BitCoin_Miner

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

CLK — clk_32Mhz   TxD — TXD
RXD — RxD

Optional
anode(3:0)
segment(7:0)
WING_CL0 — disp_switch   led(1:0)

VGA
VGA_Hsync
VGA_Vsync
VGA_Red2
VGA_Red1
VGA_Red0
VGA_Green2
VGA_Green1
VGA_Green0
VGA_Blue1
VGA_Blue0

7SegAN3 — WING_AL0
7SegDP — WING_AL1
7SegAN2 — WING_AL2
7SegE — WING_AL3
7SegF — WING_AL4
7SegC — WING_AL5
7SegD — WING_AL6
7SegA — WING_AL7

7SegAN1 — WING_AH0
7SegG — WING_AH1
7SegB — WING_AH2
7SegAN0 — WING_AH3
SPI_CS — WING_AH4
SPI_MISO — WING_AH5
SPI_MOSI — WING_AH6
SPI_Clk — WING_AH7

Seven Segment
XLXN_543(7) — Seg7_dot
XLXN_543(6:0) — Seg7_segdata(6:0)
Seg7_enable(3:0)

VGA_Vsync — WING_BL0
VGA_Hsync — WING_BL1
VGA_Blue0 — WING_BL2
VGA_Blue1 — WING_BL3
VGA_Green0 — WING_BL4
VGA_Green1 — WING_BL5
VGA_Green2 — WING_BL6
VGA_Red0 — WING_BL7

XLXN_538(1)
XLXN_538(0) — OBUF — WING_CH1
OBUF — WING_CH0

VGA_Red1 — WING_BH0
VGA_Red2 — WING_BH1
Audio — WING_BH2
JoyRight — WING_BH3
JoyLeft — WING_BH4
JoyDown — WING_BH5
JoyUp — WING_BH6
JoySelect — WING_BH7

SPI ADC
SPI_MISO
SPI_MOSI
SPI_CLK
SPI_CS

SW0
SW1 — WING_CL1
SW2 — WING_CL2
SW3 — WING_CL3
SW4 — WING_CL4
SW5 — WING_CL5
SW6 — WING_CL6
SW7 — WING_CL7

Audio
Audio

LED0
LED1
LED2 — WING_CH2
LED3 — WING_CH3
LED4 — WING_CH4
LED5 — WING_CH5
LED6 — WING_CH6
LED7 — WING_CH7

Papilio LogicStart MegaWing Pinout