

| Comment        | Description   | Designator   | Footprint             | LibRef                   | Quantity |
|----------------|---|--|-----------------------|--------------------------|----------|
| Capacitor      | jednak te co<br>zwykle 0603   | C1, C2, C3, C4, C5, C6,<br>C8, C9, C10, C12, C15,<br>C16, C17, C18, C19,<br>C20, C21, C22, C23,<br>C25, C26, C27 | CAP FILM 0603_1608    | Capacitor                | 22       |
| Capacitor      | Daj tu ten wiekszy 0805<br>dzbanie  | C11, C14   | CAP FILM 0805         | Capacitor                | 2        |
| Capacitor      | to ten duzy<br>elektrolityczny smd  | C13, C24   | CAPAE7266X80M         | Capacitor                | 2        |
| CONNECT_PAD    |   | CP1, CP2, CP3, CP4   | ROUND_SMALL           | CONNECT_PAD              | 4        |
| Zener Diode    | Zener Diode   | D1   | SODFL375X135-2N       | Zener Diode              | 1        |
| BTT header 2x7 |   | J1   | BTT connector 2x7 THT | BTT header 2x7           | 1        |
| Inductor       | Inductor  | L1, L2   | INDP135128X65N        | Inductor                 | 2        |
| BSS806N        | N-Channel OptiMOS 2<br>Small-Signal-<br>Transistor, 20 V VDS,<br>2.3 A ID, -55 to 150<br>degC, PG-SOT23, Reel,<br>Green | Q1   | INF-PG-SOT23_M        | CMP-1149-00036-1         | 1        |
| STP80NF55-06   | N-Channel<br>STripFET(TM) II Power<br>MOSFET, 55 V, 80 A, 5<br>mOhm, -55 to 175<br>degC, 3-Pin TO-220,<br>RoHS, Tube    | Q2, Q3   | STM-TO-220A-3         | CMP-2000-07168-1         | 2        |
| Resistor       | Resistor  | R1, R2, R3, R4, R5, R6,<br>R7, R9  | RES 0603_1608         | Resistor                 | 8        |
| T93YB103KT20   | T93YB103KT20 Resistor<br>Trimmer, Cermet, 10<br>kOhm, ± 10%, 500<br>mW, 23 Turn, Multi<br>Turn, Through Hole            | R8   | FP-T93YB-MFG          | CMP-00030-39738570-<br>1 | 1        |
| Resistor       | Resistor  | R10  | RES 0603_1608 RF      | Resistor                 | 1        |
| SOLDER_PAD     |   | S_PAD1, S_PAD2,<br>S_PAD3, S_PAD4,<br>S_PAD5, S_PAD6,<br>S_PAD7, S_PAD8,<br>S_PAD9, S_PAD10,<br>S_PAD11, S_PAD12 | PAD_SQUARE            | SOLDER_PAD               | 12       |
| SOLDER_PAD     |   | S_PAD13, S_PAD14,<br>S_PAD15, S_PAD16  | POWER_PAD             | SOLDER_PAD               | 4        |
| AMS1117-3.3    | LDO Voltage Regulators<br>1A, 3.3V  | U1   | FP-AMS1117-IPC_C      | CMP-209535-000001-1      | 1        |
| STM32F103C6T6A | ARM Cortex-M3 32-bit<br>MCU, 32 KB Flash, 10<br>KB Internal RAM, 37 I/<br>Os, 48-pin LQFP, -40 to<br>85 degC, Tray      | U2   | STM-LQFP48_M          | CMP-0237-00254-3         | 1        |
| LM25141QRGERQ1 | AUTOMOTIVE, 2.2MHZ,<br>LOW IQ SYNCH   | U3   | FP-RGE0024J-IPC_A     | CMP-04918-000466-1       | 1        |