

# MangoPi-GW1 GPIO ASSIGNMENT

PIN	Define	CFG	Function
PA0	UART0-TX	5	DEBUG
PA1	UART0-RX	5	
PA2	USB0-ID	1	GPIO
PA3	ADC3	2	GPAI3
PA4	UART1-TX	5	UART1
PA5	UART1-RX	5	
PA6			NC
PA7			
PA8	RTP-XP-RST	1	CTP(TWI3)
PA9	RTP-YP-INT	1	
PA10	RTP-XN-SCK	4	
PA11	RTP-YN-SDA	4	

PIN	Define	CFG	Function
PB0	SPI0-HOLD	3	SPI-NAND
PB1	SPI0-WP	3	
PB2	SPI0-CS	3	
PB3	SPI0-MISO	3	
PB4	SPI0-MOSI	3	
PB5	SPI0-CLK	3	TWI2
PB6	TWI2-SCK	4	
PB7	TWI2-SDA	4	UART
PB8	UART5-TX	5	
PB9	UART5-RX	5	
PB10	UART6-TX	5	
PB11	UART6-RX	5	

PIN	Define	Define	CFG	Function
PD0	LCD0-D0	DSI-RESET	1	GPIO
PD1	LCD0-D1	LED1	1	
PD2	LCD0-D2	LED2	1	
PD3	LCD0-D3	LED3	1	NC
PD4	LCD0-D4			
PD5	LCD0-D5			TWI0
PD6	LCD0-D6	TWI0-SCK	4	
PD7	LCD0-D7	TWI0-SDA	4	UART
PD8	LCD0-D8	UART2-TX	5	
PD9	LCD0-D9	UART2-RX	5	
PD10	LCD0-D10	UART3-TX	5	
PD11	LCD0-D11	UART3-RX	5	
PD12	LCD0-D12	UART4-TX	5	SPI
PD13	LCD0-D13	UART4-RX	5	
PD14	LCD0-D14	SPI3-CLK	4	
PD15	LCD0-D15	SPI3-CS	4	
PD16	LCD0-D16	SPI3-MOSI	4	
PD17	LCD0-D17	SPI3-MISO	4	LVDS0 MIPI-DSI
PD18	LCD0-D18	DSI-DN0 LVDS0-DN0	4 3	
PD19	LCD0-D19	DSI-DP0 LVDS0-DP0	4 3	
PD20	LCD0-D20	DSI-DN1 LVDS0-DN1	4 3	
PD21	LCD0-D21	DSI-DP1 LVDS0-DP1	4 3	
PD22	LCD0-D22	DSI-CKN LVDS0-DN2	4 3	
PD23	LCD0-D23	DSI-CKP LVDS0-DP2	4 3	
PD24	LCD0-DCLK	DSI-DN2 LVDS0-CKN	4 3	
PD25	LCD0-HS	DSI-DP2 LVDS0-CKP	4 3	
PD26	LCD0-VS	DSI-DN3 LVDS0-DN3	4 3	
PD27	LCD0-DE	DSI-DP3 LVDS0-DP3	4 3	

PIN	Define	CFG	Function
PE0	MAC0-RXD1	6	MAC0 100M
PE1	MAC0-RXD0	6	
PE2	MAC0-CRS-DV	6	
PE3	MAC0-REFCLK	6	
PE4	MAC0-TXD1	6	
PE5	MAC0-TXD0	6	
PE6	EPHY0_RST	6	
PE7	MAC0-TXEN	6	
PE8	MAC0-MDC	6	
PE9	MAC0-MDIO	6	
PE10	EPHY0-25M	6	SPEAKER
PE11	SPK1	4	
PE12	DMIC_CLK	4	DMIC
PE13	DMIC_DATA	4	
PE14			CAN
PE15			
PE16	CAN0-TX	4	
PE17	CAN0-RX	4	CAN
PE18	CAN1-TX	4	
PE19	CAN1-RX	4	

PIN	Define	CFG	Function
PF0	MAC1-RXD1	6	MAC1 100M
PF1	MAC1-RXD0	6	
PF2	MAC1-CRS-DV	6	
PF3	MAC1-REFCLK	6	
PF4	MAC1-TXD1	6	
PF5	MAC1-TXD0	6	
PF6	EPHY1_RST	6	
PF7	MAC1-TXEN	6	
PF8	MAC1-MDC	6	
PF9	MAC1-MDIO	6	
PF10	EPHY1-25M	6	
PF11			
PF12			
PF13			
PF14			
PF15			

PIN	Define	CFG	Function
PU0	USB0-DM	2	USB0
PU1	USB0-DP	2	
PU2	USB1-DM	2	USB1
PU3	USB1-DP	2	

PIN	Define	CFG	Function
PC0	SDC1-D1	2	CARD
PC1	SDC1-D0	2	
PC2	SDC1-CLK	2	
PC3	SDC1-CMD	2	
PC4	SDC1-D3	2	
PC5	SDC1-D2	2	
PC6	SDC1-DET	2	Backlight
PC7	LCD_PWM	1	

