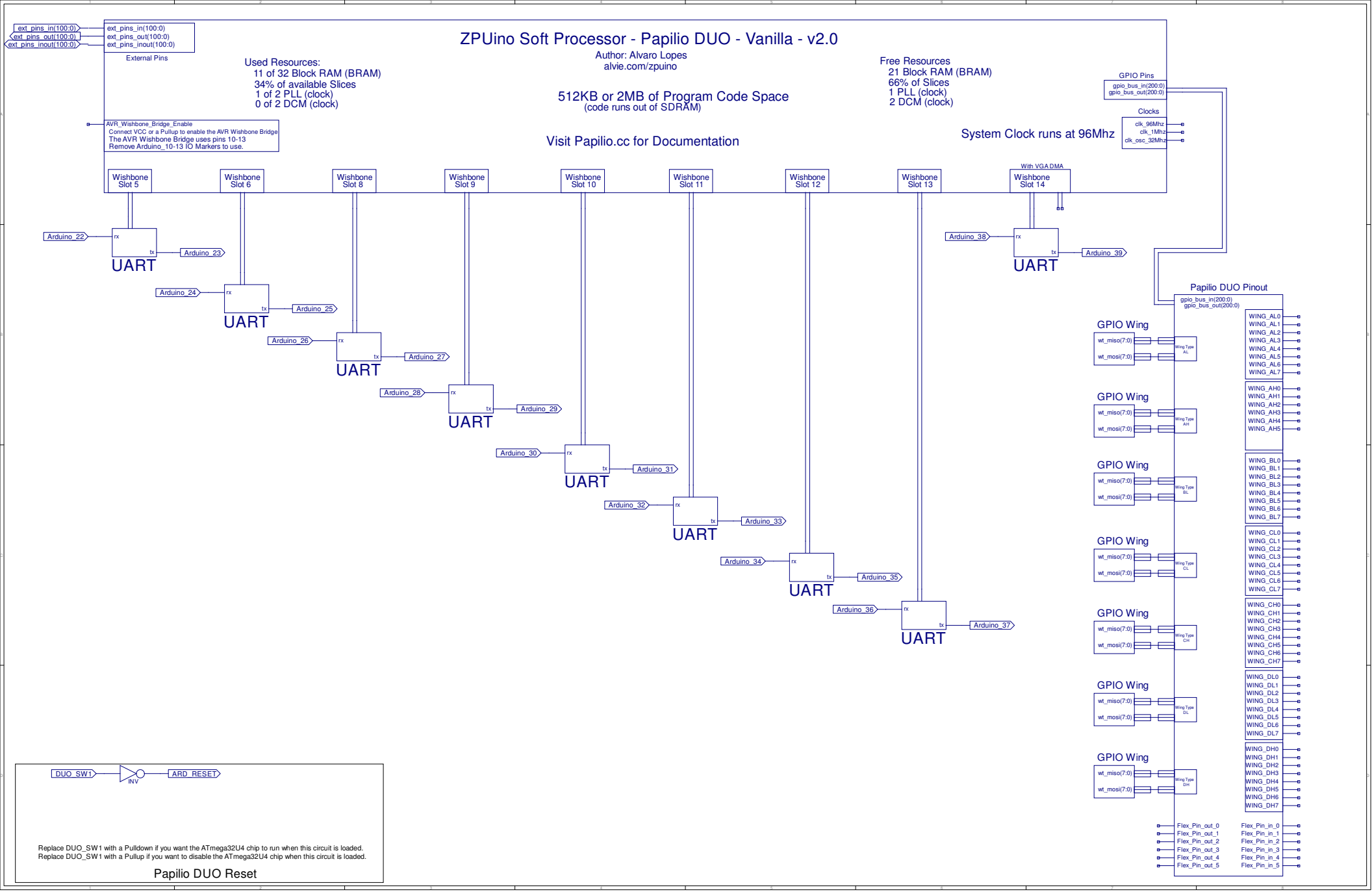
ZPUino Soft Processor - Papilio DUO - Vanilla - v2.0
Author: Alvaro Lopes
alvie.com/zpuino
Used Resources:
11 of 32 Block RAM (BRAM)
34% of available Slices
1 of 2 PLL (clock)
0 of 2 DCM (clock)
512KB or 2MB of Program Code Space
(code runs out of SDRAM)
Visit Papilio.cc for Documentation
Free Resources
21 Block RAM (BRAM)
66% of Slices
1 PLL (clock)
2 DCM (clock)
System Clock runs at 96Mhz
ext_pins_in(100:0)
ext_pins_out(100:0)
ext_pins_inout(100:0)
External Pins
GPIO Pins
Clocks
clk_96Mhz
clk_1Mhz
clk_osc_32Mhz
AVR_Wishbone_Bridge_Enable
Connect VCC or a Pullup to enable the AVR Wishbone Bridge
The AVR Wishbone Bridge uses pins 10-13
Remove Arduino_10-13 IO Markers to use.
With VGA DMA
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
Arduino_22
Arduino_23
Arduino_24
Arduino_25
Arduino_26
Arduino_27
Arduino_28
Arduino_29
Arduino_30
Arduino_31
Arduino_32
Arduino_33
Arduino_34
Arduino_35
Arduino_36
Arduino_37
Arduino_38
Arduino_39
UART
Papilio DUO Pinout
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_BL0
WING_BL1
WING_BL2
WING_BL3
WING_BL4
WING_BL5
WING_BL6
WING_BL7
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
WING_DL0
WING_DL1
WING_DL2
WING_DL3
WING_DL4
WING_DL5
WING_DL6
WING_DL7
WING_DH0
WING_DH1
WING_DH2
WING_DH3
WING_DH4
WING_DH5
WING_DH6
WING_DH7
Flex_Pin_out_0
Flex_Pin_out_1
Flex_Pin_out_2
Flex_Pin_out_3
Flex_Pin_out_4
Flex_Pin_out_5
Flex_Pin_in_0
Flex_Pin_in_1
Flex_Pin_in_2
Flex_Pin_in_3
Flex_Pin_in_4
Flex_Pin_in_5
DUO_SW1
INV
ARD_RESET
Replace DUO_SW1 with a Pulldown if you want the ATmega32U4 chip to run when this circuit is loaded.
Replace DUO_SW1 with a Pullup if you want to disable the ATmega32U4 chip when this circuit is loaded.
Papilio DUO Reset