1.27mm 2x7P 双排
MIPI扩展口

OV5640 500万像素
MIPI接口

5.0寸1280x720触摸屏
MIPI接口

OV/TP_SCL:可置0或高阻
OV/TP_SDA:可置0或高阻

ET3036C_CJ3439KDW
File: ET3036C_CJ3439KDW.kicad_sch

vllinkmodule
File: vllinkmodule.kicad_sch

USB334x
File: USB334x.kicad_sch

File: YT8531C.kicad_sch

U3 H7P20N0L128-M3H1
HPIO

U7 P25Q64SH-SSH-IR

U8 XC6206-1.5
U5 XC6206-2.8
OV5640

U4 SY7201ABC
D500C930SV0

CY_J1 Conn_02x10_Odd_Even
CY_J2 Conn_02x10_Odd_Even
J1 Conn_02x05_Odd_Even

VCC_5V VCC_5V
VCC_3V3 VCC_3V3

J2
USB_C_Receptacle_USB2.0_16P

VBUS	A4	
CC1	A5	
CC2	B5	
D−	A7	
D−	B7	
D+	A6	
D+	B6	
SBU1	A8	
SBU2	B8	

SHIELD
S1
GND A1
GND

R76 5.1k
R77 5.1k
GND GND

VCC_3V3

C13 1uF
C15 0.1uF
GND GND

R4 0
R90 10k,1%

R79
10k,1%

C49 1uF
C50 1uF
GND GND

U20

VBAT	16			
VDD33	15			
VDD18	23			
VDDIO	9			

RESETB 22
VBUS 17
DP 13
DM 14
ID 18
XO 20
REFCLK/XI 21
RBIAS 19

CLKOUT 2 USB334x_CLK
DATA0 4 USB334x_D0
DATA1 5 USB334x_D1
DATA2 6 USB334x_D2
DATA3 7 USB334x_D3
DATA4 8 USB334x_D4
DATA5 10 USB334x_D5
DATA6 11 USB334x_D6
DATA7 12 USB334x_D7
DIR 1 USB334x_DIR
STP 24 USB334x_STP
NXT 3 USB334x_NXT

GND 25
USB3343

USB334x_CLK
USB334x_D0
USB334x_D1
USB334x_D2
USB334x_D3
USB334x_D4
USB334x_D5
USB334x_D6
USB334x_D7
USB334x_DIR
USB334x_STP
USB334x_NXT

R78 1M

GND
Y1 26M

C12 4.3pF
C14 4.3pF
GND

R89 8.06k
GND

GND

J3

VBUS	1	T_VBUS
D+	3	USB20_D_P
D−	2	USB20_D_N

Shield GND
5   4
USB_A
GND

J1001
USB_C_Receptacle_USB2.0_16P

VBUS   A4   5V
CC1   A5   R1001   5.1k
CC2   B5   R1002   5.1k   GND
D−   A7
D−   B7   USB_D−
D+   A6   USB_D+
D+   B6

SHIELD   SBU1   A8
GND   SBU2   B8
S1   A1
GND

GND   3.3V   TP1001
AVDD33   TP1002
POWER_SYS   5V   TP1003
GPIOA0   SPI_SCK
GPIOA1   SPI_CS
GPIOA2   SPI_MISO
GPIOA3   SPI_MOSI
GPIOA4
GPIOA5   KEY
GPIOA6   RX
GPIOA7   TX
GPIOA8   LED_B   TP1004
GPIOA9   LED_R   TP1005
GPIOB0   TP1006
GPIOB1   LED_G   TP1007
GPIOB2   SRST
GPIOB3

SPI_MOSI   TDI
SPI_MISO   TDO
SPI_SCK   TCK
SPI_CS   TMS

KEY   VL_KEY

5V   VL_5V

TDI   VL_TDI
TMS   VL_TMS
TCK   VL_TCK
SRST   VL_SRST
TDO   VL_TDO
TX   VL_TX
RX   VL_RX

2x5_2.54.1001
TCK   1   2   GND
TDO   3   4
TMS   5   6
      7   8   SRST
TDI   9   10 GND

AVDD33
C1005   C1008
10uF   1uF
GND   GND

AE1001
Antenna_Shield
L1003
0R
C1002
NC
GND
GND

L1004
4.7uH,MPL2012S4R7MHT
C1009
10uF
GND
POWER_SYS
C1010 C1011
10uF   NC
GND

U1001
37GND 36 35POWER_KEY 34GPIOA9 33AVDD33 32AVDD33 31 30GPIOA8 29V_FLS 28 27POWER_SYS 26GPIOB2

GND RF_ANT POWER_KEY GPIOA9 AVDD33_PA AVDD33 V_RF GPIOA8 V_FLS SW VBAT GPIOB2

L1001
0R
GPIOA7 2 GPIOA7   V_CORE 25
GPIOA0 3 GPIOA0   VIO   24AVDD33
GPIOA1 4 GPIOA1   FLS_IO0 23FLS_IO0
GPIOA2 5 GPIOA2   FLS_CLK 22FLS_CLK
GPIOA3 6 GPIOA3   FLS_IO3 21FLS_IO3
GPIOA4 7 GPIOA4   FLS_IO2 20FLS_IO2
                           FLS_IO1 19FLS_IO1
RF_IND 1
GND

C1012 C1013
1uF   1uF
GND   GND

GPIOA5 8 GPIOA5
GPIOA6 9
XTAL1   10 XTAL1
XTAL2   11 XTAL2
AVDD18 12 AVDD18
GPIOB3 13 GPIOB3
GPIOB0 14 GPIOB0
GPIOB1 15 GPIOB1
USB_DM 16 USB_DM
USB_DP 17 USB_DP
FLS_CS 18 FLS_CS

AIC8800FC

GPIOA5 GPIOA6 GPIOB3 GPIOB0 GPIOB1 USB_D− USB_D+ FLS_CS

GND
Y1001
26M, 10PPM
C1003   C1006   C1007
4.3pF   4.3pF   1uF
GND   GND

R1003 47k
POWER_SYS   POWER_KEY

V_FLS
U1002
P25Q80H/P25Q64H/P25Q128HA
8
FLS_CS   1 CS   VCC   DI(IO0) 5 FLS_IO0
                          DO(IO1) 2 FLS_IO1
FLS_CLK 6 CLK   IO2   3 FLS_IO2
            GND EP IO3   7 FLS_IO3
            4   9
GND

EA3036_OUT3 L5 1.5uH

C36 10uF C37 10uF GND GND

VCC_5V C33 10uF GND

VCC_5V C34 1uF GND

VCC_5V R35 10k,1% EA3036_EN1
VCC_5V R36 33k,1% EA3036_EN2
VCC_5V EA3036_EN3

GNDGND C39 1uF C40 1uF

R33 150k,1% C35 220pF
R34 33k,1%
GND

U6

21 GND 20 LX3 19 VIN3 18 EA3036_EN3 17 GND 16 VCC

EPAD

GND 1 GND3
2 FB3
3 FB2
GND 4 GND2
GND 5 GND2

AGND 15 GND
FB1 14
GND1 13 GND
GND1 12 GND
LX1 11 L3 1.5uH

R30 33k,1%
C25 220pF R29 20k,1%

EA3036_OUT1
C26 10uF C27 10uF GND GND

GND R32 10k,1%
R31 20k,1% C28 220pF

LX2 6
VIN2 7
EN2 8
EN1 9
VIN1 10

L4 1.5uH VCC_5V EA3036_EN2 EA3036_EN1 VCC_5V

EA3036C

EA3036_OUT2
C29 10uF C30 10uF GND GND

C32 10uF C31 10uF GND GND

U9

GND 1 S1 D1 6
3V3 2 G1 D2 5
1V8_2 3 D2 S2 4 1V8

R5 10k,1%

CJ3439KDW

VCC_5V VCC_5V
0V963 0V963 EA3036_OUT1
1V8 1V8 EA3036_OUT2
3V3 3V3 EA3036_OUT3
1V8_2 1V8_2

Tek 预览   M 2.00ms

缩放系数: 2.5 X

1 500mV   2 500mV   3 500mV   4 500mV
Z 800μs
→0.00000 s
1.00G次/秒
20M 点
1 ∫ 580mV

21 6月 2025
18:12:14