BitCoin_Miner

| CLK | clk_32Mhz | TxD | TXD |
| RXD | RxD | | |

Optional
anode(3:0)
segment(7:0)

| Arduino_0 | disp_switch | led(1:0) |

VGA
gpio_bus_in(200:0)
gpio_bus_out(200:0)

VGA_Hsync
VGA_Vsync
VGA_Red2
VGA_Red1
VGA_Red0
VGA_Green2
VGA_Green1
VGA_Green0
VGA_Blue1
VGA_Blue0

Seven Segment
XLXN_60(7) Seg7_dot
XLXN_60(6:0) Seg7_segdata(6:0)
Seg7_enable(3:0)

XLXN_605(0) Arduino_48
OBUF
XLXN_605(1) Arduino_50
OBUF

Audio
Audio_Left
Audio_Right

SW0	
SW1	Arduino_1
SW2	Arduino_2
SW3	Arduino_3
SW4	Arduino_4
LED3	Arduino_5
LED4	Arduino_6
LED5	Arduino_7

LED6	Arduino_8
LED7	Arduino_9
DIR_RIGHT	Arduino_10
DIR_UP	Arduino_11
DIR_DOWN	Arduino_12
DIR_LEFT	Arduino_13

AUDIO1_LEFT	Arduino_21
AUDIO1_RIGHT	Arduino_20
SEG7_SEG_E	Arduino_19
SEG7_SEG_A	Arduino_18
SEG7_SEG_F	Arduino_17
SEG7_SEG_C	Arduino_16
SEG7_SEG_G	Arduino_15
SEG7_SEG_B	Arduino_14

SEG7_SEG_P	Arduino_22
SEG7_SEG_D	Arduino_24
GPIO0	Arduino_26
GPIO1	Arduino_28
GPIO2	Arduino_30
SEG7_AN3	Arduino_32
SEG7_AN2	Arduino_34
SEG7_AN4	Arduino_36

SEG7_AN1	Arduino_38
SEG7_AN0	Arduino_40
SW5	Arduino_42
SW6	Arduino_44
SW7	Arduino_46
LED0	
LED1	
LED2	Arduino_52

VGA_HSYNC	Arduino_53
VGA_VSYNC	Arduino_51
VGA_BLUE0	Arduino_49
	Arduino_47
	Arduino_45
VGA_BLUE1	Arduino_43
VGA_BLUE2	Arduino_41
VGA_BLUE3	Arduino_39

VGA_GREEN0	Arduino_37
VGA_GREEN1	Arduino_35
VGA_GREEN2	Arduino_33
VGA_GREEN3	Arduino_31
VGA_RED3	Arduino_29
VGA_RED2	Arduino_27
VGA_RED1	Arduino_25
VGA_RED0	Arduino_23

Papilio DUO LogicStart Shield Pinout

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

Version: 1.0