POPCORN V1.1

CV EXP

GATE EXP

EXP_T

POWER SECTION

CONNECTION BETWEEN BOARDS

Power / ICs
- MCP6004A / MCP6004B / MCP6004C / MCP6004D (MCP6004)
- MCP6002A / MCP6002B (MCP6002)
- IC4B TL072P, IC4A TL072P
- U$10 MCP4921-E/P
- U2 ATMEGA328P-PU
- 4051_1 4051N, 4051_2 4051N, 4051_3 4051N
- 595_1 74LS595N, 595_2 74LS595N, 595_3 74LS595N, 595_4 74LS595N
- IC3 7805T
- 79L05

Power section
4051_1P, 4051_2P, 4051_3P
C6 100n, C17 100n, C18 100n, C19 100n, C7 100n
C2 100n, C8 100n, C3 10u, C1 10u
D2 1N4007, D1 1N4007
F2 PTC_100mA, F1 PTC_100mA
JP3, POWER_CON
C10 100n, C9 10u, C11 10u, C15 100n, C12 100n, C22 100nF

Signals
TRIGA_S, GATE_T, SLIDE_T, OFFSET, MIN/MAJ
CV_IN, CV_IN_A_P
TRIG_A, TRIG_A_P, T1 2N3904
TRIG_B, TRIG_B_P, T2 2N3904
RESET, RST_P, T3 2N3904
GATE_OUT_B, GATE_OUT_1, GATE_OUT
CV_OUT, CV_OUT_B, CV_OUT_1

Resistors: R1–R8 1k, R9 220, R10 220, R11 220, R12 220, R13 220, R14 220
R23 100k, R24 100k, R25 100k, R26 100k, R27 100k, R28 47k, R29 100k, R30 100k
R31 1k, R32 220, R33 10K, R35 1k, R36 100k, R37 100k, R38 100k, R39 100k, R40 100k
R41 100k, R42 4M7, R43 330k, R44 33k
R15–R22 1k

POT_1_T ... POT_8_T B100k, POT_A, POT_B B100k_CD
BUT_1 ... BUT_8, BUT_FN
LED_1_T ... LED_8_T, LED_S_T, LED_FN

CHAIN: NS319, NS277, NS323, NS318, RX, TX
JP11, JP1, JP2

MID_B, MID_T
LOW_RIGHT_B, LOW_RIGHT_T
LOW_LEFT_B, LOW_LEFT_T
RIGHT_1_B ... RIGHT_4_B / RIGHT_1_T ... RIGHT_4_T
EXP_B

Y1 16MHZ