID         | -                  |                 |     |     | 1   | Mouser                      | 0.795 €                   | 1            | 0.795       | Yes             | 1   |     | 0.795       |
| 62 | 1   | SUD19P06-60           | SUD19P06-60-GE3    | 0.740           | 1   |     | 1   | TME                         | 0.740 €                   | 1            | 0.740       | Yes             | 0   | 1   | 0.740       |
| 63 | 2   | PSMN0R9-25YLC         | PSMN0R9-25YLC.115  | 0.709           | 2   |     | 2   | TME                         | 0.709 €                   | 2            | 1.418       | Yes             | 0   | 2   | 1.418       |
| 64 | 1   | BSS84P                | BSS84P             | 0.060           | 10  |     | 1   | TME                         | 0.060 €                   | 1            | 0.060       | Yes             | 0   | 1   | 0.060       |
| 65 | 1   | BTA26-600             | BTA26-600BRG       | 2.180           | 1   |     | 1   | TME                         | 2.180 €                   | 1            | 2.180       | No              |     |     |             |
| 66 | 1   | FMMT493TA             | FMMT493TA          | 0.125           | 10  |     | 1   | TME                         | 0.125 €                   | 1            | 0.125       | No              |     |     |             |

| #  | 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 |
| 67 | 2                   | 2N7002               | SOT-23        | Q15, Q16   | 1713825   | 2N7002K-7              | 0.148        | 5   | T2N7002AKLMC-T-ND      | 0.126        | 10  | 757-T2N7002AKLM      | 0.113        | 10  | 671-0312      | 2N7002             | 1.250        | 20  |
| 68 | 2                   | 2N7002               | SOT-23        | Q17, Q23   | 1713825   | 2N7002K-7              | 0.148        | 5   | T2N7002AKLMC-T-ND      | 0.126        | 10  | 757-T2N7002AKLM      | 0.113        | 10  | 671-0312      | 2N7002             | 1.250        | 20  |
| 69 | 1                   | PSMN013-60YL         | SOT-669       | Q18  | 2617064   | PSMN013-60Y LX         | 0.706        | 1   | 1727-2589-1-ND         | 0.600        | 1   | 771-PSMN013-60Y LX   | 0.576        | 1   | -             |                    |              |     |
| 70 | 3                   | MMBT5551             | SOT-23        | Q19, Q21, Q22  | 1459109   | MMBT5551LT1G           | 0.154        | 5   | MMBT5551LT1G OSC-T-ND  | 0.180        | 1   | 863-MMBT5551LT1G     | 0.170        | 1   | 545-0400      | MMBT5551LT1G       | 0.146        | 10  |
| 71 | 1                   | MMBT5401             | SOT-23        | Q2   | 2533333   | MMBT5401LT3G           | 0.181        | 5   | MMBT5401-FDICT-ND      | 0.154        | 10  | 621-MMBT5401-F       | 0.135        | 10  | 739-0546      | MMBT5401           | 0.157        | 10  |
|    | 2                   | MMBT5401             | SOT-23        | 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  |
| 72 | 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   |
| 73 | 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   |
| 74 | 1                   | BCP56                | SOT-223       | Q6   | 2628083   | BCP56TX                | 0.263        | 5   | BCP5616QTADI CT-ND     | 0.350        | 1   | 621-BCP5616QTA       | 0.297        | 1   | 773-7633      | BCP56-16T3G        | 0.138        | 10  |
| 75 | 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  |
| 76 | 1                   | BSS205NH6327XTSA1    | SOT-23        | Q9   | 2480648   | BSS205NH6327XTSA1CT-ND | 0.257        | 5   | BSS205NH6327XTSA1CT-ND | 0.274        | 10  | BSS205NH6327XTSA1    | 0.236        | 10  | 892-2374      | BSS205NH6327XTSA1  | 0.108        | 100 |
| 77 | 2                   | 750R                 | 0805          | R104, R110   | 2447719   | MCWR08X7500FT L        | 0.010        | 10  | A126385CT-ND           | 0.046        | 10  | 71-CRCW0805750R FKEB | 0.052        | 10  | 215-2298      | RN73C2A750RB       | 0.666        | 5   |
| 94 | 2                   | 1R                   | 0805          | R109, R61  | 2447598   | MCWR08W1R00F TL        | 0.012        | 10  | 311-1.00CRCT-ND        | 0.071        | 10  | 603-RC0805FR-131RL   | 0.020        | 10  | 740-9151      | CR0805-J/-1R0ELF   | 0.027        | 50  |
| 77 | 8                   | 4K7                  | 0805          | R11, R27, R32, R54, R84, R87, R97, R99                                       | 2861530   | CRGCQ0805F4K7          | 0.012        | 10  | 311-4.70KCRCT-ND       | 0.040        | 10  | 603-RC0805FR-074K7L  | 0.027        | 10  | 223-0528      | CRG0805F4K7        | 0.023        | 50  |
|    | 3                   | 4K7                  | 0805          | R30, R36, R70  | 2861530   | CRGCQ0805F4K7          | 0.012        | 10  | 311-4.70KCRCT-ND       | 0.040        | 10  | 603-RC0805FR-074K7L  | 0.027        | 10  | 223-0528      | CRG0805F4K7        | 0.023        | 50  |
| 78 | 3                   | 47K                  | 0805          | R13, R60, R65  | 2447664   | MCWR08X4702FT L        | 0.009        | 10  | RHM47KKCT-ND           | 0.036        | 10  | 603-RC0805FR-0747KL  | 0.014        | 10  | 679-1434      | CRCW080547K0FKEA   | 0.036        | 50  |
|    | 1                   | 47K                  | 0805          | R111   | 2447664   | MCWR08X4702FT L        | 0.009        | 10  | RHM47KKCT-ND           | 0.036        | 10  | 603-RC0805FR-0747KL  | 0.014        | 10  | 679-1434      | CRCW080547K0FKEA   | 0.036        | 50  |
| 79 | 10                  | 2K2                  | 0805          | R16, R33, R40, R48, R56, R57, 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  |
|    | 2                   | 2K2                  | 0805          | R74, R106  | 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  |
| 80 | 16                  | 10K                  | 0805          | R2, R6, R17, R21, R22, R23, R24, R31, R47, R52, R62, R66, R71, R86, R93, R98 | 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 |
|    | 4                   | 10K                  | 0805          | R88, R94, 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 |
| 81 | 1                   | 86K6                 | 0805          | R20  | 2303750RL | ERJ6ENF8662V           | 0.058        | 10  | 311-86.6KCRCT-ND       | 0.036        | 10  | 603-RT0805FRE0786K6L | 0.056        | 10  | -             |                    |              |     |
| 82 | 2                   | 0R1/2-3W             | 2512          | R25, R26   | 2828391   | MCLRP12JTWSR100        | 0.240        | 10  | 696-1680-1-ND          | 0.465        | 10  | 71-RCWE2512R100 FKEA | 0.418        | 10  | 693-4394      | CRA2512-FZ-R100ELF | 0.644        | 5   |

| #  | TME |                      |                     |                 |     | THT |    | Price calculation for 1 set |                           |              |             | DCP405B version |     |     |             |
|----|-----|----------------------|---------------------|-----------------|-----|-----|----|-----------------------------|---------------------------|--------------|-------------|-----------------|-----|-----|-------------|
|    | Qty | Part name            | Code / Part Number  | Unit price<br>€ | MOQ |     |    | Best<br>Supplier            | Lowest<br>unit price<br>€ | Order<br>Qty | Line Cost € | Installed       | THT | SMD | Line cost € |
| 67 | 2   | 2N7002               | 2N7002LT1G          | 0.019           | 25  |     | 2  | TME                         | 0.019 €                   | 2            | 0.038       | Yes             | 0   | 2   | 0.038       |
| 68 | 2   | 2N7002               | 2N7002LT1G          | 0.019           | 25  |     | 2  | TME                         | 0.019 €                   | 2            | 0.038       | No              |     |     |             |
| 69 | 1   | PSMN013-60YL         | -                   |                 |     |     | 1  | Mouser                      | 0.576 €                   | 1            | 0.576       | No              |     |     |             |
| 70 | 3   | MMBT5551             | MMBT5551            | 0.024           | 25  |     | 3  | TME                         | 0.024 €                   | 3            | 0.073       | No              |     |     |             |
| 71 | 1   | MMBT5401             | MMBT5401            | 0.024           | 25  |     | 1  | TME                         | 0.024 €                   | 1            | 0.024       | Yes             | 0   | 1   | 0.024       |
|    | 2   | MMBT5401             | MMBT5401            | 0.024           | 25  |     | 2  | TME                         | 0.024 €                   | 2            | 0.047       | No              |     |     |             |
| 72 | 2   | D45H11FP             | D45H11              | 0.570           | 1   | 2   |    | TME                         | 0.570 €                   | 2            | 1.140       | Yes             | 2   |     | 1.140       |
| 73 | 1   | FQPF11P06            | -                   |                 |     | 1   |    | RS                          | 0.715 €                   | 1            | 0.715       | No              |     |     |             |
|    | 0   | Option #1: FQPF27P06 | FQPF27P06           | 0.820           | 2   | 0   |    | TME                         | 0.820 €                   | 0            | 0.000       | No              |     |     |             |
| 74 | 1   | BCP56                | BCP56-16T1G         | 0.153           | 5   |     | 1  | RS                          | 0.138 €                   | 1            | 0.138       | No              |     |     |             |
| 75 | 1   | NZT605               | NZT605              | 0.222           | 5   |     | 1  | TME                         | 0.222 €                   | 1            | 0.222       | Yes             | 0   | 1   | 0.222       |
| 76 | 1   | BSS205NH6327XTSA1    | BSS205NH6327XTSA1   | 0.097           | 10  |     | 1  | TME                         | 0.097 €                   | 1            | 0.097       | Yes             | 0   | 1   | 0.097       |
| 77 | 2   | 750R                 | 0805S8F7500T5E      | 0.015           | 100 |     | 2  | Farnell                     | 0.010 €                   | 2            | 0.019       | No              |     |     |             |
| 94 | 2   | 1R                   | 0805S8F100KT5E      | 0.032           | 100 |     | 2  | Farnell                     | 0.012 €                   | 2            | 0.023       | Yes             | 0   | 2   | 0.023       |
| 77 | 8   | 4K7                  | 0805S8F4701T5E      | 0.023           | 100 |     | 8  | Farnell                     | 0.012 €                   | 8            | 0.094       | Yes             | 0   | 8   | 0.094       |
|    | 3   | 4K7                  | 0805S8F4701T5E      | 0.023           | 100 |     | 3  | Farnell                     | 0.012 €                   | 3            | 0.035       | No              |     |     |             |
| 78 | 3   | 47K                  | RC0805FR-0747K      | 0.022           | 100 |     | 3  | Farnell                     | 0.009 €                   | 3            | 0.028       | Yes             | 0   | 3   | 0.028       |
|    | 1   | 47K                  | RC0805FR-0747K      | 0.022           | 100 |     | 1  | Farnell                     | 0.009 €                   | 1            | 0.009       | No              |     |     |             |
| 79 | 10  | 2K2                  | 0805S8F2201T5E      | 0.022           | 100 |     | 10 | TME                         | 0.022 €                   | 10           | 0.223       | Yes             | 0   | 10  | 0.223       |
|    | 2   | 2K2                  | 0805S8F2201T5E      | 0.022           | 100 |     | 2  | TME                         | 0.022 €                   | 2            | 0.045       | No              |     |     |             |
| 80 | 16  | 10K                  | RC0805FR-0710K      | 0.022           | 100 |     | 16 | RS                          | 0.002 €                   | 16           | 0.032       | Yes             | 0   | 16  | 0.032       |
|    | 4   | 10K                  | RC0805FR-0710K      | 0.022           | 100 |     | 4  | RS                          | 0.002 €                   | 4            | 0.008       | No              |     |     |             |
| 81 | 1   | 86K6                 | CRCW080586K6FKTA BC | 0.025           | 100 |     | 1  | TME                         | 0.025 €                   | 1            | 0.025       | Yes             | 0   | 1   | 0.025       |
| 82 | 2   | 0R1/2-3W             | LRP12FTDRR100       | 0.155           | 10  |     | 2  | TME                         | 0.155 €                   | 2            | 0.310       | Yes             | 0   | 2   | 0.310       |



| #  | Farnell / Element14 |           |               |                                  |         |                  |                 |     | Digi-Key               |                 |     | Mouser               |                 |     | RS Components |                    |                 |     |
|----|---------------------|-----------|---------------|----------------------------------|---------|------------------|-----------------|-----|------------------------|-----------------|-----|----------------------|-----------------|-----|---------------|--------------------|-----------------|-----|
|    | 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 | Code          | Part Number        | Unit price<br>€ | MOQ |
| 83 | 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  |
| 84 | 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  |
| 85 | 1                   | 220R      | 0805          | R37                              | 1099795 | WCR0805-220RFI   | 0.019           | 10  | RMCF0805FT220RCT-ND    | 0.020           | 10  | 603-RC0805FR-13220RL | 0.020           | 10  | 223-0332      | CRG0805F220R       | 0.018           | 50  |
|    | 1                   | 220R      | 0805          | R39                              | 1099795 | WCR0805-220RFI   | 0.019           | 10  | RMCF0805FT220RCT-ND    | 0.020           | 10  | 603-RC0805FR-13220RL | 0.020           | 10  | 223-0332      | CRG0805F220R       | 0.018           | 50  |
| 86 | 2                   | 15R       | 1206          | R4, R49                          | 2861939 | CRGCQ1206J15R    | 0.140           | 10  | RNCP1206FTD15R0CT-ND   | 0.081           | 10  | 279-CRGH1206F15R     | 0.031           | 10  | 223-2013      | CRG1206F15R        | 0.008           | 50  |
| 87 | 2                   | 7K5 0.1%  | 0805          | R41, R50                         | 1575887 | MCTC0525B7501T5E | 0.203           | 10  | YAG1974CT-ND           | 0.265           | 10  | 279-CPF0805B7K5E1    | 0.249           | 10  | -             |                    |                 |     |
| 88 | 1                   | 22K       | 0805          | R42                              | 2447607 | MCWR08X2202FTL   | 0.010           | 10  | RMCF0805FT22K0CT-ND    | 0.024           | 10  | 71-CRCW080522K0FKEAC | 0.018           | 100 | 679-1109      | CRCW080522K0FKEA   | 0.034           | 50  |
|    | 2                   | 22K       | 0805          | R101, R102                       | 2447607 | MCWR08X2202FTL   | 0.010           | 10  | RMCF0805FT22K0CT-ND    | 0.024           | 10  | 71-CRCW080522K0FKEAC | 0.018           | 100 | 679-1109      | CRCW080522K0FKEA   | 0.034           | 50  |
| 89 | 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  |
| 90 | 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  |
| 91 | 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  |
| 92 | 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  |
| 93 | 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  |
| 94 | 1                   | 0R010     | 2512, low TCR | R67                              | 2808330 | GMR100HTBFA10L0  | 1.130           | 5   | 511-1686-1-ND          | 1.350           | 1   | 755-GMR100HTBFA10L0  | 1.080           | 1   | -             |                    |                 |     |
| 95 | 4                   | 100K      | 0805          | R7, R10, R18, R28                | 2447551 | MCWR08X1003FTL   | 0.010           | 10  | RMCF0805FT100KCT-ND    | 0.024           | 10  | 71-CRCW0805100KFKEAC | 0.040           | 10  | 223-0691      | CRG0805F100K       | 0.028           | 50  |
|    | 3                   | 100K      | 0805          | R72, R95, R114                   | 2447551 | MCWR08X1003FTL   | 0.010           | 10  | RMCF0805FT100KCT-ND    | 0.024           | 10  | 71-CRCW0805100KFKEAC | 0.040           | 10  | 223-0691      | CRG0805F100K       | 0.028           | 50  |
| 96 | 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  |
| 97 | 4                   | 470R      | 0805          | R75, R76, R79, R85               | 1099798 | WCR0805-470RFI   | 0.019           | 10  | 311-470CRCT-ND         | 0.039           | 10  | 71-CRCW0805470RFKEB  | 0.041           | 10  | 223-0376      | CRG0805F470R       | 0.021           | 50  |
|    | 1                   | 470R      | 0805          | R113                             | 1099798 | WCR0805-470RFI   | 0.019           | 10  | 311-470CRCT-ND         | 0.039           | 10  | 71-CRCW0805470RFKEB  | 0.041           | 10  | 223-0376      | CRG0805F470R       | 0.021           | 50  |
| 98 | 4                   | 1K        | 0805          | R8, R43, R63, R69                | 1099800 | WCR0805-1K0FI    | 0.019           | 10  | RC0805FR-071KL         | 0.039           | 10  | 603-RC0805FR-071KL   | 0.015           | 10  | 223-0427      | CRG0805F1K0        | 0.017           | 50  |
|    | 4                   | 1K        | 0805          | R38, R90, R100, R105             | 1099800 | WCR0805-1K0FI    | 0.019           | 10  | RC0805FR-071KL         | 0.039           | 10  | 603-RC0805FR-071KL   | 0.015           | 10  | 223-0427      | CRG0805F1K0        | 0.017           | 50  |

| #  | TME |           |                    |                 |     | THT |   | SMD     |         | Price calculation for 1 set |                           |              |             | DCP405B version |       |     |             |
|----|-----|-----------|--------------------|-----------------|-----|-----|---|---------|---------|-----------------------------|---------------------------|--------------|-------------|-----------------|-------|-----|-------------|
|    | Qty | Part name | Code / Part Number | Unit price<br>€ | MOQ |     |   |         |         | Best<br>Supplier            | Lowest<br>unit price<br>€ | Order<br>Qty | Line Cost € | Installed       | THT   | SMD | Line cost € |
| 83 | 1   | 2R2/2-3W  | WF25P2R2JTL        | 0.072           | 10  |     | 1 | TME     | 0.072 € | 1                           | 0.072                     | No           |             |                 |       |     |             |
| 84 | 1   | R008/2-3W | LRP12FTWRR008      | 0.149           | 10  |     | 1 | TME     | 0.149 € | 1                           | 0.149                     | Yes          | 0           | 1               | 0.149 |     |             |
| 85 | 1   | 220R      | 0805S8F2200T5E     | 0.022           | 100 |     | 1 | RS      | 0.018 € | 1                           | 0.018                     | Yes          | 0           | 1               | 0.018 |     |             |
|    | 1   | 220R      | 0805S8F2200T5E     | 0.022           | 100 |     | 1 | RS      | 0.018 € | 1                           | 0.018                     | No           |             |                 |       |     |             |
| 86 | 2   | 15R       | 1206S4J0150T5E     | 0.012           | 100 |     | 2 | RS      | 0.008 € | 2                           | 0.016                     | Yes          | 0           | 2               | 0.016 |     |             |
| 87 | 2   | 7K5 0.1%  | AR05BTCW7501       | 0.105           | 10  |     | 2 | TME     | 0.105 € | 2                           | 0.210                     | Yes          | 0           | 2               | 0.210 |     |             |
| 88 | 1   | 22K       | 0805S8J0223T5E     | 0.013           | 100 |     | 1 | Farnell | 0.010 € | 1                           | 0.010                     | Yes          | 0           | 1               | 0.010 |     |             |
|    | 2   | 22K       | 0805S8J0223T5E     | 0.013           | 100 |     | 2 | Farnell | 0.010 € | 2                           | 0.019                     | No           |             |                 |       |     |             |
| 89 | 2   | 16K       | 0805S8F1602T5E     | 0.015           | 100 |     | 2 | TME     | 0.015 € | 2                           | 0.030                     | Yes          | 0           | 2               | 0.030 |     |             |
| 90 | 2   | 124K 0.1% | -                  |                 |     |     | 2 | Farnell | 0.025 € | 2                           | 0.050                     | Yes          | 0           | 2               | 0.050 |     |             |
| 91 | 7   | 10R       | 1206S4J0100T5E     | 0.012           | 100 |     | 7 | TME     | 0.012 € | 7                           | 0.087                     | Yes          | 0           | 7               | 0.087 |     |             |
| 92 | 2   | 39K 0.1%  | AR05BTCW3902       | 0.105           | 10  |     | 2 | TME     | 0.105 € | 2                           | 0.211                     | Yes          | 0           | 2               | 0.211 |     |             |
| 93 | 2   | 820R 0.1% | AR05BTCW8200       | 0.105           | 10  |     | 2 | TME     | 0.105 € | 2                           | 0.211                     | Yes          | 0           | 2               | 0.211 |     |             |
| 94 | 1   | 0R010     | -                  |                 |     |     | 1 | Mouser  | 1.080 € | 1                           | 1.080                     | Yes          | 0           | 1               | 1.080 |     |             |
| 95 | 4   | 100K      | 0805S8F1003T5E     | 0.015           | 100 |     | 4 | Farnell | 0.010 € | 4                           | 0.039                     | Yes          | 0           | 4               | 0.039 |     |             |
|    | 3   | 100K      | 0805S8F1003T5E     | 0.015           | 100 |     | 3 | Farnell | 0.010 € | 3                           | 0.029                     | No           |             |                 |       |     |             |
| 96 | 1   | 270R      | 0805S8F2700T5E     | 0.023           | 100 |     | 1 | Farnell | 0.009 € | 1                           | 0.009                     | Yes          | 0           | 1               | 0.009 |     |             |
| 97 | 4   | 470R      | RC0805FR-07470R    | 0.022           | 100 |     | 4 | Farnell | 0.019 € | 4                           | 0.076                     | Yes          | 0           | 4               | 0.076 |     |             |
|    | 1   | 470R      | RC0805FR-07470R    | 0.022           | 100 |     | 1 | Farnell | 0.019 € | 1                           | 0.019                     | No           |             |                 |       |     |             |
| 98 | 4   | 1K        | RC0805FR-071K      | 0.022           | 100 |     | 4 | Mouser  | 0.015 € | 4                           | 0.060                     | Yes          | 0           | 4               | 0.060 |     |             |
|    | 4   | 1K        | RC0805FR-071K      | 0.022           | 100 |     | 4 | Mouser  | 0.015 € | 4                           | 0.060                     | No           |             |                 |       |     |             |

| #   | Farnell / Element14 |                    |  |                      |         |                     |                 |     | Digi-Key             |                 |     | Mouser               |                 |     | RS Components |                     |                 |     |
|-----|---------------------|--------------------|--|----------------------|---------|---------------------|-----------------|-----|----------------------|-----------------|-----|----------------------|-----------------|-----|---------------|---------------------|-----------------|-----|
|     | 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 | Code          | Part Number         | Unit price<br>€ | MOQ |
| 99  | 2                   | 330R               | 0805   | R89, R91             | 2695037 | MCWR08X331 JTL      | 0.009           | 10  | A129743CT-ND         | 0.045           | 10  | 652-CR0805FX-3300ELF | 0.013           | 10  | 223-0354      | CRG0805F330R        | 0.040           | 50  |
|     | 3                   | 330R               | 0805   | R83, R103, R112      | 2695037 | MCWR08X331 JTL      | 0.009           | 10  | A129743CT-ND         | 0.045           | 10  | 652-CR0805FX-3300ELF | 0.013           | 10  | 223-0354      | CRG0805F330R        | 0.040           | 50  |
| 100 | 2                   | 330K               | 0805   | R9, R19              | 2447637 | MCWR08X3303FT L     | 0.010           | 10  | A126361CT-ND         | 0.046           | 10  | 652-CR0805FX-3303ELF | 0.013           | 10  | 679-1272      | CRCW0805330 KFEA    | 0.038           | 50  |
| 101 | 1                   | AC01000001007JA100 | THT; power resistor                          | R92                  | 1735022 | AC01000001007JA 100 | 0.441           | 1   | PPC1W.10CT-ND        | 0.500           | 1   | 594-AC01W0R100J      | 0.349           | 1   | 846-9836      | AC01000001007 JA100 | 0.350           | 1   |
| 102 | 1                   | 6R2                | 0805   | R96                  | 2447714 | MCWR08W6R20F TL     | 0.012           | 10  | 311-6.20CRCT-ND      | 0.070           | 10  | 603-RC0805FR-076R2L  | 0.020           | 10  | -             |                     |                 |     |
| 103 | 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  |
| 104 | 1                   | SRF0703-821M       | 0703   | TR1                  | 1852832 | SRF0703-821M        | 0.827           | 1   | SRF0703-821MCT-ND    | 0.900           | 1   | 652-SRF0703-821M     | 0.681           | 1   | -             |                     |                 |     |
| 105 | 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   |
| 106 | 1                   | 77317-104-28LF     | THT; 28-pin 0.1" header right angled         | X2                   | -       |                     |                 |     | S2111EC-14-ND        | 1.030           | 1   | 649-77317-104-28LF   | 1.540           | 1   | -             |                     |                 |     |
| 107 | 1                   | 1844249            | THT; Pluggable Terminal Blocks; 3.5mm; 5-pin | X3                   | 2776334 | MC 1,5/ 5-G-3,5     | 1.830           | 1   | 277-5789-ND          | 2.070           | 1   | 651-1844249          | 2.030           | 1   | -             |                     |                 |     |
| 108 | 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   |
| 109 | 1                   | SMAJ51A            | SMA  | ZD1                  | 2677667 | SMAJ51A             | 0.144           | 5   | SMAJ51ALFCT-ND       | 0.370           | 1   | 652-SMAJ51A          | 0.463           | 1   | 171-4238      | SMAJ51A             | 0.320           | 25  |
| 110 | 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 |
| 111 | 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   |
| 112 | 1                   | MMSZ5230BT1G       | SOD-123                                      | ZD4                  | 1431272 | MMSZ5230BT1G        | 0.177           | 10  | MMSZ5230BT1G OSCT-ND | 0.148           | 10  | 863-MMSZ5230BT1G     | 0.170           | 10  | 545-3033      | MMSZ5230BT1 G       | 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 |  |
| 5             | N.C. | 0805     | C43, C44, 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. | 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 |  |
| 1             | N.C. | 0805     | 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 |          |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

| #   | TME |                    |                    |              |     | THT |     | Price calculation for 1 set |                     |           |             | DCP405B version |     |     |             |
|-----|-----|--------------------|--------------------|--------------|-----|-----|-----|-----------------------------|---------------------|-----------|-------------|-----------------|-----|-----|-------------|
|     | Qty | Part name          | Code / Part Number | Unit price € | MOQ |     |     | Best Supplier               | Lowest unit price € | Order Qty | Line Cost € | Installed       | THT | SMD | Line cost € |
| 99  | 2   | 330R               | 0805S8F3300T5E     | 0.015        | 100 |     | 2   | Farnell                     | 0.009 €             | 2         | 0.019       | Yes             | 0   | 2   | 0.019       |
|     | 3   | 330R               | 0805S8F3300T5E     | 0.015        | 100 |     | 3   | Farnell                     | 0.009 €             | 3         | 0.028       | No              |     |     |             |
| 100 | 2   | 330K               | 0805S8F3303T5E     | 0.015        | 100 |     | 2   | Farnell                     | 0.010 €             | 2         | 0.020       | Yes             | 0   | 2   | 0.020       |
| 101 | 1   | AC01000001007JA100 | -                  |              |     | 1   |     | Mouser                      | 0.349 €             | 1         | 0.349       | No              |     |     |             |
| 102 | 1   | 6R2                | RC0805JR-076R2     | 0.034        | 100 |     | 1   | Farnell                     | 0.012 €             | 1         | 0.012       | No              |     |     |             |
| 103 | 2   | DR1206-33R-4/8     | DR1206-33R-4/8     | 0.009        | 100 |     | 2   | RS                          | 0.004 €             | 2         | 0.008       | Yes             | 0   | 2   | 0.008       |
| 104 | 1   | SRF0703-821M       | -                  |              |     |     | 1   | Mouser                      | 0.681 €             | 1         | 0.681       | Yes             | 0   | 1   | 0.681       |
| 105 | 1   | 39-30-1020         | MX-39-30-1020      | 0.339        | 5   | 1   |     | TME                         | 0.339 €             | 1         | 0.339       | Yes             | 1   |     | 0.339       |
| 106 | 1   | 77317-104-28LF     | -                  |              |     | 1   |     | Digikey                     | 1.030 €             | 1         | 1.030       | Yes             | 1   |     | 1.030       |
| 107 | 1   | 1844249            | -                  |              |     | 1   |     | Farnell                     | 1.830 €             | 1         | 1.830       | No              |     |     |             |
| 108 | 1   | DS1024-2*10R0      | ZL263-20DG         | 0.335        | 2   | 1   |     | TME                         | 0.335 €             | 1         | 0.335       | Yes             | 1   |     | 0.335       |
| 109 | 1   | SMAJ51A            | SMAJ51A-LF         | 0.201        | 3   |     | 1   | Farnell                     | 0.144 €             | 1         | 0.144       | Yes             | 0   | 1   | 0.144       |
| 110 | 1   | MM3Z9V1T1G         | MM3Z9V1T1G         | 0.020        | 25  |     | 1   | TME                         | 0.020 €             | 1         | 0.020       | No              |     |     |             |
| 111 | 1   | SLVU2.8-TP         | -                  |              |     |     | 1   | Mouser                      | 0.664 €             | 1         | 0.664       | No              |     |     |             |
| 112 | 1   | MMSZ5230BT1G       | MMSZ5230BT1G       | 0.033        | 25  |     | 1   | TME                         | 0.033 €             | 1         | 0.033       | No              |     |     |             |
|     |     |                    |                    |              |     | 18  | 263 |                             |                     |           |             | 67.71 €         | 11  | 209 | 56.00 €     |

| Not installed |      |                  |    |       |     |  |   |         |         |   |       |    |  |  |  |
|---------------|------|------------------|----|-------|-----|--|---|---------|---------|---|-------|----|--|--|--|
| 1             | N.C. |                  |    |       |     |  | 1 | Farnell | 0.000 € | 1 | 0.000 | No |  |  |  |
| 1             | N.C. | CC0805JRNPO9BN47 | 1  | 0.024 | 100 |  | 1 | TME     | 0.024 € | 1 | 0.024 | No |  |  |  |
| 5             | N.C. |                  |    |       |     |  | 5 | Farnell | 0.000 € | 5 | 0.000 | No |  |  |  |
| 1             | N.C. | CL21B105KOFNNNE  |    | 0.010 | 100 |  | 1 | TME     | 0.010 € | 1 | 0.010 | No |  |  |  |
| 1             | N.C. |                  |    |       |     |  | 1 | Farnell | 0.000 € | 1 | 0.000 | No |  |  |  |
| 1             | N.C. |                  |    |       |     |  | 1 | Farnell | 0.000 € | 1 | 0.000 | No |  |  |  |
| 1             | N.C. | CRCW25124K70FKTH | BC | 0.113 | 10  |  | 1 | TME     | 0.113 € | 1 | 0.113 | No |  |  |  |
| 1             | N.C. |                  |    |       |     |  |   |         |         |   |       | No |  |  |  |

| Related parts and acces: |            |            |  |       |     |  |  |     |         |   |       |     |   |   |       |
|--------------------------|------------|------------|--|-------|-----|--|--|-----|---------|---|-------|-----|---|---|-------|
| 2                        | PMB-1      | PMB-1      |  | 0.072 | 10  |  |  | TME | 0.072 € | 2 | 0.145 | Yes | 0 | 0 | 0.145 |
| 1                        | SK96/84/SA | SK96/84SA  |  | 2.360 | 1   |  |  | TME | 2.360 € | 1 | 2.360 | Yes | 0 | 0 | 2.360 |
| 2                        | B3X5/BN661 | B3X5/BN661 |  | 0.015 | 100 |  |  | TME | 0.015 € | 2 | 0.029 | Yes | 0 | 0 | 0.029 |

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

#### Custom made components

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

*All prices are net prices (without VAT)*

**Note: 1) Use wire jumper on DCP405B instead of fuse holders**

**2) Place 0R 0805 jumpers on DCP405B**

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         |             |                    |                 |     | THT | SMD     | Price calculation for 1 set |                           |              |             | DCP405B version |     |        |             |
|----------------------|-------------|-------------|--------------------|-----------------|-----|-----|---------|-----------------------------|---------------------------|--------------|-------------|-----------------|-----|--------|-------------|
|                      | Qty         | Part name   | Code / Part Number | Unit price<br>€ | MOQ |     |         | Best<br>Supplier            | Lowest<br>unit price<br>€ | Order<br>Qty | Line Cost € | Installed       | THT | SMD    | Line cost € |
| 2                    | M3X5/D7985  | M3X5/D7985  | 0.012              | 100             |     |     | TME     | 0.012 €                     | 2                         | 0.024        | Yes         | 0               | 0   | 0.024  |             |
| 5                    | M3X8/D7985B | M3X5/D7985  | 0.012              | 100             |     |     | TME     | 0.012 €                     | 5                         | 0.060        | Yes         | 0               | 0   | 0.060  |             |
| 3                    | B3/BN789    | B3/BN789    | 0.010              | 100             |     |     | TME     | 0.010 €                     | 3                         | 0.030        | Yes         | 0               | 0   | 0.030  |             |
| 2                    | 522.725     | ZCT-6.3A    | 0.152              | 10              |     |     | TME     | 0.152 €                     | 2                         | 0.304        | No          |                 |     |        |             |
| 1                    | LRS-150F-48 | LRS-150F-48 | 15.650             | 1               |     |     | TME     | 15.650 €                    | 1                         | 15.650       | Yes         | 0               | 0   | 15.650 |             |
| 1                    | TBC-07      | TBC-07      | 0.260              | 1               |     |     | Digikey | 0.260 €                     | 1                         | 0.260        | Yes         | 0               | 0   | 0.260  |             |
|                      |             |             |                    |                 |     |     |         |                             |                           | 18.86 €      | 18.56 €     |                 |     |        |             |
| Custom made componen |             |             |                    |                 |     |     |         |                             |                           |              |             |                 |     |        |             |
| 1                    | PCB         |             |                    |                 |     |     | ALLPCB  | 8.829 €                     | 1                         | 8.829        | Yes         | 0               | 0   | 8.829  |             |
|                      |             |             |                    |                 |     |     |         |                             |                           | 8.83 €       | 8.83 €      |                 |     |        |             |

Total 95.40 € Total 83.39 €

Note: