TRIG_1_IN
TRIG_2_IN

H2

BUS_CLK
BUS_GATE

A_OUT

H1

B_OUT

SW_MODE

SW6
K2-1102DP-O3SW-04

GND

SW_DUAL

SW12
K2-1102DP-O3SW-04

GND

3V3_A

U5

POT1

GND

3V3_A

U6

POT2

GND

3V3_A

U7

POT3

GND

3V3_A

U8

POT4

GND

NOTES ABOUT MUTABLE PEAKS SCHEMATIC

Note: In original Mutable Peaks schematic/KiCad layout:
SW_MODE button actually changes SPLIT
SW_DUAL button actually changes MODE
(Go figure...)

B output from the DAC actually is output on channel 1
A output is sent to channel 2
This is confusing!
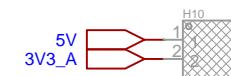
Button labelled SW_TRIG_1 on Peaks actually fires channel 2
and SW_TRIG_2 fires channel 1

This is also confusing!
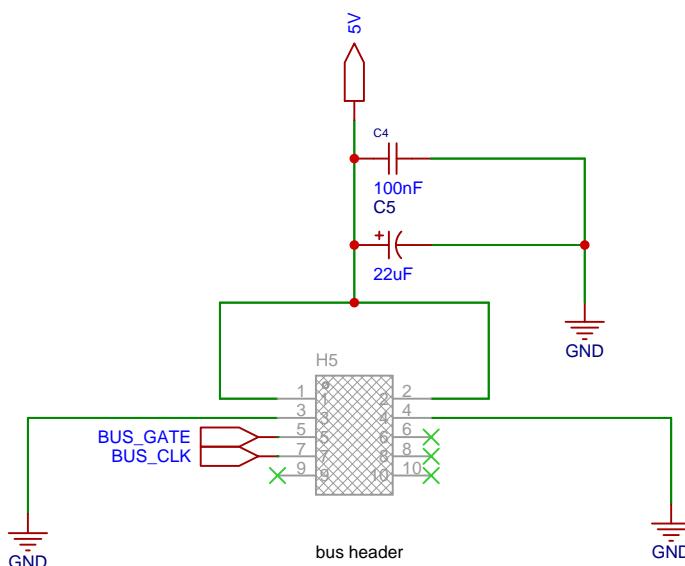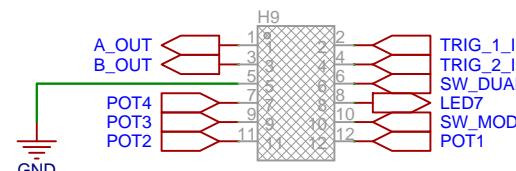
THESE ISSUES ARE NOW ACCOUNTED FOR IN THIS
SCHEMATIC AND THE BOARD2 SCHEMATIC FOR AE

Always check the PCB layout & not just the schematic :)
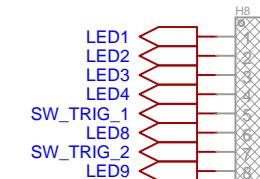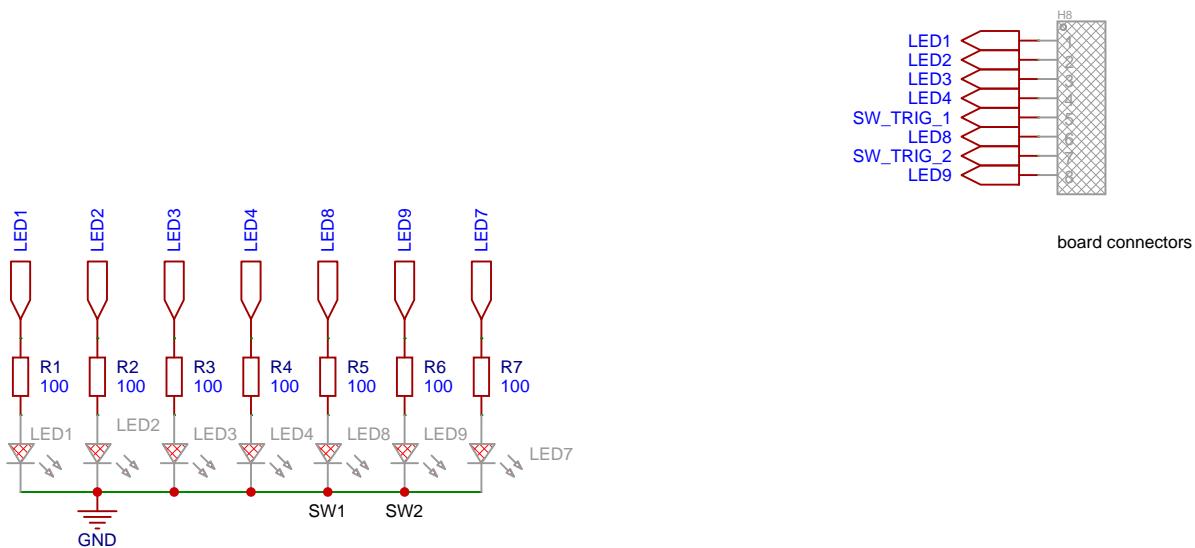
SW_TRIG_1

SW13
K2-1102DP-O3SW-04

GND

SW_TRIG_2

SW14
K2-1102DP-O3SW-04

GND

10k

Schematic	Schematic1_1		Update Date	2026-01-23
			Create Date	2025-09-28
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Reviewed			piques	
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board connectors

H10
5V
3V3_A

H9
A_OUT — 1 ... 2 — TRIG_1_IN
B_OUT — 3 ... 4 — TRIG_2_IN
5 ... 6 — SW_DUAL
POT4 — 7 ... 8 — LED7
POT3 — 9 ... 10 — SW_MODE
POT2 — 11 ... 12 — POT1
GND

5V

C4
100nF
C5
+
22uF

GND

H5
1 ... 2
3 ... 4
BUS_GATE — 5 ... 6
BUS_CLK — 7 ... 8
9 ... 10

GND   GND

bus header

board connectors

LED1
LED2
LED3
LED4
LED8
LED9
LED7

R1 100
R2 100
R3 100
R4 100
R5 100
R6 100
R7 100

LED1
LED2
LED3
LED4
LED8
LED9
LED7

GND

SW1
SW2

H8

LED1
LED2
LED3
LED4
SW_TRIG_1
LED8
SW_TRIG_2
LED9

Schematic	Schematic1_1		Update Date	2026-01-23
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Page	LEDs		Part Number	
Drawn				
Reviewed		piques		
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