|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Stk.** | **Wert / Bezeichnung** | **Nomenklatur auf der Platine** | **Lieferant** | **Hersteller** | **Bestellnummer** |  |
| 1. | **18** | **100 Ohm / 0,5W** | **RD5,RD8,R6,7,10,11,14,15,18,19,22,23,26,27,30,31,34** | **Digikey** | **Vishay Dale CMF** | [**CMF100HFCT-ND**](http://www.digikey.de/product-detail/de/CMF55100R00FHEB/CMF100HFCT-ND/1554911) |  |
| 2. | 2 | 240(243) Ohm / 0,5W | RD9,RD10, | Digikey | Vishay Dale CMF | [CMF243HFCT-ND](http://www.digikey.de/product-detail/de/CMF55243R00FHEB/CMF243HFCT-ND/1554948) |  |
| 3. | 2 | 1K / 0,5W | RD4,RD7 | Digikey | Vishay Dale CMF | [CMF1.00KHFCT-ND](http://www.digikey.de/product-detail/de/CMF551K0000FHEB/CMF1.00KHFCT-ND/1555007) |  |
| 4. | 8 | 4K7(4K75) / 0,5W | R5,12,13,20,24,25,32,33 | Digikey | Vishay Dale CMF | [CMF4.75KHFCT-ND](http://www.digikey.de/product-detail/de/CMF554K7500FHEB/CMF4.75KHFCT-ND/1555072) |  |
| 5. | 1 | 100K / 0,5W | RD11 | Digikey | Vishay Dale CMF | [CMF100KHFCT-ND](http://www.digikey.de/product-detail/de/CMF55100K00FHEB/CMF100KHFCT-ND/1555200) |  |
| 6. | 3 | XXX /0,5W | RLED OUT A ,RLED OUTB, RLED REM. | Digikey | Vishay Dale CMF | (Vorschlag: 499Ohm - [CMF499HFCT-ND](http://www.digikey.de/product-detail/de/CMF55499R00FHEB/CMF499HFCT-ND/1554978)) |  |
| 7. | 8 | 1 Ohm / 2W | R39,41,43,44,49,51,53,54 | Digikey | Panasonic | [P1.0W-2BK-ND](http://www.digikey.de/product-detail/de/ERX-2SJ1R0/P1.0W-2BK-ND/36107) |  |
| 8. | 4 | 3,3 Ohm / 2W | R1,2,3,4 | Digikey | Panasonic | [P3.3W-2BK-ND](http://www.digikey.de/product-detail/de/ERX-2SJ3R3/P3.3W-2BK-ND/36145) |  |
| 9. | 2 | 47 Ohm / 2W | RD1,2 | Digikey | Panasonic | [P47W-2BK-ND](http://www.digikey.de/product-detail/de/ERG-2SJ470/P47W-2BK-ND/36233) |  |
| 10. | 12 | 10K / 2W | R37,38,40,42,45,46,47,48,50,52,55,56 | Digikey | Panasonic | [P10KW-2BK-ND](http://www.digikey.de/product-detail/de/ERG-2SJ103/P10KW-2BK-ND/36422) |  |
| 11. | 2 | 5 K multiturn trimmer | TD1,2 | Digikey | Vishay Sfernice | [T93YA-5.0K-ND](http://www.digikey.de/scripts/dksearch/dksus.dll?vendor=0&keywords=T93YA-5.0K-ND) |  |
| 12. | 2 | NTC 5 Ohm | NTCX1,NTC2 | Digikey  (Conrad) | Epcos | [495-2093-ND](http://www.digikey.de/scripts/dksearch/dksus.dll?vendor=0&keywords=495-2093-ND)  (oder [B57 235](http://www.conrad.de/ce/de/product/500418/Epcos-Heissleiter-B57-235-HEISSLEITER-EINSCHALTSTROMBEGRENZER-S2-R-25-5-S235-Nenn-Temperatur-25-C-Toleranz-20-)) |  |
| 13. | 7 | 10nF/63VAC FKP2 | CX1,CTR1,2,3,4,CD5,6 | Bürklin | Wima | [42D754](https://www.buerklin.com/default.asp?event=ShowSE()&search=42D754&suggestion=&l=d&ch=85079) |  |
| 14. | 2 | 100nF/275VAC (X2) | CX4,5 | Digikey | Panasonic ECQ UL | [P10730-ND](http://www.digikey.de/scripts/dksearch/dksus.dll?vendor=0&keywords=P10730-ND) |  |
| 15. | 6 | (2200uF)220uF/25V | CD5,6,7,8,9,10 | Digikey | Panasonic NHG | [P5541-ND](http://www.digikey.de/scripts/dksearch/dksus.dll?vendor=0&keywords=P5541-ND) |  |
| 16. | 8 | 220uF/50V | C10,11,14,15,18,19,22,23 | Digikey | Panasonic NHG | [P5572-ND](http://www.digikey.de/scripts/dksearch/dksus.dll?vendor=0&keywords=P5572-ND) |  |
| 17. | 16 | 1000uF/50V | C9,12,13,16,17,20,21,24,25,26,27,28,29,30,31,32 | Digikey | Panasonic FM | [P12393-ND](http://www.digikey.de/scripts/dksearch/dksus.dll?vendor=0&keywords=P12393-ND) |  |
| 18. | 4 | 2700uF/25V | CD1,2,3,4 | Digikey | Panasonic FM | [P12385-ND](http://www.digikey.de/scripts/dksearch/dksus.dll?vendor=0&keywords=P12385-ND) |  |
| 19. | 2 | 3900uF/16V | CX2,3 | Digikey | Panasonic FM | [P12374-ND](http://www.digikey.de/scripts/dksearch/dksus.dll?vendor=0&keywords=P12374-ND) |  |
| 20. | 8 | 10000uF/50V | C1,2,3,4,5,6,7,8 | Digikey | Panasonic TSHA | [P6691-ND](http://www.digikey.de/scripts/dksearch/dksus.dll?vendor=0&keywords=P6691-ND) |  |
| 21. | 20 | Diode 31DQ10 | D1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,DD1,2,3,4 | Digikey  (Schuro) | Vishay | [31DQ10-ND](http://www.digikey.de/scripts/dksearch/dksus.dll?vendor=0&keywords=31DQ10-ND)  (oder [31DQ10](http://www.hifituning24.de/aktive_bauelemente/dioden/schottky_dioden/31dq10.php)) |  |
| 22. | 6 | Diode 1N4148  (oder Diode 1N4007) | D17,18,19,20,DD7,8 | Digikey | Vishay | [1N4148-TAPCT-ND](http://www.digikey.de/product-detail/de/1N4148-TAP/1N4148-TAPCT-ND/3104296)  (oder [1N4007-E3/54GICT-ND](http://www.digikey.de/scripts/dksearch/dksus.dll?vendor=0&keywords=1N4007-E3/54GICT-ND)) |  |
| 23. | 2 | Diode 1N4007 | DD5,6 | Digikey | Vishay | [1N4007-E3/54GICT-ND](http://www.digikey.de/scripts/dksearch/dksus.dll?vendor=0&keywords=1N4007-E3/54GICT-ND) |  |
| 24. | 2 | Diode 1N5404 | DX1,2 | Digikey | Vishay | [1N5404-E3/54GICT-ND](http://www.digikey.de/product-detail/de/1N5404-E3%2F54/1N5404-E3%2F54GICT-ND/160626) |  |
| 25. | 2 | Zenerdiode 13V/0,5W | RD3,4 | Digikey | NXP | [568-5886-1-ND](http://www.digikey.de/product-detail/de/NZX13A,133/568-5886-1-ND/2531173) |  |
| 26. | 3 | Led diode | LED Ausgang A/B , LED REM.(Betriebsanzeige) |  |  |  |  |
| 27. | 5 | BC639 | Q1,3,9,11,QD2 | Digikey | ON | [BC639-16ZL1GOSCT-ND](http://www.digikey.de/product-detail/de/BC639-16ZL1G/BC639-16ZL1GOSCT-ND/2120548) |  |
| 28. | 5 | BC640 | Q2,4,10,12,QD4 | Digikey | ON | [BC640-016GOS-ND](http://www.digikey.de/scripts/dksearch/dksus.dll?vendor=0&keywords=BC640-016GOS-ND) |  |
| 29. | 5 | 2SC4793 | Q5,7,13,15,QD1 | Digikey | Toshiba | [2SC4793FM-ND](http://www.digikey.de/scripts/dksearch/dksus.dll?vendor=0&keywords=2SC4793FM-ND) |  |
| 30. | 5 | 2SA1837 | Q6,8,14,16,QD16 | Digikey | Toshiba | [2SA1837FM-ND](http://www.digikey.de/scripts/dksearch/dksus.dll?vendor=0&keywords=2SA1837FM-ND) |  |
| 31. | 1 | IRF610 (oder IRF510, IRF630) | QD5 | Digikey | Vishay | [IRF610PBF-ND](http://www.digikey.de/scripts/dksearch/dksus.dll?vendor=0&keywords=IRF610PBF-ND)  (oder [IRF510PBF-ND](http://www.google.com/url?q=http%3A%2F%2Fwww.digikey.de%2Fproduct-detail%2Fde%2FIRF510PBF%2FIRF510PBF-ND%2F811710&sa=D&sntz=1&usg=AFQjCNFwWEnYV_kzDKpQj-zSNWgSatRmEA), [IRF630PBF-ND](http://www.google.com/url?q=http%3A%2F%2Fwww.digikey.de%2Fproduct-detail%2Fde%2FIRF630PBF%2FIRF630PBF-ND%2F812782&sa=D&sntz=1&usg=AFQjCNGzG5K2mzyN4Z-gQNVsCiqYgTw17Q)) |  |
| 32. | 2 | LM317 | REGD1,2 | Digikey | NS | [LM317AT-ND (oder Standard LM317)](http://www.digikey.de/scripts/dksearch/dksus.dll?vendor=0&keywords=LM317AT-ND) |  |
| 33. | 3 | VDR 275VAC | VDRX1,2,3 | Digikey | Epcos | [495-4288-ND](http://www.digikey.de/scripts/dksearch/dksus.dll?vendor=0&keywords=495-4288-ND) |  |
| 34. | 1 | 25W toroidal transformer | TR1 | Reichelt | Talema | [RKPT25215](http://www.reichelt.de/Ringkerntrafos/RKPT-25215/3//index.html?ACTION=3&GROUPID=3321&ARTICLE=27109&SHOW=1&START=0&OFFSET=16&) |  |
| 35. | 2 | Breitbanddrosselspule | LD1,2 | Reichelt | FASTRON | [06H-85](http://www.reichelt.de/Fest-Induktivitaeten-axial/06H-85/3//index.html?ACTION=3&GROUPID=3179&ARTICLE=1104&SHOW=1&START=0&OFFSET=16&) |  |
| 36. | 2 | Entstoerdrossel 3A,2mH | LX1,2 | Digikey  (Bürklin) | Schaffner | [RN114-3-02](http://www.digikey.de/product-search/de?x=0&y=0&lang=de&site=de&KeyWords=817-1544-ND)  ([76D2084](https://www.buerklin.com/default.asp?event=ShowSE()&search=76D2084&suggestion=&l=d&ch=78769)) |  |
| 37. | 1 | Dil switch 2 polig | SWD1 | Reichelt |  | [NT02](http://www.reichelt.de/Dip-Kodierschalter/NT-02/3//index.html?ACTION=3&GROUPID=3287&ARTICLE=36464&SHOW=1&START=0&OFFSET=16&) |  |
| 38. | 1 | Dil switch 8 polig | SWD2 | Reichelt |  | [NT08](http://www.reichelt.de/Dip-Kodierschalter/NT-08/3//index.html?ACTION=3&GROUPID=3287&ARTICLE=13534&SHOW=1&START=0&OFFSET=16&) |  |
| 39. | 6 | Miniatur Relais 12VDC | RY1,2,3,4,RYD1,2 | Reichelt | -- | [FRT5 DC12V](http://www.reichelt.de/Miniaturrelais/FRT5-DC12V/3//index.html?ACTION=3&GROUPID=3292&ARTICLE=79366&SHOW=1&START=0&OFFSET=16&) |  |
| 40. | 24 | Schraubklemme 2 pol. anrei. | CON1,2,3,4,5,6,7,8,9,10,11 | Digikey  (Conrad) | PTR AKZ 350 | [277-6405-ND](http://www.digikey.de/scripts/dksearch/dksus.dll?vendor=0&keywords=277-6405-ND)  ([731986-62](http://www.conrad.de/ce/de/product/731986/)) |  |
| 41. | 6 | Steckverbinder 2 pol. komp. | SW OUT A,B , LED OUT A,B , PS, LEDREM | Reichelt |  | [PS25/2G BR](http://www.reichelt.de/Platinen-Steckverbinder/PS-25-2G-BR/3//index.html?ACTION=3&GROUPID=5216&ARTICLE=38232&SHOW=1&START=0&OFFSET=16&) |  |
| 42. | 10 | Kuehlkoerper | SK 104/25,4 STS | Reichelt | Fischer | [V PR32/25,4](http://www.reichelt.de/Finger-Aufsteckkuehlkoerper/V-PR32-25-4/3//index.html?ACTION=3&GROUPID=3379&ARTICLE=35374&SHOW=1&START=0&OFFSET=16&) |  |
| 43. | 2 | Sicherungshalter PLOGD | Fuse1,2 | Reichelt | Schurter | [PL OGD](http://www.reichelt.de/Sicherungshalter/PL-OGD/3//index.html?ACTION=3&GROUPID=3308&ARTICLE=53019&SHOW=1&START=0&OFFSET=16&) |  |
| 44. | 2 | Kappe fur Sicherungshalter | Fuse1,2 | Reichelt | Schurter | [PL OGD Kappe](http://www.reichelt.de/Sicherungshalter/PL-OGD-KAPPE/3//index.html?ACTION=3&GROUPID=3308&ARTICLE=53020&SHOW=1&START=0&OFFSET=16&) |  |
| 45. | 1 | Halter f. Minisicherung | F3 | Reichelt | ELU | [PL 166600](http://www.reichelt.de/Sicherungshalter/PL-166600/3//index.html?ACTION=3&GROUPID=3308&ARTICLE=17544&SHOW=1&START=0&OFFSET=16&) |  |
| 46. | 1 | Minisicherung 315mA | F3 | Reichelt | ESKA | [Mini traege 0,315](http://www.reichelt.de/Miniatur-Sicherungen/MINI-TRAeGE-0-315/3//index.html?ACTION=3&GROUPID=3306&ARTICLE=23912&SHOW=1&START=0&OFFSET=16&) |  |
| 47. | 12 | Loetstuetzpunkt |  | Bürklin |  | [12H6142](https://www.buerklin.com/default.asp?event=ShowSE()&search=12H6142&suggestion=&l=d&ch=41305) |  |
| 48. | 29 | Abstandshalter | 10 – 15mm M3 |  |  |  |  |
| 49. | 29 | Schraube | M3 x 6mm |  |  |  |  |
| 50. | 1 | Schraube fuer Talema Trafo | M4 x 10mm |  |  |  |  |
| 51. | 2 | Schalter fuer Ausgang A-B | nach eigener Wahl |  |  |  |  |