

| Step | Qty | Reference(s) | Value | Part | Note |
|------|-----|--------------|---------------------|--|--|
| 1 | 2 | D1, D2 | 1N5819 | Diode_THT:D_DO-41 | |
| 2 | 1 | | Conn_02x05_Odd_Even | Connector_PinHeader_2.54mm:PinHeader_2x05_P2.54mm_Vertical | Euro Power Header (shrouded) |
| 3 | 2 | R1, R2 | 10R | Resistor_THT:R_Axial_DIN0207_L6.3mm | |
| 4 | 5 | | Conn_01x02_Male | snap off pins in pairs, mount to BB before soldering to ensure fit | 1x2 upright at left GND, 1x2 twice under each power rail |
| 5 | 1 | | Conn_01x02_Female | | upright at 5V section for jumper access |
| 6 | 3 | D3, D4, D5 | LED | LED_THT:LED_D5.0mm | any color, mind the orientation |
| 7 | 2 | R3, R5 | 30K | THT:R_Axial_DIN0207_L6.3mm | R_LED for 12V |
| 8 | 1 | R4 | 15K | THT:R_Axial_DIN0207_L6.3mm | R_LED for 5V |
| 9 | 2 | C3, C4 | 100n | THT:C_Disc_D5.0mm_W2.5mm_P5.00mm | optional if 5V support |
| 10 | 3 | C1, C2, C5 | 10u | THT:CP_Radial_D5.0mm_P2.50mm | |
| 11 | 1 | U1 | L7805 | Package_TO_SOT_THT:TO-220-3_Vertical | optional if 5V support |