

sand4_2v11_all_ohne_relais

(c) Sven Brandt - TXT (TAB delimited) from sand4_2v11.sch (Date: 2018-02-08), all Parts!

| Qty | Parts | Bezeichnung | Anmerkung |
|-----|--|--|----------------------------|
| 1 | IC1 | Prozessor PIC 16F684, SOIC-14 | |
| 1 | IC2 | Spannungsregler 7805, TO-220 | |
| 1 | IC4 | Logic-IC 4094, SOIC-16 | |
| 1 | IC6 | Logic-IC 4011, SOIC-14 | |
| 1 | IC3 | Treiber ULN2803, SOIC-18 | |
| 1 | OK1 | Optokoppler 6N137, Schnell, DIL-8 | ggf. 8-poliger IC-Sockel |
| 4 | LED1, LED2, LED3, LED4 | LED, 1206, Gelb | |
| 2 | LED5, LED10 | LED, 1206, Gruen | |
| 4 | T1, T2, T3, T4 | Transistor PNP BC807, SOT23 | |
| 1 | D10 | Doppel-Diode BAV99, SOT23 | |
| 1 | G1 | Gleichrichter 8.5 x 10 mm, z.B. B40S/B80S/DF005S/DF01S/DB103S/DBLS201G | |
| 1 | C20 | Tantal 100uF, 6.3V, C | |
| 1 | C1 | Elko 470uF, 35V, RM=5mm, D=10mm, radial (stehend) | |
| 1 | C2 | Keramik-C 47pF (NPO), 0805 | |
| 5 | C10, C11, C12, C13, C14 | Keramik-C 1nF (NPO), 0805 | |
| 7 | C3, C4, C5, C6, C7, C8, C9 | Keramik-C 100nF (X7R), 1206 | |
| 4 | R30, R31, R32, R33 | Widerstand 220 R, 1206 | |
| 1 | R18 | Widerstand 470 R, 1206 | |
| 10 | R6, R7, R8, R9, R10, R11, R40, R41, R42, R43 | Widerstand 1 kR, 1206 | |
| 8 | R1, R2, R3, R4, R12, R20, R21, R22 | Widerstand 10 kR, 1206 | |
| 1 | F1 | Sicherung 1A, SMD | |
| 1 | SW1 | Taster 9313 SMD 6x6 | |
| 2 | X5, X9 | Stecksystem 2-polig, RM 3.5 mm Stecker (PCB) | mit AKL 169-02 |
| 2 | X5A, X9A | Stecksystem 2-polig, RM 3.5 mm Buchse (Kabel) | mit AKL 182-02 |
| 4 | S1, S2, S3, S4 | Stiftleiste 1x3-polig, RM 2.54 mm | SL 1X40G 2,54 = 1x 40-pol. |
| 1 | X20 | Stiftleiste 2x3-polig, RM 2.54 mm | SL 2X40G 2,54 = 2x 40pol. |
| 1 | Z1 | DIN-Schienen-Halter | optional |
| 1 | KK1 | Kuehlkoerper PR32 39,1mm | mit Montage (M3) |
| 1 | U\$4 | kein Bauteil | |
| 1 | U\$3 | kein Bauteil | |
| 1 | U\$5 | kein Bauteil | |
| 2 | D1, D2 | unbestückt | |