# ALLWINNER-T113-C

1 GND "Ground"

2 SDC0-DET VCC-PF 3V3 "I/O" PF6/SPDIF\_OUT/IR\_RX/I2S2\_MCLK/PWM5/PF\_EINT6

3 SDC0-D1 VCC-PF 3V3 "I/O" PF0/SDC0\_D1/JTAG\_MS/R\_JTAG\_MS/I2S2\_DOUT1/I2S2\_DIN0/PF\_EINT0

4 SDC0-D0 VCC-PF 3V3 "I/O" PF1/SDC0\_D0/JTAG\_DI/R\_JTAG\_DI/I2S2\_DOUT0/I2S2\_DIN1/PF\_EINT1

5 SDC0-CLK VCC-PF 3V3 "I/O" PF2/SDC0\_CLK/UART0\_TX/TWI0\_SCK/LEDC\_DO/SPDIF\_IN/PF\_EINT2

6 SDC0-CMD VCC-PF 3V3 "I/O" PF3/SDC0\_CMD/JTAG\_DO/R\_JTAG\_DO/I2S2\_BCLK/PF\_EINT3

7 SDC0-D3 VCC-PF 3V3 "I/O" PF4/SDC0\_D3/UART0\_RX/TWI0\_SDA/PWM6/IR\_TX/PF\_EINT4

8 SDC0-D2 VCC-PF 3V3 "I/O" PF5/SDC0\_D2/JTAG\_CK/R\_JTAG\_CK/I2S2\_LRCK/PF\_EINT5

9 GND "Ground"

10 no function;"No function"

11 no function;"No function"

12 no function;"No function"

13 no function;"No function"

14 no function;"No function"

15 no function;"No function"

16 no function;"No function"

17 no function;"No function"

18 no function;"No function"

19 no function;"No function"

20 no function;"No function"

21 no function;"No function"

22 no function;"No function"

23 no function;"No function"

24 no function;"No function"

25 no function;"No function"

26 no function;"No function"

27 GND "Ground"

28 VSYS 3V4-5V5 "Main power"3. 4V-5. 5V

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29 GND "Ground"

30 VCC-3V3 3V3 Output 3. 3V 输 出 500mA

31 GND "Ground"

32 VCC-1V8 1V8 Output 1. 8V 输 出 80mA

33 GND "Ground"

34 AVCC 1V8 Output 1. 8V 输 出 100mA

35 EMMC\_KEY 1V8-3V3 Input Upgrade button

36 POWER\_EN 3V4-5V5 Input upgrade button

37 KEY\_RST 3V3 Input reset button

38 AP-CK24M-OUT 1V8 Output 24MHz Clock Output

39 GND "Ground"

40 "No function"

41 "No function"

42 PE13 VCC-PE 3V3 PE13/TWI2\_SDA/PWM5/I2S0\_DOUT0/I2S0\_DIN1/DMIC\_DATA3/RGMII\_RXD2/PE\_EINT13

43 PE12 VCC-PE 3V3 PE12/TWI2\_SCK/NCSI0\_FIELD/I2S0\_DOUT2/I2S0\_DIN2/RGMII\_TXD3/PE\_EINT12

44 RXD1 VCC-PE 3V3 PE11/NCSI0\_D7/UART1\_RX/I2S0\_DOUT3/I2S0\_DIN3/JTAG\_CK/RGMII\_TXD2/PE\_EINT11

45 TXD1 VCC-PE 3V3 PE10/NCSI0\_D6/UART1\_TX/PWM4/IR\_RX/JTAG\_DO/EPHY\_25M/PE\_EINT10

46 RXD3 VCC-PE 3V3 PE9/NCSI0\_D5/UART1\_CTS/PWM3/UART3\_RX/JTAG\_DI/MDIO/PE\_EINT9

47 TXD3 VCC-PE 3V3 PE8/NCSI0\_D4/UART1\_RTS/PWM2/UART3\_TX/JTAG\_MS/MDC/PE\_EINT8

48 RXD5 VCC-PE 3V3 PE7/NCSI0\_D3/UART5\_RX/TWI3\_SDA/SPDIF\_OUT/D\_JTAG\_CK/R\_JTAG\_CK/RGMII\_CLKIN/RMI I\_RXER/PE\_EINT7

49 TXD5 VCC-PE 3V3 PE6/NCSI0\_D2/UART5\_TX/TWI3\_SCK/SPDIF\_IN/D\_JTAG\_DO/R\_JTAG\_DO/RGMII\_TXCTRL/RMI I\_TXEN/PE\_EINT6

50 RXD4 VCC-PE 3V3 "I/O" PE5/NCSI0\_D1/UART4\_RX/TWI2\_SDA/LEDC\_DO/D\_JTAG\_DI/R\_JTAG\_DI/RGMII\_TXD1/RMII\_T XD1/PE\_EINT5

51 TXD4 VCC-PE 3V3 "I/O" PE4/NCSI0\_D0/UART4\_TX/TWI2\_SCK/CLK\_FANOUT2/D\_JTAG\_MS/R\_JTAG\_MS/RGMII\_TXD0/RM II\_TXD0/PE\_EINT4

52 RXD0 VCC-PE 3V3 "I/O" PE3/NCSI0\_MCLK/UART2\_RX/TWI0\_SDA/CLK\_FANOUT1/UART0\_RX/RGMII\_TXCK/RMII\_TXCK/P E\_EINT3

53 TXD0 VCC-PE 3V3 "I/O" PE2/NCSI0\_PCLK/UART2\_TX/TWI0\_SCK/CLK\_FANOUT0/UART0\_TX/RGMII\_RXD1/RMII\_RXD1/P E\_EINT2

54 PE1 VCC-PE 3V3 "I/O" PE1/NCSI0\_VSYNC/UART2\_CTS/TWI1\_SDA/LCD0\_VSYNC/RGMII\_RXD0/RMII\_RXD0/PE\_EINT1

55 PE0 VCC-PE 3V3 "I/O" PE0/NCSI0\_HSYNC/UART2\_RTS/TWI1\_SCK/LCD0\_HSYNC/RGMII\_RXCTRL/RMII\_CRS\_DV/PE\_EI NT0

56 GND "I/O" "Ground" 57 LVDS0-V0P VCC-PD 3V3 "I/O" PD0/LCD0\_D2/LVDS0\_V0P/DSI\_D0P/TWI0\_SCK/PD\_EINT0

58 LVDS0-V0N VCC-PD 3V3 "I/O" PD1/LCD0\_D3/LVDS0\_V0N/DSI\_D0N/UART2\_TX/PD\_EINT1

59 LVDS0-V1P VCC-PD 3V3 "I/O" PD2/LCD0\_D4/LVDS0\_V1P/DSI\_D1P/UART2\_RX/PD\_EINT2

60 LVDS0-V1N VCC-PD 3V3 "I/O" PD3/LCD0\_D5/LVDS0\_V1N/DSI\_D1N/UART2\_RTS/PD\_EINT3

61 LVDS0-V2P VCC-PD 3V3 "I/O" PD4/LCD0\_D6/LVDS0\_V2P/DSI\_CKP/UART2\_CTS/PD\_EINT4

62 LVDS0-V2N VCC-PD 3V3 "I/O" PD5/LCD0\_D7/LVDS0\_V2N/DSI\_CKN/UART5\_TX/PD\_EINT5

63 LVDS0-CKP VCC-PD 3V3 "I/O" PD6/LCD0\_D10/LVDS0\_CKP/DSI\_D2P/UART5\_RX/PD\_EINT6

64 LVDS0-CKN VCC-PD 3V3 "I/O" PD7/LCD0\_D11/LVDS0\_CKN/DSI\_D2N/UART4\_TX/PD\_EINT7

65 LVDS0-V3P VCC-PD 3V3 "I/O" PD8/LCD0\_D12/LVDS0\_V3P/DSI\_D3P/UART4\_RX/PD\_EINT8

66 LVDS0-V3N VCC-PD 3V3 "I/O" PD9/LCD0\_D13/LVDS0\_V3N/DSI\_D3N/PWM6/PD\_EINT9

67 SPI1\_CS VCC-PD 3V3 "I/O" PD10/LCD0\_D14/LVDS1\_V0P/SPI1\_CS/DBI\_CSX/UART3\_TX/PD\_EINT10

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68 SPI1\_CLK VCC-PD 3V3 "I/O" PD11/LCD0\_D15/LVDS1\_V0N/SPI1\_CLK/DBI\_SCLK/UART3\_RX/PD\_EINT11

69 SPI1\_MOSI VCC-PD 3V3 "I/O" PD12/LCD0\_D18/LVDS1\_V1P/SPI1\_MOSI/DBI\_SDO/TWI0\_SDA/PD\_EINT12

70 SPI1\_MISO VCC-PD 3V3 "I/O" PD13/LCD0\_D19/LVDS1\_V1N/SPI1\_MISO/DBI\_SDI/DBI\_TE/DBI\_DCX/UART3\_RTS/PD\_EINT13

71 USB\_DET VCC-PD 3V3 "I/O" PD14/LCD0\_D20/LVDS1\_V2P/SPI1\_HOLD/DBI\_DCX/DBI\_WRX/UART3\_CTS/PD\_EINT14

72 PD15 VCC-PD 3V3 "I/O" PD15/LCD0\_D21/LVDS1\_V2N/SPI1\_WP/DBI\_TE/IR\_RX/PD\_EINT15

73 PWM0 VCC-PD 3V3 "I/O" PD16/LCD0\_D22/LVDS1\_CKP/DMIC\_DATA3/PWM0/PD\_EINT16

74 PD17 VCC-PD 3V3 "I/O" PD17/LCD0\_D23/LVDS1\_CKN/DMIC\_DATA2/PWM1/PD\_EINT17

75 PD18 VCC-PD 3V3 "I/O" PD18/LCD0\_CLK/LVDS1\_V3P/DMIC\_DATA1/PWM2/PD\_EINT18

76 PD19 VCC-PD 3V3 "I/O" PD19/LCD0\_DE/LVDS1\_V3N/DMIC\_DATA0/PWM3/PD\_EINT19

77 TWI2\_SCL VCC-PD 3V3 "I/O" PD20/LCD0\_HSYNC/TWI2\_SCK/DMIC\_CLK/PWM4/PD\_EINT20

78 TWI2\_SDA VCC-PD 3V3 "I/O" PD21/LCD0\_VSYNC/TWI2\_SDA/UART1\_TX/PWM5/PD\_EINT21

79 PWM7 VCC-PD 3V3 "I/O" PD22/SPDIF\_OUT/IR\_RX/UART1\_RX/PWM7/PD\_EINT22

80 GND "Ground"

81 TWI3\_SDA VCC-PB 3V3 "I/O" PB7/LCD0\_D17/I2S2\_MCLK/TWI3\_SDA/IR\_RX/LCD0\_D23/UART3\_RX/CPUBIST1/PB\_EINT7

82 TWI3\_SCL VCC-PB 3V3 "I/O" PB6/LCD0\_D16/I2S2\_LRCK/TWI3\_SCK/PWM1/LCD0\_D22/UART3\_TX/CPUBIST0/PB\_EINT6

83 CAN1-RX VCC-PB 3V3 "I/O" PB5/LCD0\_D9/I2S2\_BCLK/TWI1\_SDA/PWM0/LCD0\_D21/UART5\_RX/CAN1-RX0/PB\_EINT5

84 CAN1-TX VCC-PB 3V3 "I/O" PB4/LCD0\_D8/I2S2\_DOUT0/TWI1\_SCK/I2S2\_DIN1/LCD0\_D20/UART5\_TX/CAN1- TX0/PB\_EINT4

85 CAN0-RX VCC-PB 3V3 "I/O" PB3/LCD0\_D1/I2S2\_DOUT1/TWI0\_SCK/I2S2\_DIN0/LCD0\_D19/UART4\_RX/CAN0- RX0/PB\_EINT3

86 CAN0-TX VCC-PB 3V3 "I/O" PB2/LCD0\_D0/I2S2\_DOUT2/TWI0\_SDA/I2S2\_DIN2/LCD0\_D18/UART4\_TX/CAN0- TX0/PB\_EINT2

87 GND "Ground"

88 MICIN3N Input Mic input negative

89 MICIN3P Input Mic Input positive

90 GND "Ground"

91 FMINL Input 语音入 L

92 FMINR Input 语音入 R

93 GND "Ground"

94 LINEINL Input 语音入 L

95 LINEINR Input 语音入 R

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96 HPOUTFB Input EARPHONE "Ground"

97 HPOUTL 耳机左

98 HPOUTR 耳机右

99 GND "Ground"

100 GPADC0 1V8 Input 模拟 ADC Input

101 TP-X1 Resistive input - touch screenX1

102 TP-X2 Resistive input - touch screenX2

103 TP-Y1 Resistive input - touch screenY1

104 TP-Y2 Resistive input - touch screenY2

105 GND "Ground"

106 TV-IN1 Input CVBS Input 1

107 GND "Ground"

108 TV-IN0 Input CVBS Input 0

109 GND "Ground"

110 TV-OUT Output CVBS Output

111 GND "Ground"

112 USB1-DP USB1-DP

113 USB1-DM USB1-DM

114 GND GND

115 USB0-DM OTG-DM

116 USB0-DP OTG-DP

117 GND "Ground"

118 RMII-MDIO VCC-PG 3V3 "I/O" PG15/I2S1\_DOUT0/TWI2\_SDA/MDIO/I2S1\_DIN1/SPI0\_HOLD/UART1\_CTS/PG\_EINT15

119 RMII-MDC VCC-PG 3V3 "I/O" PG14/I2S1\_DIN0/TWI2\_SCK/MDC/I2S1\_DOUT1/SPI0\_WP/UART1\_RTS/PG\_EINT14

120 RMII-RXER VCC-PG 3V3 "I/O" PG13/I2S1\_BCLK/TWI0\_SDA/RGMII\_CLKIN/RMII\_RXER/PWM2/LEDC\_DO/UART1\_RX/PG\_EINT1 3

121 RMII-CRS-RXDV VCC-PG 3V3 "I/O" PG0/SDC1\_CLK/UART3\_TX/RGMII\_RXCTRL/RMII\_CRS\_DV/PWM7/PG\_EINT0

122 RMII-RXD0 VCC-PG 3V3 "I/O" PG1/SDC1\_CMD/UART3\_RX/RGMII\_RXD0/RMII\_RXD0/PWM6/PG\_EINT1

123 RMII-RXD1 VCC-PG 3V3 "I/O" PG2/SDC1\_D0/UART3\_RTS/RGMII\_RXD1/RMII\_RXD1/UART4\_TX/PG\_EINT2

124 RMII-RXCK VCC-PG 3V3 "I/O" PG10/PWM3/TWI3\_SCK/RGMII\_RXCK/CLK\_FANOUT0/IR\_RX/PG\_EINT10

125 RMII-TXCK VCC-PG 3V3 "I/O" PG3/SDC1\_D1/UART3\_CTS/RGMII\_TXCK/RMII\_TXCK/UART4\_RX/PG\_EINT3

126 RMII-TXD0 VCC-PG 3V3 "I/O" PG4/SDC1\_D2/UART5\_TX/RGMII\_TXD0/RMII\_TXD0/PWM5/PG\_EINT4

127 RMII-TXD1 VCC-PG 3V3 "I/O" PG5/SDC1\_D3/UART5\_RX/RGMII\_TXD1/RMII\_TXD1/PWM4/PG\_EINT5

128 RMII-TXEN VCC-PG 3V3 PG12/I2S1\_LRCK/TWI0\_SCK/RGMII\_TXCTRL/RMII\_TXEN/CLK\_FANOUT2/PWM0/UART1\_TX/PG\_ EINT12

129 EPHY\_25M VCC-PG 3V3 PG11/I2S1\_MCLK/TWI3\_SDA/EPHY\_25M/CLK\_FANOUT1/TCON\_TRIG/PG\_EINT11

130 RMII-RESET VCC-PG 3V3 PG9/UART1\_CTS/TWI1\_SDA/RGMII\_RXD3/UART3\_RX/PG\_EINT9

131 PG8 VCC-PG 3V3 PG8/UART1\_RTS/TWI1\_SCK/RGMII\_RXD2/UART3\_TX/PG\_EINT8

132 PG7 VCC-PG 3V3 PG7/UART1\_RX/TWI2\_SDA/RGMII\_TXD3/SPDIF\_IN/PG\_EINT7

133 PG6 VCC-PG 3V3 PG6/UART1\_TX/TWI2\_SCK/RGMII\_TXD2/PWM1/PG\_EINT6

134 GND "Ground"





