# clee Euro Bits BOM

| | References | Value | Footprint | Quantity | Notes (including specific sources) |
|---|---|---|---|---|---|
| 1 | C1, C2, C3, C4, C9, C10, C12, C13, C16, C17, C20, C21, C28, C31 | 100nF | C_0805_HandSoldering | 14 | |
| 2 | C14, C19, C23, C29, C30 | 22p | C_0805_HandSoldering | 5 | |
| 3 | C18, C22, C24, C39 | 1n | C_0805_HandSoldering | 4 | |
| 4 | C5, C8, C15 | 100p | C_0805_HandSoldering | 3 | |
| 5 | C34 | 330n | C_0805_HandSoldering | 1 | |
| 6 | C6, C7, C33 | 1uF | C_Rect_L7.2mm_W3.5mm_P5.00mm_FKS2_FKP2_MKS2_MKP2 | 3 | Through Hole Film caps |
| 7 | C27, C32, C36, C38 | 47uF | c_elec_6.3x5.3 | 4 | |
| 8 | R1, R3, R4, R5, R6, R7, R8, R10, R12, R14, R15, R17, R18, R21, R28, R34, R36 | 100K | R_0805_HandSoldering | 17 | |
| 9 | R19, R22, R23, R38, R39, R40 | 10K | R_0805_HandSoldering | 6 | |
| 10 | R2, R26, R27 | 20K | R_0805_HandSoldering | 3 | |
| 11 | R9, R16, R30 | 51K | R_0805_HandSoldering | 3 | |
| 12 | R11, R13, R20 | 150K | R_0805_HandSoldering | 3 | |
| 13 | R31, R32, R33 | 470R | R_0805_HandSoldering | 3 | |
| 14 | R35, R37 | 330R | R_0805_HandSoldering | 2 | |
| 15 | R24 | 15K | R_0805_HandSoldering | 1 | |
| 16 | R25 | 1K | R_0805_HandSoldering | 1 | |
| 17 | R29 | 200K | R_0805_HandSoldering | 1 | |
| 18 | R41 | 100R | R_0805_HandSoldering | 1 | |
| 19 | L1 | Ferrite_Bead | Resistor_Horizontal_RM10mm | 1 | |
| 20 | D1, D2 | 1N4001 | Diode_DO-41_SOD81_Horizontal_RM10 | 2 | |
| 21 | U1 | Teensy3.2 | Simplified_Teensy30_31_32_LC | 1 | |
| 22 | U2 | LM7805_TO220 | TO-220_Horizontal | 1 | |
| 23 | F1, F2 | Fuse_Small | C_Rect_L7.0mm_W2.5mm_P5.00mm | 2 | PTC fuses https://www.mouser.com/ProductDetail/650-TRF250-120 |
| 24 | SW1 | Offset | submini_toggle_DPDT_wider | 1 | Submini Toggle DPDT from JameCo https://www.jameco.com/webapp/wcs/stores/servlet/ProductDisplay?langId=-1&storeId=10001&catalogId=10001&productId=75977 |
| 25 | SW2 | Range | submini_toggle_SPDT_2267079 | 1 | Submini Toggle SPDT from JameCo https://www.jameco.com/webapp/wcs/stores/servlet/ProductDisplay?langId=-1&storeId=10001&catalogId=10001&productId=75969 |
| 26 | Q3 | 5.1V Zener | Diode_DO-35_SOD27_Horizontal_RM10 | 1 | |
| 27 | LED2 (rate) | LED | LED-3MM | 1 | |
| 28 | LED1 | CLIP LED | LED-3MM DUAL | 1 | Dual LED from Mouser https://www.mouser.com/ProductDetail/604-WP3VEGW |
| 29 | RV1, RV2, RV3, RV6, RV7, RV8 | 50K | Potentiometer_Alps_RK09K_Horizontal | 6 | |
| 30 | RV4 | 100K | Potentiometer_Alps_RK09K_Horizontal | 1 | |
| 31 | RV9 | 10K | Potentiometer_Alps_RK09K_Horizontal | 1 | |
| 32 | RV5 | prefilter | Potentiometer_Alps_RK09L_Double_Horizontal | 1 | |
| 33 | TR1 | 50K | Potentiometer_Trimmer_Bourns_3296W | 1 | |
| 34 | TR2 | 10K | Potentiometer_Trimmer_Bourns_3296W | 1 | |
| 35 | IC1 | TL074 | SOIC-14_3.9x8.7mm_Pitch1.27mm | 1 | |
| 36 | IC2, IC4 | MCP6002-xP | SOIC-8_3.9x4.9mm_Pitch1.27mm | 2 | |
| 37 | IC5, IC6 | OPA2134 | SOIC-8_3.9x4.9mm_Pitch1.27mm | 2 | |
| 38 | IC8 | TL072 | SOIC-8_3.9x4.9mm_Pitch1.27mm | 1 | |
| 39 | Q1, Q2 | LM4040LP-3 | TO-92_Inline_Wide | 2 | |
| 40 | J100 | Conn_02x05_Odd_Eve | IDC_Header_Straight_10pins | 1 | |
| 41 | J1, J2 | Conn_01x16_Male | Pin_Header_Straight_1x16 | 2 | |
| 42 | J3, J4 | Conn_01x16_Female | Socket_Strip_Straight_1x16 | 2 | |
| 43 | J5 | rate CV in | thonkiconn | 1 | Thonk |
| 44 | J6 | bits CV in | thonkiconn | 1 | Thonk |
| 45 | J7 | wave CV in | thonkiconn | 1 | Thonk |
| 46 | J8 | Synth in | thonkiconn | 1 | Thonk |
| 47 | J9 | Line in Stereo | thonkiconn Stereo | 1 | Thonk |
| 48 | J10 | Synth out | thonkiconn | 1 | Thonk |
| 49 | J11 | Line out Stereo | thonkiconn Stereo | 1 | Thonk |