

ZPUino Soft Processor - Papilio One - Vanilla - v1.0

Author: Alvaro Lopes
alvie.com/zpuino

When used with Papilio One 250K
Used Resources for P1 250K:
10 of 12 Block RAM (BRAM)
70% of available Slices
2 of 4 DCM (clock)
Free Resources for P1 250K:
2 Block RAM (BRAM)
30% of Slices
2 DCM (clock)

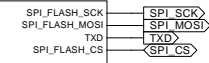
12KB of Program Code Space
(code runs out of BRAM)

System Clock runs at 96Mhz

Visit Papilio.cc for Documentation

When used with Papilio One 500K
Used Resources for P1 500K:
18 of 20 Block RAM (BRAM)
37% of available Slices
2 of 4 DCM (clock)
Free Resources for P1 500K:
2 Block RAM (BRAM)
63% of Slices
2 DCM (clock)

27KB of Program Code Space
(code runs out of BRAM)



GPIO Pins

gpio_bus_in(97:0)
gpio_bus_out(147:0)

Clocks

clk_96Mhz
clk_1Mhz
clk_osc_32Mhz

Wishbone Slot 5

Wishbone Slot 6

Wishbone Slot 8

Wishbone Slot 9

Wishbone Slot 10

Wishbone Slot 11

Wishbone Slot 12

Wishbone Slot 13

Wishbone Slot 14

Wishbone Slot 15

Wishbone Empty Slot

Wishbone Empty Slot

Wishbone Empty Slot

Wishbone Empty Slot

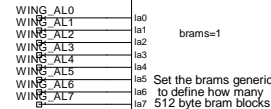
Wishbone Empty Slot

Wishbone Empty Slot

Wishbone Empty Slot

Wishbone Empty Slot

rx enabled tx
UART



Sump Blaze Logic Analyzer x8

Papilio Default Pinout

gpio_bus_in(97:0)
gpio_bus_out(147:0)

GPIO Wing
wt_miso(7:0)
wt_mosi(7:0)

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wt_miso(7:0)
wt_mosi(7:0)

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wt_mosi(7:0)

GPIO Wing
wt_miso(7:0)
wt_mosi(7:0)

WING_AL0
WING_AL1
WING_AL2
WING_AL3
WING_AL4
WING_AL5
WING_AL6
WING_AL7

WING_AH0
WING_AH1
WING_AH2
WING_AH3
WING_AH4
WING_AH5
WING_AH6
WING_AH7

WING_BL0
WING_BL1
WING_BL2
WING_BL3
WING_BL4
WING_BL5
WING_BL6
WING_BL7

WING_BH0
WING_BH1
WING_BH2
WING_BH3
WING_BH4
WING_BH5
WING_BH6
WING_BH7

WING_CL0
WING_CL1
WING_CL2
WING_CL3
WING_CL4
WING_CL5
WING_CL6
WING_CL7

WING_CH0
WING_CH1
WING_CH2
WING_CH3
WING_CH4
WING_CH5
WING_CH6
WING_CH7