

| Qty | Description | Footprint | Comment | Designator |
|-----|---|-----------------------------|---------------------|---|
| 1 | 560PF 50V CERAMIC DISC CAPACITOR | 0805 Capacitor | 560pF | C14 |
| 1 | 220UF 25V 105C RADIAL ELECTROLYTIC CAPACITOR 5x11MM | Electrolytic THT/SMD | 220uF | C16 |
| 1 | 47NF 0.047UF 100V 5% JFA MYLAR FILM CAPACITORS | 0805 Capacitor | 47n | C19 |
| 1 | 51PF 50V CERAMIC DISC CAPACITOR | 0805 Capacitor | 51pF | C35 |
| 1 | Dual Potentiometer | RV16A01F-41-15R1 | B50k | Cutoff |
| 1 | High Conductance Fast Diode | MELF Diode | 1N4007 | D1 |
| 1 | LOG TAPER POTENTIOMETER PC MOUNT,Right Angle | RV16AF-41-15R1 | A10k | Depth |
| 1 | Header, 3-Pin, Dual row | HDR2X3 | ISP6 | J3 |
| 1 | FERRITE BEAD 100 OHM 25% 4A 0805 | 0805 Resistor | 1UP22012E121-4R01F | L1 |
| 1 | 5mm/3mm diffused Red Led | LED 3mm | Power Indicator | LED1 |
| 1 | Double-Pole, Double-Throw Switch On/On | A-4568 | Filter/Vibrato | LFO |
| 1 | DC POWER JACK 2.1MM BARREL-TYPE PCB MOUNT | DC-005 | DC-005 2.0 | PJ1 |
| 1 | 1/4W 5% CARBON FILM RESISTOR | 0805 Capacitor | 18k | R14 |
| 1 | 1/4W 5% CARBON FILM RESISTOR | 0805 Capacitor | 33k | R17 |
| 1 | 1/4W 5% CARBON FILM RESISTOR | 0805 Capacitor | 330k | R30 |
| 3 | SLIDE SWITCH SIDE-KNOB 1P2T THROUGH HOLE 0.5A 50VDC | C393937 | C393937 | SW1 |
| 1 | LINEAR TAPER POTENTIOMETER PC MOUNT,Right Angle. | RV16AF-41-15R1 | B100k | Time |
| 1 | Connect to male header on top Panel | HDR1X7 | 7 pin Female Header | Touch Pad Connector |
| 1 | CMOS Micropower Phase-Locked Loop | SOP16 | CD4046 | U5 |
| 1 | 12-Bit Binary Counter, DIP16 | SOP16 | CD4040 | U6 |
| 1 | LOW VOLTAGE AUDIO POWER AMPLIFIER | SOIC8 | LM386 | U7 |
| 1 | CMOS hex inverter | SOIC 14 | CD4069UB | U8 |
| 1 | Custom Lfg Chip DIP28 | DIP28 | C34931 | U9 |
| 1 | DUAL OPERATIONAL AMPLIFIER GENERAL PURPOSE IC | SOIC8 | 4558 | U10 |
| 1 | C84983 | DIP16 | PT2399 | U11 |
| 1 | Crystal 16.000MHz Through Hole HC-49S case | CRYSTAL HC-49S | C279575 | Y1 |
| 2 | 9V Battery connector, LOUD SPEAKERS 8Q 3W | 2 Pin Connector Header | A2501WV-2P | BT1, Speaker |
| 2 | RADIAL ELECTROLYTIC CAPACITOR 16V | Electrolytic THT/SMD | 4.7uF | C15, C25 |
| 2 | 1000PF 1NF 100V 5% POLYESTER FILM BOX TYPE CAPACITOR, Capacitor | 0805 Capacitor | 1n | C41, C44 |
| 2 | On/Off/On Mini Toggle, On/On mini toggle | 1A11-NF1STSE | Spdt Toggle | Glide Up/Down, Touch/Direct |
| 2 | 3-Conductor Jack with 2 break contacts (normals) and 2 auxiliary make contacts | PJ-307 / JC-128 | PJ-307N5 | J1, J2 |
| 2 | LINEAR TAPER POTENTIOMETER PC MOUNT,Right Angle. | RV16AF-41-15R1 | B50K | Mix, Repeats |
| 2 | 1/4W 5% CARBON FILM RESISTOR | 0805 Capacitor | 100k | R16, R43 |
| 2 | 1/4W 5% CARBON FILM RESISTOR | 0805 Capacitor | 47R | R20, R22 |
| 2 | 1/4W 5% CARBON FILM RESISTOR | 0805 Capacitor | 47k | R33, R48 |
| 2 | Low Cost Axial Vactrol | LDR | VTL5C | U1, U4 |
| 2 | 5V Regulator | TO-22 Transistor | 78L05 | U2, U3 |
| 3 | 15PF 50V CERAMIC DISC CAPACITOR | 0805 Capacitor | 15pF | C17, C29, C31 |
| 3 | Capacitor | 0805 Capacitor | 22n | C22, C23, C39 |
| 3 | 1/4W 5% CARBON FILM RESISTOR | 0805 Capacitor | 22k | R26, R31, R32 |
| 3 | 1/4W 5% CARBON FILM RESISTOR | 0805 Capacitor | 470k | R29, R34, R36 |
| 4 | 10UF 25V 105C RADIAL ELECTROLYTIC CAPACITOR 5X11MM, RADIAL ELECTROLYTIC CAPACITOR 16V | Electrolytic THT/SMD | 10uF | C12, C18, C43, C46 |
| 4 | RADIAL ELECTROLYTIC CAPACITOR 16V | Electrolytic THT/SMD | 2.2uF | C32, C34, C38, C40 |
| 4 | LINEAR TAPER POTENTIOMETER PC MOUNT,Right Angle. | RV16AF-41-15R1 | B10k | Master Tune, Rate, Resonance, Shape |
| 5 | RADIAL ELECTROLYTIC CAPACITOR 16V | Electrolytic THT/SMD | 100uF | C1, C2, C3, C4, C5 |
| 5 | 10NF 0.01UF 100V 5% JFA MYLAR FILM CAPACITORS | 0805 Capacitor | 10n | C21, C24, C30, C33, C50 |
| 5 | 1/4W 5% CARBON FILM RESISTOR | 0805 Capacitor | 1k | R13, R35, R40, R44, R45 |
| 7 | SLIDE POTENTIOMETER PCB MOUNT PLASTIC SHAFT LEVER HEIGHT: 15MM CENTER CLICK | RA3041F-20-15DA - duplicate | B10k/B100k | OC11, OC12, OC13, OC14, OC15, OC16, Volume |
| 12 | 1/4W 5% CARBON FILM RESISTOR | 0805 Capacitor | 4.7k | R1, R2, R3, R5, R6, R7, R9, R25, R27, R28, R37, R39 |
| 16 | 0.1UF 50V MULTILAYER MONOLITHIC CERAMIC CAPACITOR | 0805 Capacitor | 100n | C6, C7, C8, C9, C10, C11, C13, C20, C26, C27, C28, C36, C37, C42, C45, C46, C47, C49 |
| 18 | 1/4W 5% CARBON FILM RESISTOR | 0805 Capacitor | 10k | R4, R5, R10, R11, R12, R15, R18, R19, R21, R23, R24, R38, R41, R42, R46, R47, R49, R50 |
| 24 | 10K OHM TRIMMER POTENTIOMETER CERMET 25 TURNS 3296W | Precision Trimpot_3296W | 3296W-1-103 | N1, N2, N3, N4, N5, N6, N7, N8, N9, N10, N11, N12, N13, N14, N15, N16, N17, N18, N19, N20, N21, N22, N23, N24 |
| 24 | SPST 50MA @ 12VDC VERTICAL SQUARE PLUNGER 25x50GF THROUGH HOLE TACTILE SWITCHES ROHS | 12x12 tactile white round | C84931 | S1, S2, S3, S4, S5, S6, S7, S8, S9, S10, S11, S12, S13, S14, S15, S16, S17, S18, S19, S20, S21, S22, S23, S24 |

