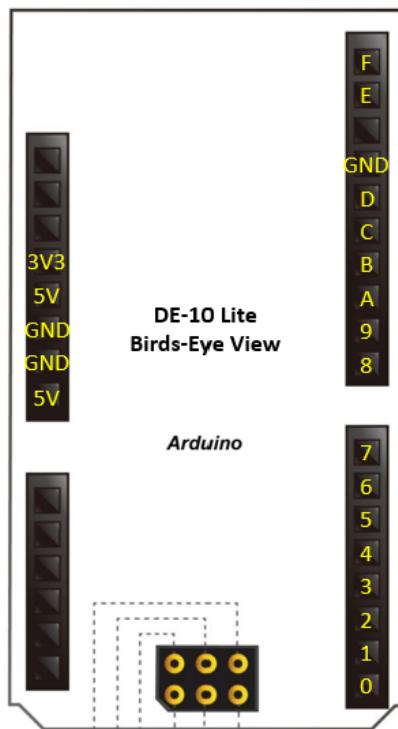


ARDUINO HEADERS

Useful for connecting male-male jumper wires to an external breadboard



Pin	FPGA Pin #
0	PIN_AB5
1	PIN_AB6
2	PIN_AB7
3	PIN_AB8
4	PIN_AB9
5	PIN_Y10
6	PIN_AA11
7	PIN_AA12
8	PIN_AB17
9	PIN_AA17
A	PIN_AB19
B	PIN_AA19
C	PIN_Y19
D	PIN_AB20
E	PIN_AB21
F	PIN_AA20

PUSH BUTTONS (Debounced via Schmitt trigger)

Name on PCB	FPGA Pin #
KEY0	PIN_B8
KEY1	PIN_A7

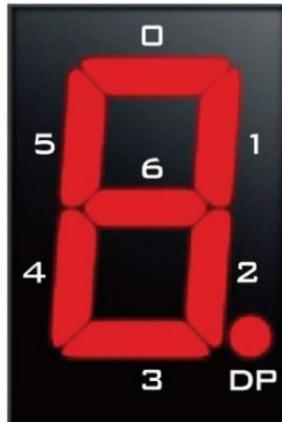
SLIDE SWITCHES

Name on PCB	FPGA Pin #
SW0	PIN_C10
SW1	PIN_C11
SW2	PIN_D12
SW3	PIN_C12
SW4	PIN_A12
SW5	PIN_B12
SW6	PIN_A13
SW7	PIN_A14
SW8	PIN_B14
SW9	PIN_F15

LEDs (Active-high)

Name on PCB	FPGA Pin #
LED0	PIN_A8
LED1	PIN_A9
LED2	PIN_A10
LED3	PIN_B10
LED4	PIN_D13
LED5	PIN_C13
LED6	PIN_E14
LED7	PIN_D14
LED8	PIN_A11
LED9	PIN_B11

SEVEN SEGMENT DISPLAY SEGMENTS



SEVEN SEGMENT DISPLAYS (Active-low)

Segment	HEX0 FPGA Pin #	HEX1 FPGA Pin #	HEX2 FPGA Pin #	HEX3 FPGA Pin #	HEX4 FPGA Pin #	HEX5 FPGA Pin #
0	PIN_C14	PIN_C18	PIN_B20	PIN_F21	PIN_F18	PIN_J20
1	PIN_E15	PIN_D18	PIN_A20	PIN_E22	PIN_E20	PIN_K20
2	PIN_C15	PIN_E18	PIN_B19	PIN_E21	PIN_E19	PIN_L18
3	PIN_C16	PIN_B16	PIN_A21	PIN_C19	PIN_J18	PIN_N18
4	PIN_E16	PIN_A17	PIN_B21	PIN_C20	PIN_H19	PIN_M20
5	PIN_D17	PIN_A18	PIN_C22	PIN_D19	PIN_F19	PIN_N19
6	PIN_C17	PIN_B17	PIN_B22	PIN_E17	PIN_F20	PIN_N20
DP	PIN_D15	PIN_A16	PIN_A19	PIN_D22	PIN_F17	PIN_L19