

BOARD LABEL	BOARD ITEM	FUNCTION	ANNEX RDS NAME	GPIO	CHIP PIN#
G16	EXPANDER [E]	G16 or VGA (B)	16	GPIO16	16
G15	EXPANDER [E]	G15 or VGA (B)	15	GPIO15	15
G17	EXPANDER [E]	G17 or VGA (B)	17	GPIO17	17
G5	EXPANDER [E]	G5 or VGA (R)	5	GPIO5	5
G4	EXPANDER [E]	G4 or VGA (R)	4	GPIO4	4
3V	EXPANDER [E]	3.3V	-	-	-
G	EXPANDER [E]	G	-	-	-
VGA (RED)	VGA (RED)	VGA (RED)	4, 5, 6, 7, 8	GPIO4-8	4-8
VGA (BLUE)	VGA (BLUE)	VGA (BLUE)	9, 10, 11, 12, 13, 14	GPIO9-14	9-14
VGA (GREEN)	VGA (GREEN)	VGA (GREEN)	15-18, 21	GPIO15-18 and 21	15-18 and 21
VGA VSYNC	VGA VSYNC	VGA VSYNC	2	GPIO2	2
VGA HSYNC	VGA HSYNC	VGA HSYNC	1	GPIO1	1
I2S_DIN	I2S AUDIO	I2S AUDIO	DIN	GPIO45	45
I2S_BCLK	I2S AUDIO	I2S AUDIO	BCLK	GPIO48	48
I2S_LRCLK	I2S AUDIO	I2S AUDIO	LRCK	GPIO38	38
RESET (EN)	RESET (EN)	RESET (EN)	EN	EN	3
BOOT (0)	BOOT (0)	BOOT (0)	0	GPIO0	27
DAT2	SD CARD	DAT2	44	GPIO44	44
DAT3 or CS	SD CARD	DAT3 or CS	CS	GPIO39	39
MOSI	SD CARD	CMD or MOSI	MOSI	GPIO40	40
SCK	SD CARD	CLOCK	SCK	GPIO41	41
DAT0 or MISO	SD CARD	DAT0 or MISO	MISO	GPIO42	42
DAT1	SD CARD	DAT1	43	GPIO43	43
UART TX	HEADER	UART TX or SDIO DAT1	43	GPIO43	43
UART RX	HEADER	UART RX or SDIO DAT2	44	GPIO44	44
GND	HEADER	GND	-	-	-
3V	HEADER	3.3V	-	-	-
GPIO3	HEADER	AVAILABLE	3	GPIO3	3
GPIO46	HEADER	AVAILABLE	46	GPIO46	46
5V	HEADER	AVAILABLE	-	-	-
GND	HEADER	AVAILABLE	-	-	-
BLINK	BLINK (LED)	LED (BLINK)	47	GPIO47	47

Note: Pin 43 and 44 can either be assigned to UART (Serial) or SDIO.

2 Switches are provided. The Mode Switch is for USB Programming or USB Devices. The USB switch is for selecting USB A or USB B