

ROCK64

Pi-2 Bus

3.3V	1	2	5V
GPIO2_D1 (I2C0_SDA)	3	4	5V
GPIO2_D0 (I2C0_SCL)	5	6	GND
GPIO1_D4 (CLK32KOUT_M1)	7	8	GPIO2_A0 (UART2_TX_M1)
GND	9	10	GPIO2_A1 (UART2_RX_M1)
NC	11	12	GPIO2_A3
GPIO0_A0	13	14	GND
GPIO3_A4	15	16	GPIO3_A5
3.3V	17	18	GPIO3_A6
GPIO3_A1 (SPI_TXD_M2)	19	20	GND
GPIO3_A2 (SPI_RXD_M2)	21	22	GPIO3_A7
GPIO3_A0 (SPI_CLK_M2)	23	24	GPIO3_B0 (SPI_CS_N0_M2)
GND	25	26	GPIO2_B4 (SPI_CS_N1_M0)
GPIO2_A4 (I2C1_SDA)	27	28	GPIO2_A5 (I2C1_SCL)
NC	29	30	GND
NC	31	32	GPIO1_A6
GPIO1_A0	33	34	GND
GPIO1_A1	35	36	GPIO1_A5
GPIO1_A2	37	37	GPIO1_A4
GND	39	40	GPIO1_A3

Key

- Power (5 Volts)
- Power (3.3 Volts)
- Ground
- General Inputs/Outputs
- General Inputs/Outputs
(Only applicable if MicroSD not in use)
- I2C Interface
- SPI Interface
- UART Interface
- ID EEPROM Interface

ROCK64

Pi P5+ Bus

3.3V	1	5V
GPIO2_C1 (I2S1_LRCKTX)	3	GPIO2_C2 (I2S1_SCLK)
GPIO2_C7 (I2S1_SDO)	5	GPIO2_C3 (I2S1_SDII)
GND	7	GND
GPIO2_C0 (I2S1_LRCKRX)	9	GPIO2_B7 (I2S1_MCLK)
GPIO2_C5 (I2S1_SDIO2)	11	GPIO2_C4 (I2S1_SDIO1)
GPIO0_D3 (SPDIF_TX_M0)	13	GPIO2_C6 (I2S1_SDIO3)
GND	15	GND
Ethernet RD+	17	Ethernet RD-
Ethernet TX+	19	Ethernet TX-
GPIO2_D1 (Ethernet Speed)	21	(Ethernet Link) GPIO2_D0

Key

- Power (5 Volts)
- Power (3.3 Volts)
- Ground
- I2S Interface
- SPDIF Interface
- 10/100 Mbps Ethernet Interface
(Speed/Link only applicable if I2C0 not in used)