



Ver 0.9

SOPINE A64 Pin Assignments

204-Pin SOPINE Front

Pin	Pin Definition
1	HBIAS
3	HPOUTR
5	HPOUTL
7	GND
9	MIC2P
11	MIC2N
13	PL11-IR_RX
15	PL8-S_TWI_SCK
17	PL9-S_TWI_SDA
19	GND
21	WL-REG-ON
23	WL-WAKE-AP
25	PC5-eMMC_CLK
27	PB5-I2S_BCLK
29	PB7-I2S_DIN
31	GND
33	PB9-UART0_RX
35	PB0-UART2_TX
37	PH3-TW1_SDA
39	PB6-I2S_DOUT
41	GND
43	TP-SCK
45	PD6
47	RGMII-TXCTL
49	PD1-SPI1_CLK
51	RGMII-RXD1
53	MDC-PWM0
55	GND
57	PD2-SPI1_MOSI
59	CSI-D5
61	PD3-SPI1_MISO
63	WL-SDIO-D0
65	CSI-D3
67	TP-RST
69	GND
71	PH7
73	RGMII-RXD3
75	PB1-UART2_RX
77	PH9
79	RGMII-TXCK

204-Pin SOPINE Back

Pin	Pin Definition
2	EAROUT_P
4	EAROUT_N
6	HS-MIC
8	GND
10	HPOUTFB
12	KEYADC
14	BT-RST-N
16	AP-WAKE-BT
18	BT-WAKE-AP
20	GND
22	HP-DET
24	PL7
26	LCD-BL-EN
28	PB4-I2S_SYNC
30	PB3-I3S_MCLK
32	GND
34	PB8-UART0_TX
36	PB2
38	PH8-OWA_OUT
40	PD7
42	GND
44	PD5-UART4_CTS
46	TP-SDA
48	RGMII-RXD0
50	LCD-RST#
52	PD4-UART4_RTS
54	CSI-D1
56	GND
58	CSI-PCLK
60	PD0-SPI1_CS
62	PH2-TW1_SCK
64	TP-INT
66	PH6
68	PH5
70	GND
72	WL-SDIO-CLK
74	RGMII-CLKIN
76	MDIO
78	RGMII-TXD1
80	RGMII-TXD3

SOPINE A64 Pin Assignments

81	GND	82	RGMII-TXD2
83	RGMII-RXD2	84	GND
85	RGMII-TXD0	86	BT-PCM-CLK
87	RGMII-NULL	88	BT-UART-CTS
89	RGMII-RXCTL	90	BT-UART-RX
91	RGMII-RXCK	92	CSI-RST-F
93	GND	94	GND
95	CSI-D0	96	CSI-D2
97	BT-PCM-DIN	98	CSI-SCK
99	BT-PCM-SYNC	100	CSI-HSYNC
101	CSI-VSYNC	102	CSI-MCLK
103	GND	104	GND
105	CSI-D4	106	WL-SDIO-D2
107	CSI-D6	108	WL-SDIO-CMD
109	CSI-STBY-F	110	WL-SDIO-D1
111	CSI-D7	112	WL-SDIO-D3
113	CSI-SDA	114	GND
115	GND	116	DSI-D1P
117	BT-UART-RTS	118	DSI-D1N
119	BT-UART-TX	120	DSI-D0P
121	BT-PCM-DOOUT	122	DSI-D3P
123	DSI-D0N	124	DSI-D3N
125	GND	126	DSI-D2P
127	DSI-CKP	128	GND
129	DSI-CKN	130	PC8-eMMC_D0
131	DSI-D2N	132	PC7
133	PC15-eMMC_D7	134	PC0-SPI0_MOSI
135	PC4	136	HDMI-HTX0P
137	GND	138	HDMI-HTX0N
139	HDMI-HTX2N	140	GND
141	HDMI-HTX2P	142	HDMI-HTX1N
143	PC2-SPI0_CLK	144	PC16-eMMC_RST
145	HDMI-HTX1P	146	PC12-eMMC_D4
147	HDMI-TXCP	158	PC3-SPI0_CS
149	GND	150	PC1-SPI0_MISO-eMMC_DS
151	HDMI-TXCN	152	GND
153	PC9-eMMC_D1	154	PC6-eMMC_CMD
155	PC14-eMMC_D6	156	PC10-eMMC_D2
157	PC13-eMMC_D5	158	USB1-DP
159	GND	160	USB1-DM
161	HDMI-SCL	162	GND
163	HDMI-SDA	164	HDMI-HPD
165	PC11-eMMC_D3	166	LCD-PWM
167	HDMI-CEC	168	PWR_ON
169	GND	170	DCDC1
171	USB0-DP	172	ALDO1
173	USB0-DM	174	GPIO0-LDO
175	CHG_LED	176	ALDO1

SOPINE A64 Pin Assignments

177	RESET	178	
179		180	DCIN
181	ELDO3	182	DCIN
183	DLDO3	184	DCIN
185	VCC-WIFI	186	NC
187	DC1-SW	188	VBUS
189	DLDO2	190	VBUS
191	DLDO1	192	VBUS
193	VCC-WIFI-IO	194	NC
195	VRTC	196	BATT_SENSOR
197	NC	198	NC
199	PS	200	VBAT
201	PS	202	VBAT
203	PS	204	VBAT