



Bill Of Materials

| Line # | Designator | Comment | Quantity |
|--------|---------------------------------------|--------------------------|----------|
| 1 | BOOST1 | TPS552892RYQR | 1 |
| 2 | BOOST2 | TPS61023DRLT | 1 |
| 3 | C1, C2 | 100 nF | 2 |
| 4 | C3, C4, C19 | 10 µF | 3 |
| 5 | C5 | 82 nF | 1 |
| 6 | C6 | 24 nF | 1 |
| 7 | C7 | 4.7 µF | 1 |
| 8 | C8 | 56 µF | 1 |
| 9 | C9, C15, C16, C17 | 22 µF | 4 |
| 10 | C10, C11, C12, C18 | 100 nF | 4 |
| 11 | C13, C14 | 27 µF | 2 |
| 12 | C20, C21 | 22 µF | 2 |
| 13 | D1 | SSB44-M3_5BT | 1 |
| 14 | DRML, DRMR, PROP, SOL, STMB, STMP, SW | B2B-XH-A(LF)(SN) | 7 |
| 15 | DRV1, DRV2 | DRV8847PWPR | 2 |
| 16 | L1 | 4.7 µH | 1 |
| 17 | L2 | 1 µH | 1 |
| 18 | MCU | Feather RP2040 Adalogger | 1 |
| 19 | Q1 | DMN6075S-7 | 1 |
| 20 | R1, R4 | 110 mΩ | 2 |
| 21 | R2, R5 | 680 mΩ | 2 |
| 22 | R3, R6, R10 | 10 kΩ | 3 |
| 23 | R7 | 4.7 kΩ | 1 |
| 24 | R8 | 301 Ω | 1 |
| 25 | R9 | 49.9 kΩ | 1 |
| 26 | R11 | 100 kΩ | 1 |
| 27 | R12 | 732 kΩ | 1 |
| 28 | SVOB, SVOP, TMP | B3B-XH-A(LF)(SN) | 3 |

Realistic View

