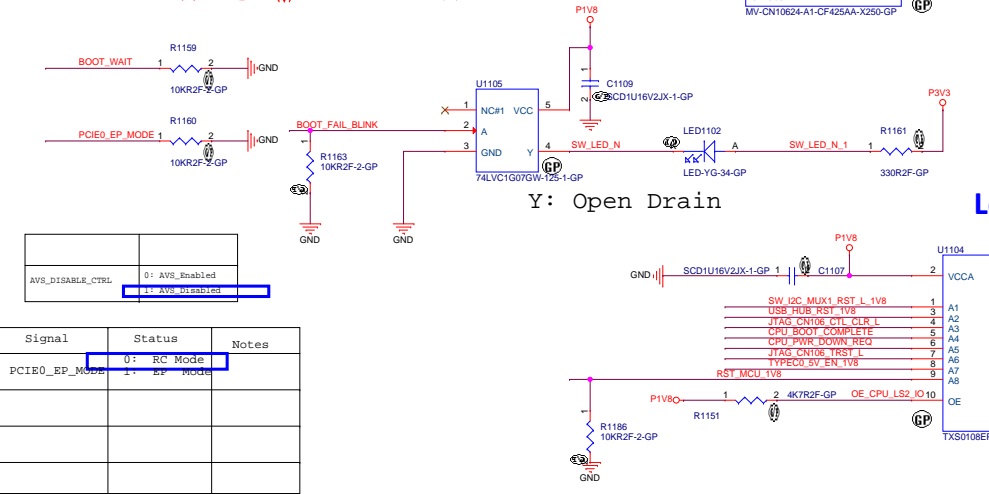
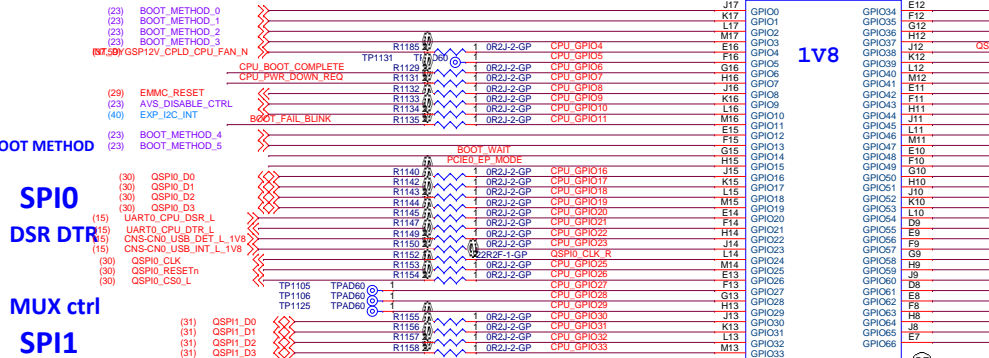
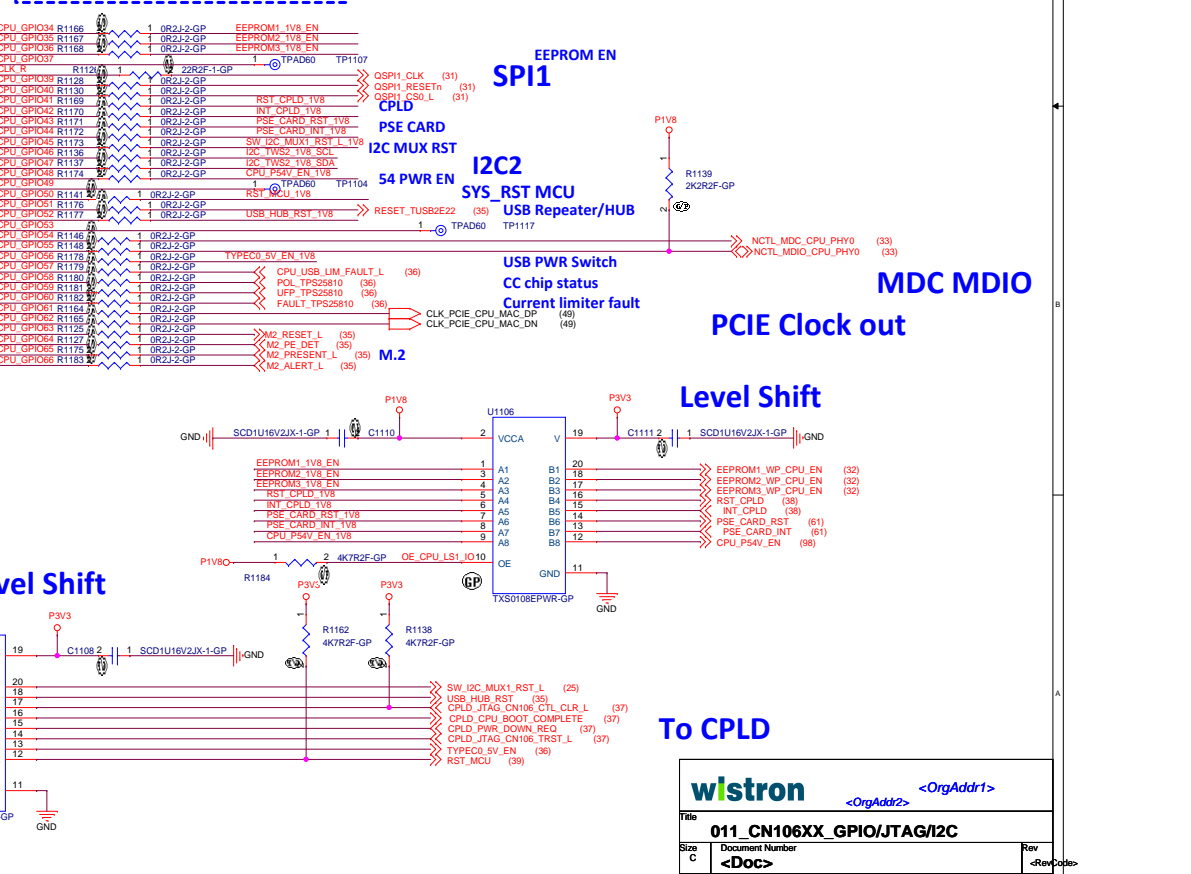


BOOT METHOD



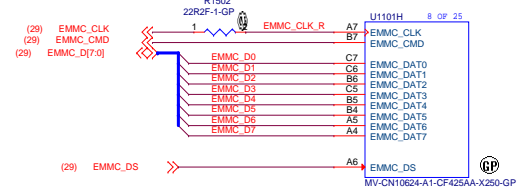
AVS_DISABLE_CTRL	0: AVS_Enabled 1: AVS_Disabled
------------------	-----------------------------------

Signal	Status	Notes
PCIE0_EP_MODE	0: RC Mode 1: EP Mode	



wlstron <OrgAddr1>
 <OrgAddr2>
 Title: **011_CN106XX_GPIO/JTAG/I2C**
 Size: C Document Number: <Doc>
 Date: Friday, September 16, 2022 Sheet 11 of 100

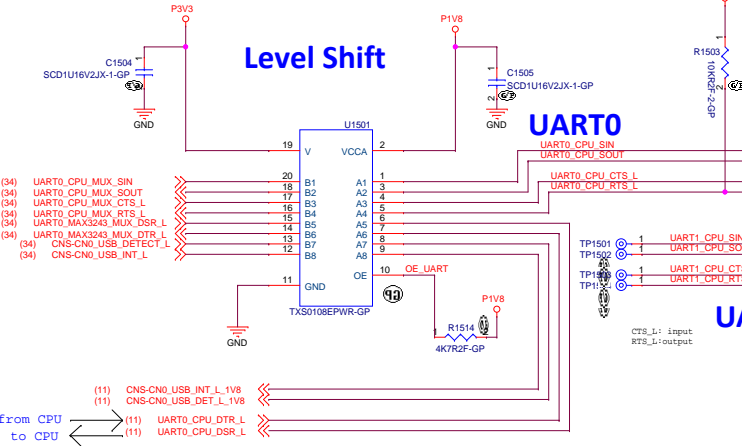
EMMC



Level Shift

UART/GPIO/TWSI are CMOS 1.8V

Level Shift



UART0

UART1

I2C0

I2C1

I2C2

USB0 to repeater

support usb3.1 10Gbps

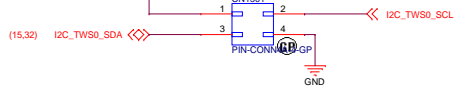
USB1 to repeater

Reserved for PIM module

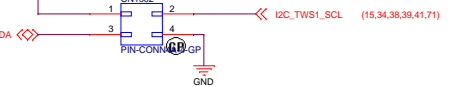
USB0/_ED_P/N go to USB repeater

I2C Header
021.D0049.0202
HEAD ML 2R4P 212-92-02GBE1 SMD ,NY9T

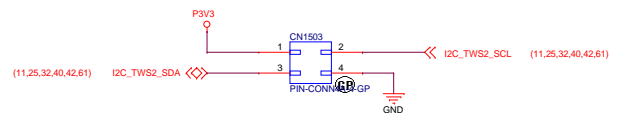
I2C0



I2C1



I2C2



UART MUX

Switch path selector input Function Table

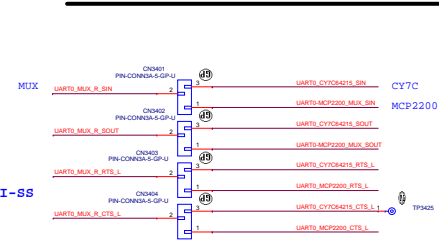
EN	IN	STATE	
L	** L	NC1-NC4 (pin2, 5,11,14)	UART to RS232
L	H	NO1-NO4 (pin3, 6,10,13)	UART to USB
H	X	X	

To UART RS232 line protection



To UART --> USB
Option 1: CY7C64215
**Option 2: MCP2200-I-SS

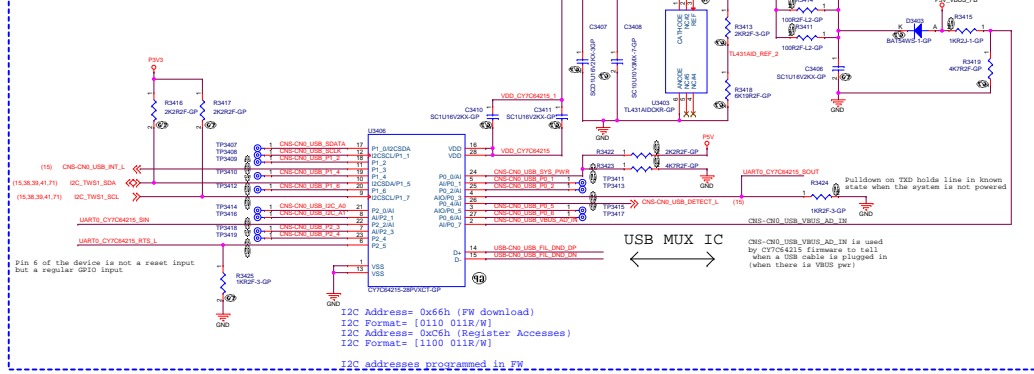
UART to RJ45 path



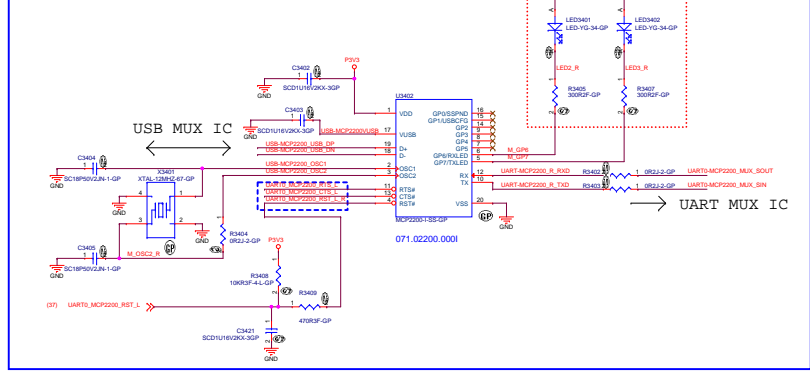
HEADER need jumpers
021, D0571, 0103

**Console board
UART to USB controller**

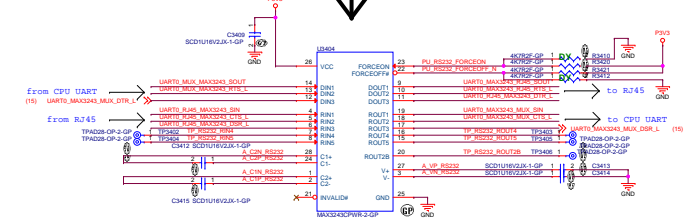
**Option1- EDCS-654458
CY7C64215-28PVXCT**



**Option2
MCP2200-I-SS**



RS232 line protection

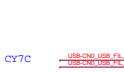


Switch path selector input Function Table

EN	IN	STATE	
L	** L	NC1-NC4 (pin2, 5,11,14)	USB 2.0 by CY7C/MCP2200
L	H	NO1-NO4 (pin3, 6,10,13)	CPU USB 2.0 directly
H	X	X	

P/N:022.10060.000H
UDE-RUM0-WT-0001 (console)
USB-TypeA / RJ45 (Console)
UART <-> RJ-45

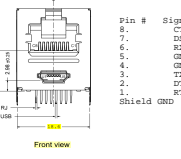
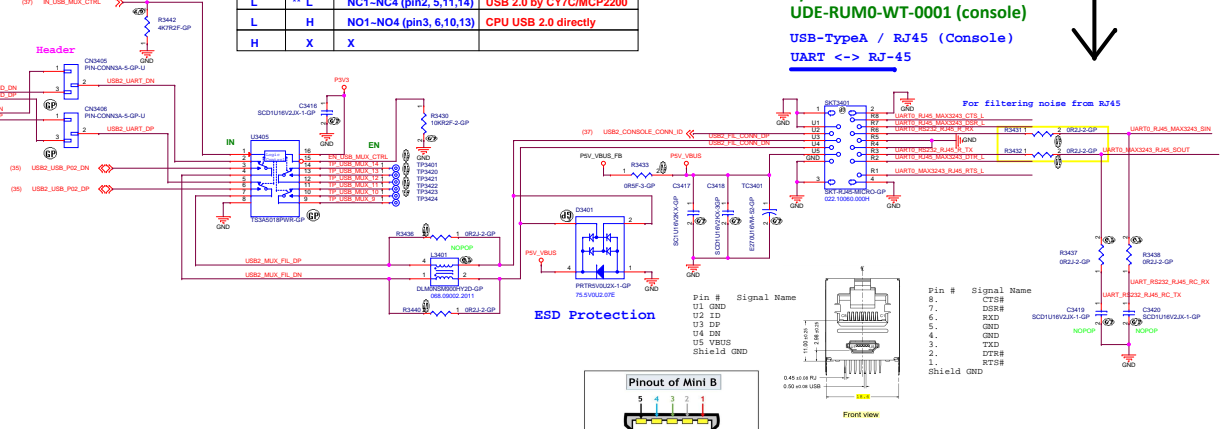
USB MUX



CY7C

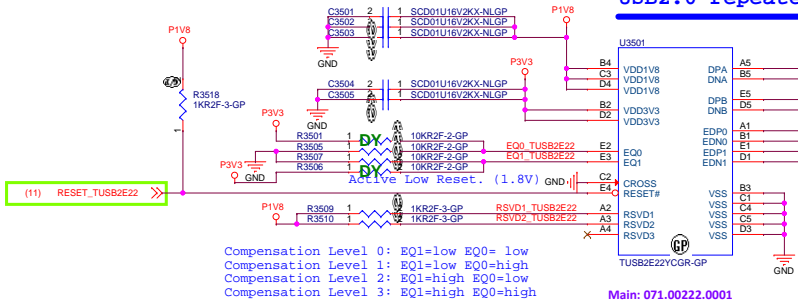
MCP2200

USB 2.0 Repeater



Decoupling capacitors of 0.1uF should be placed less than 2mm from the power supply balls.

USB2.0 repeater

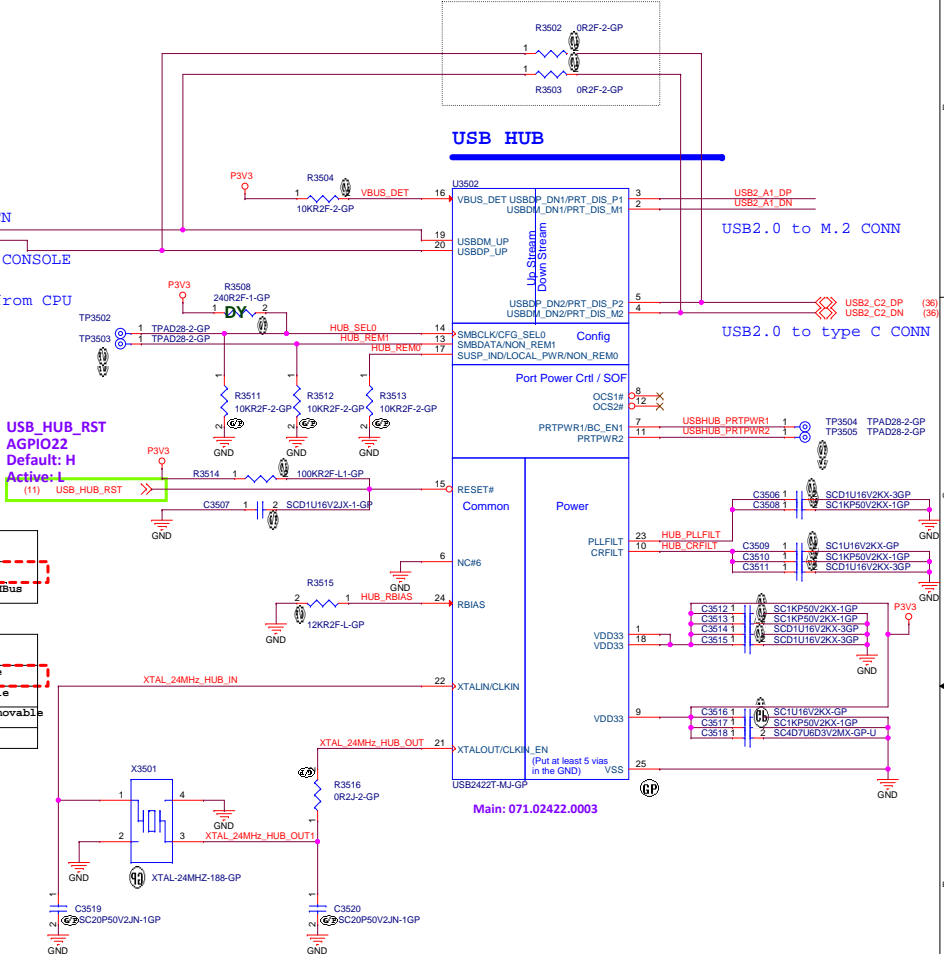


CFG_SEL	DESCRIPTION
0	DEFAULT
1	Configure externally over SMBus

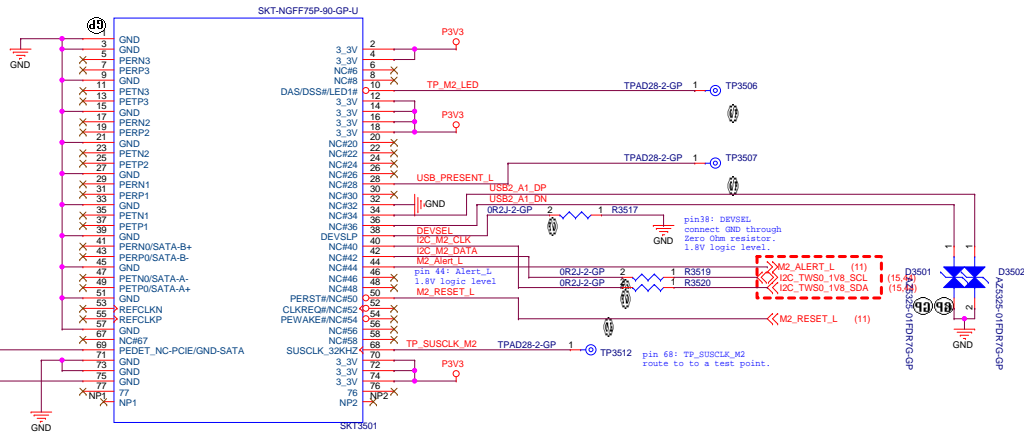
NON_REM[1:0]	DESCRIPTION
0 0	All port are removable
0 1	port 1 is non-removable
1 0	port 1 & 2 are non-removable
1 1	Reserved

CO-LAYOUT-DY

USB HUB



M.2 connector
 062.10003.0601
 FOXCONN-
 2E0BC21-S85BM-7H



Pin	Function	Pin	Function
1	GNND	2	3.3V
3	GNND	4	3.3V
5	GNND	6	NC
7	GNND	8	NC
9	GNND	10	LED (out)
11	GNND	12	GNND
13	GNND	14	3.3V
15	GNND	16	3.3V
17	GNND	18	GNND
19	GNND	20	GNND
21	GNND	22	GNND
23	GNND	24	GNND
25	GNND	26	GNND
27	GNND	28	GNND
29	GNND	30	GNND
31	GNND	32	GNND
33	GNND	34	GNND
35	GNND	36	GNND
37	GNND	38	GNND
39	GNND	40	GNND
41	GNND	42	GNND
43	GNND	44	GNND
45	GNND	46	GNND
47	GNND	48	GNND
49	GNND	50	GNND
51	GNND	52	GNND
53	GNND	54	GNND
55	GNND	56	GNND
57	GNND	58	GNND
59	GNND	60	GNND
61	GNND	62	GNND
63	GNND	64	GNND
65	GNND	66	GNND
67	GNND	68	GNND
69	GNND	70	GNND
71	GNND	72	GNND
73	GNND	74	GNND
75	GNND	76	GNND