REV 3.0 - STROH - BIT STATION 3.0 (MAIN BOARD) Can be combined with Dual VCA Board for "Ultra Edition" BP4 100nF BP3 BP5 BP6 BP7 BP11 BP12 PF1 100uF PF2 BP8 BP9 BP10 BP13 R15 U5:B 130K FB2 R16 100K OPA2134PA R3 3K R6 3K R7 3K R2 3K R4 3K R5 3K R8 3K R9 3K COMPIN 0 1 CONN-SIL1 R20 COMPIN D LED-BIRG LED3 LED-BIRG LED5 LED6 LED2 LED4 LED7 REF5 O R14 3K U4 U6:A U1:A U1:B U1:C U1:D U2:A U2:B U2:C U2:D 4041 VDD=+12 VSS=GND 4041 VDD=+12 4041 VDD=+12 VSS=GND R18 100K LM311 100K U7:B VDD=+12 VSS=GND 40106 VDD=+12 VSS=GND THRESH1 LFCMP1 SW-SPDT +12 Δ 40106 VDD=+12 VSS=GND R10 10K U5:A R/2R NETWORK RN1 U7:A 2 3 4 5 6 7 8 9 OPA2134PA VDD=+12 VSS=GND CVOUT Q1 U7:D VDD=+12 VSS=GND CLOCKIN 1 CONN-SIL1 U7:E 40106 VDD=+12 VSS=GND R30 U6:B 4070 VDD=+12 VSS=GND U7:F R28 SERIAL R29 U6:D 4070 VDD=+12 VSS=GND SERIAL Q3 +12 4070 VDD=+12 VSS=GND **D**1 DNZ U9 R25 U8 CONN-SIL1 ZENER DIODE BETWEEN 8.2V and 10V 10k R22 **D** DNZ NZ O CONN-SIL1 TL071 R26 ^{47k} R24 10k