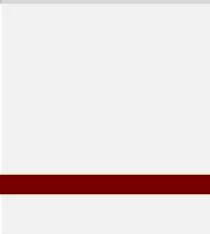
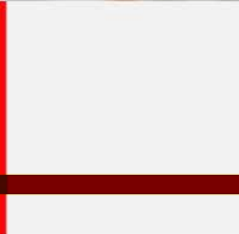
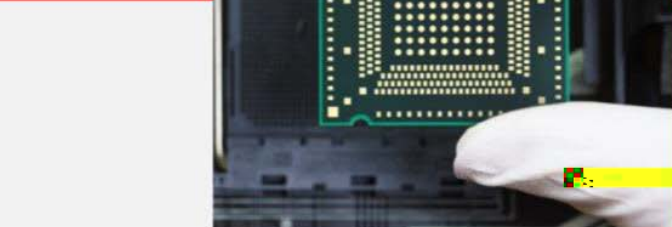
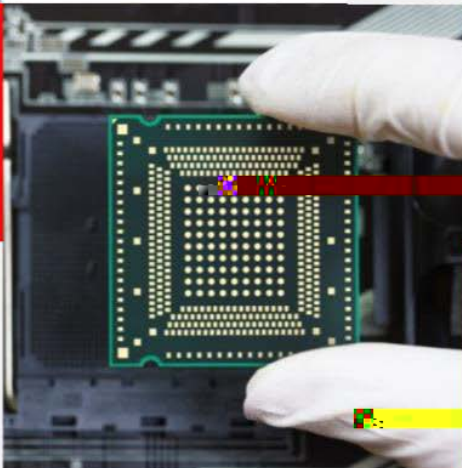


EC800X_ " "

2022-09-18

Bruce



EC800X_ ()
CAT1 EC800 layout

	.....	1
1	.....	4
1.1	.....	4
2	“ ”	5
2.1	.....	5
2.2	“ ”	5
2.3	.....	6
2.4	.....	6
2.5	.....	6
3	“ ”	7
3.1	.....	7
3.2	*	9
3.3	.....	10
3.4	.....	11
3.5	GNSS	11
3.6	WiFi_Scan	11
4	.....	12
4.1	.....	13
4.2	.....	14
5	.....	15
5.1	.....	15
5.2	.....	16
5.3	.....	16
6	.....	16

6.1	.....	16
6.2	.....	17
6.3	.....	17
7	.....	18
7.1	.....	18
7.2	.....	18
8	.....	19
	.....	19
USB_BOOT	.....	19
8.3	.....	19
8.4	.....	19
	.....	20
	.....	20

1

1.1

V1.0	Bruce	2022-09-18	
V1.1	Bruce	2022-10-07	
V1.2	Bruce	2022-10-22	
V1.3	Bruce	2022-11-01	ADC
V1.4	Bruce	2022-11-30	R/PK

*

2.3

EC800X

IPEX

SIM Nano SIM 6 PIN

2.4

5V-16V

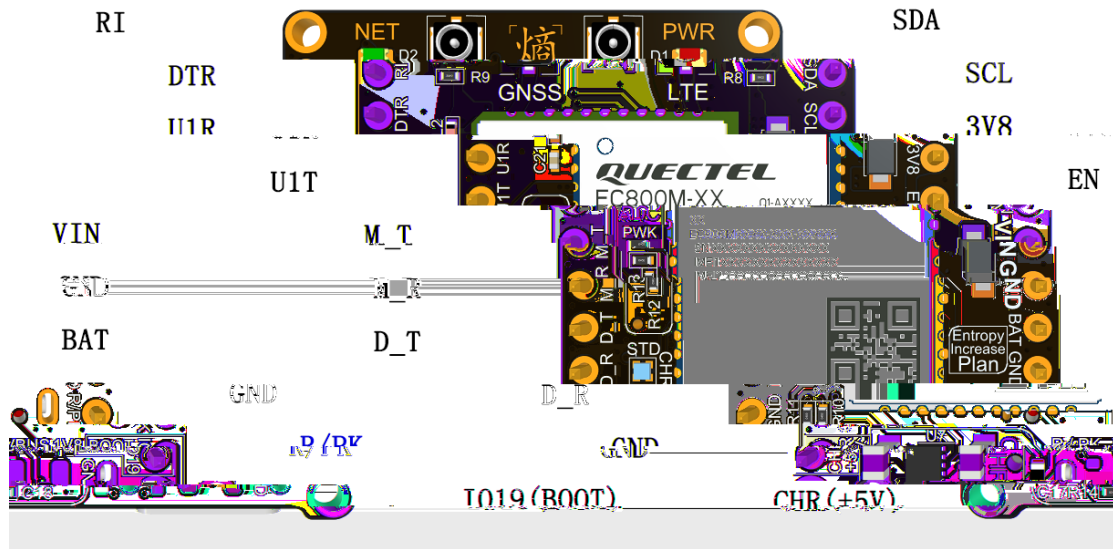
3.3V

2.5

1 30M/

3 " " *

EC800X



EC800X

2.54mm

20-pin

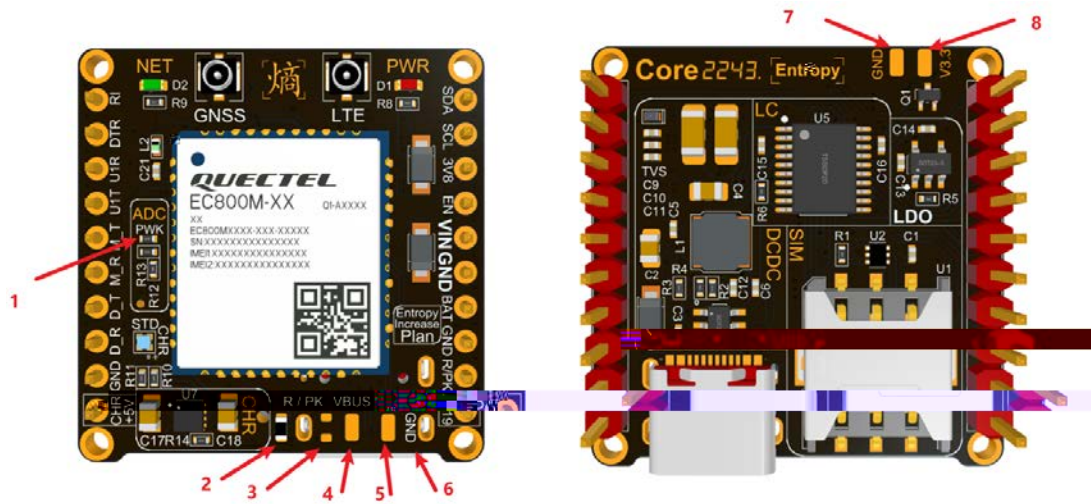
3.1

1	RI	MAIN_RI			3V3
2	DTR	MAIN_DTR			3V3
3	U1R		Python	UART1_RXD	3V3
4	U1T		Python	UART1_TXD	3V3
5	M_T	MAIN_TXD			3V3
6	M_R	MAIN_RXD			3V3
7	D_T	DBG_TXD			1V8

8	D_R	DBG_RXD	1V8
9			

3.2

*

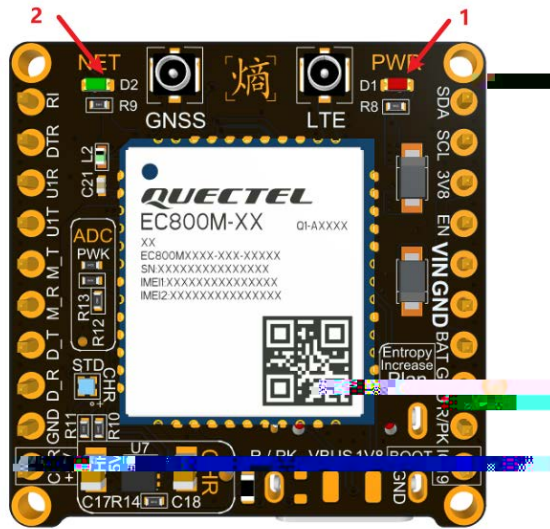


- 1 PWK: powerkey
- 2 RST: reset 0
- 3 PK: powerkey 0
- 4 VBUS: USB_VBUS
- 5 1V8: VDD_EXT
- 6 GND:
- 7 GND:
- 8 V3.3: LDO 3.3V

1 PWK 2 RST 0

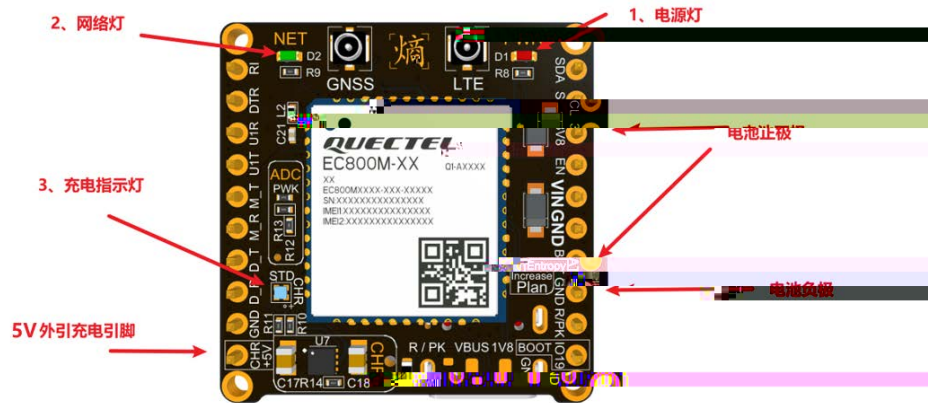
3 PK R/PK

3.3



1		1	2
2	1	2	
3	1	2	
4	1	2	
5		1	2
*		1	2

3.4



1				3V8	BAT
			GND		
2	1		Type-C	Type-C	CHR
	5V	1	3		
3	2		1	3	
*		3.7V	4.2V		
	4.2V				
		ADC			ADC
		ADC:VBAT=1:4			

3.5 GNSS

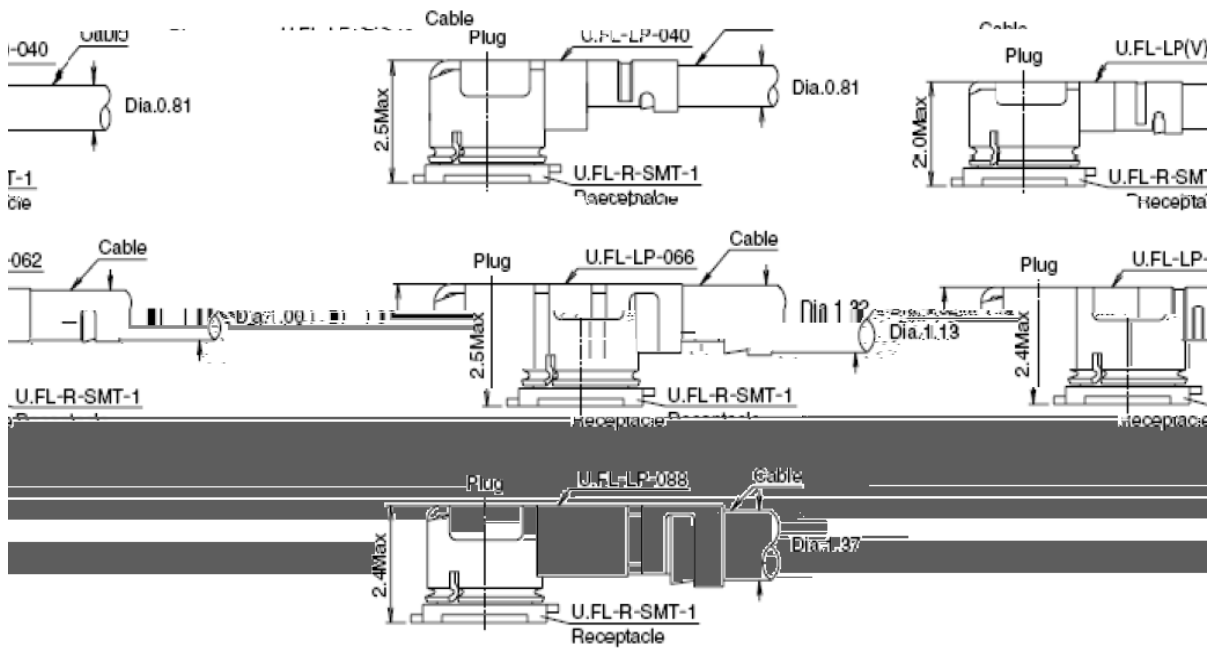
	EC800MCNGA	GNSS	IPEX
GNSS			

3.6 WiFi_Scan

WiFi_Scan	WiFi_Scan	LTE
-----------	-----------	-----

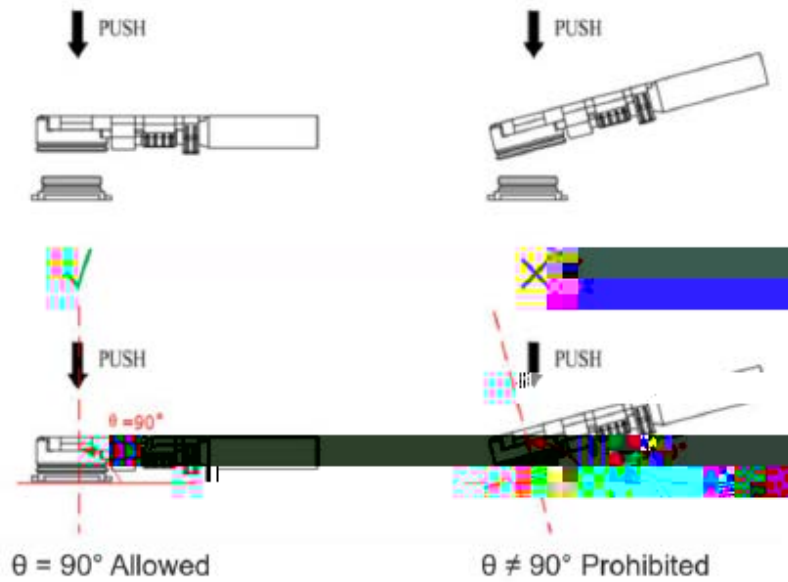
4

U.FL



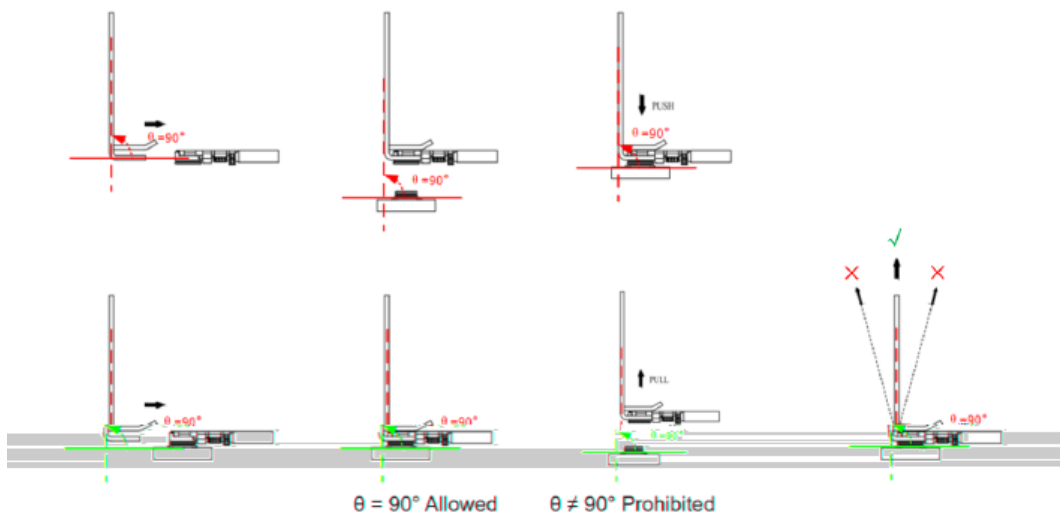
4.1

90



90°

4.2



5

EC800X

5.1

EC800X

USB

5.0~5.1 V

USB_VIN	USB	4.6	5.0	5.1	V
---------	-----	-----	-----	-----	---

I/O

VIH		$0.7 \times VCC$	$VCC + 0.3$	V
VIL		-0.3	$0.3 \times VCC$	V
VOH		$VCC - 0.5$	VCC	V
VOL		0	0.4	V

* VCC 3.3V,

5.2

ESD

±5	±10	KV
±4	±8	kV
±0.5	±1	kV

5.3

1	-35	+25	+75	°C
2	-40		+80	°C
	-40		+90	°C

* 1 3GPP
2

3GPP

3GPP

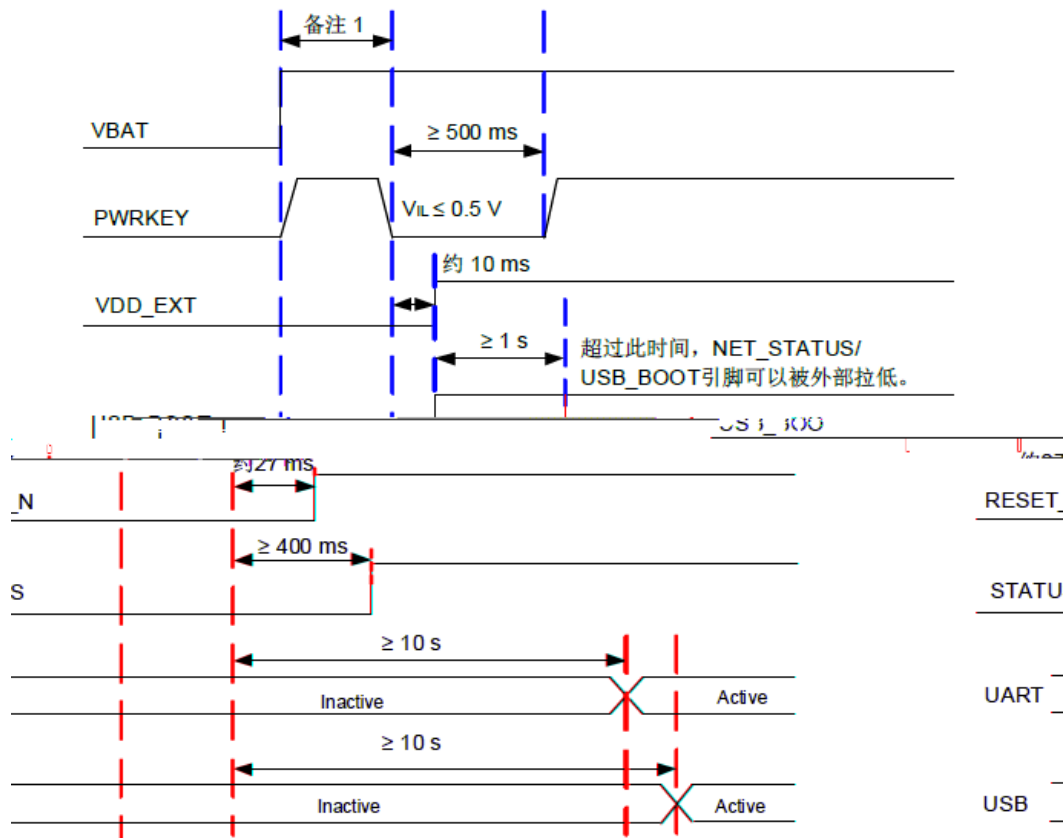
6

6.1

PCB

6.2

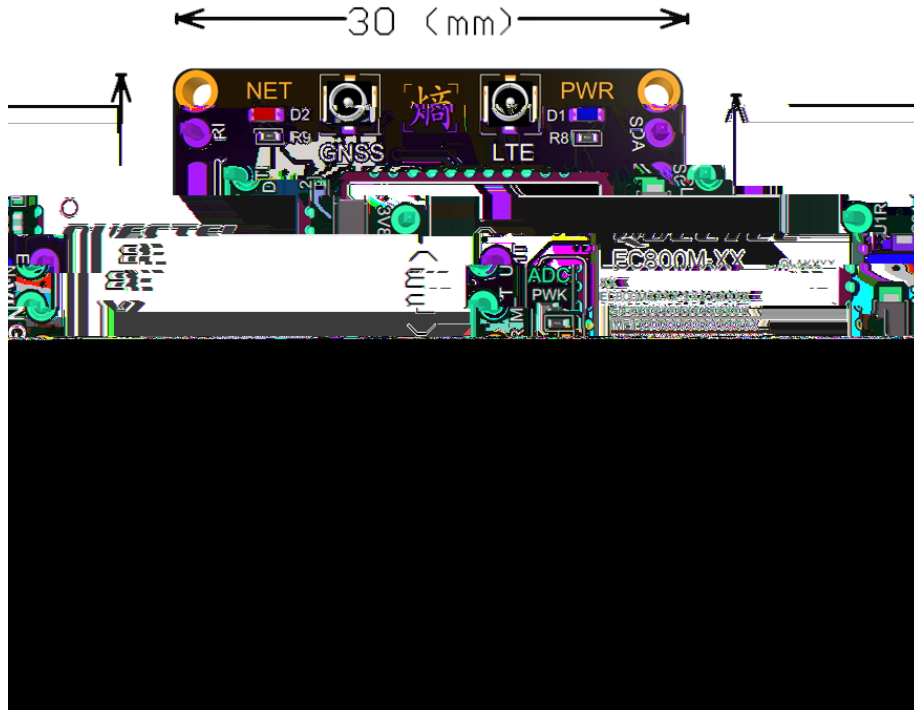
6.3



*

7

7.1



7.2

EC800X () FPC

8

8.1

EN

8.2 USB_BOOT

USB_BOOT (IO19)
IO19 AT AT+QDOWNLOAD=1
IO19

8.3

USB

USB

USB

8.4

3.7V

4.2V

4.2V

