

Lierda NR90-HCN

ADP

Rev1.0

2023-11-01

“

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Rev1.0	2023-11-02			



1	NR90-HCN LCC		NR N1,N3,N5,N8,N28,N41,N78,N79 LTE:B1,B3,B5,B8,B34,B38,B39,B40,B41 WCDMA:B1,B5,B8	5G SA 5G



.....	1
.....	2
.....	3
.....	4
.....	5
1	7
1.1	7
1.2	7
2	8
2.1	8
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2.3	9
2.4 LGA	10
2.5	10
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5		21



1

NR90-HCN 5G ADP

“ ADP ”

1.1

ADP

NR90-HCN 5G

USB2.0

SIM

BTB

NR90-HCN 5G

EVB

Open CPU

1.2

ADP

1.1 ADP

1		TypeC DC_IN EVB
2	BTB	EVB
3	USB2.0	Type C
4		115200bps
5		
6		
7	SIM	
8	WIFI	SDIO WIFI
9		RGMII

2

2.1

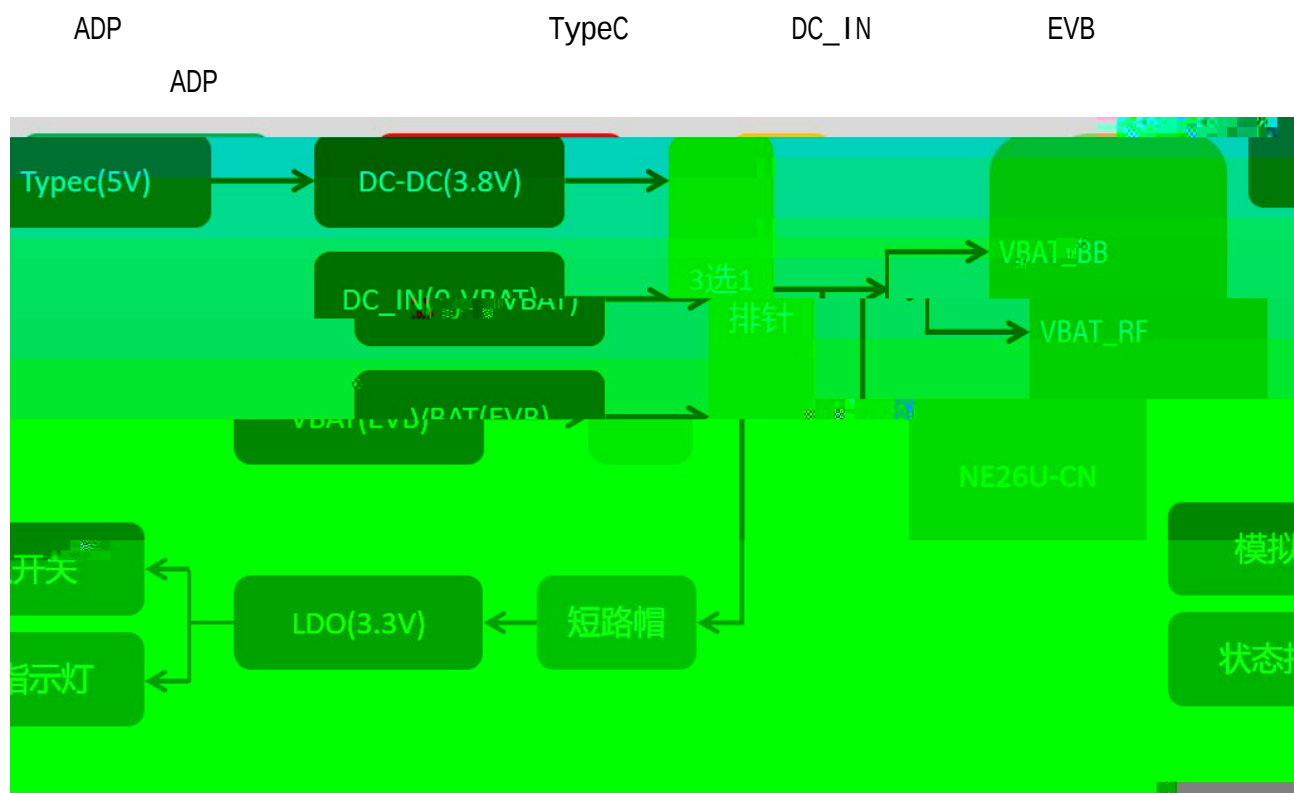
ADP	NR90-HCN 5G	LCC-LGA	144
LGA		ADP	
ADP	NR90-HCN 5G	TypeC	
		&	
USB		3.3V LDO	
		WPS	WIFI
			Redcap
ADP			



2.1 ADP

3

3.1



3.1 ADP

1 TypeC TypeC USB P2 VBAT
3V8



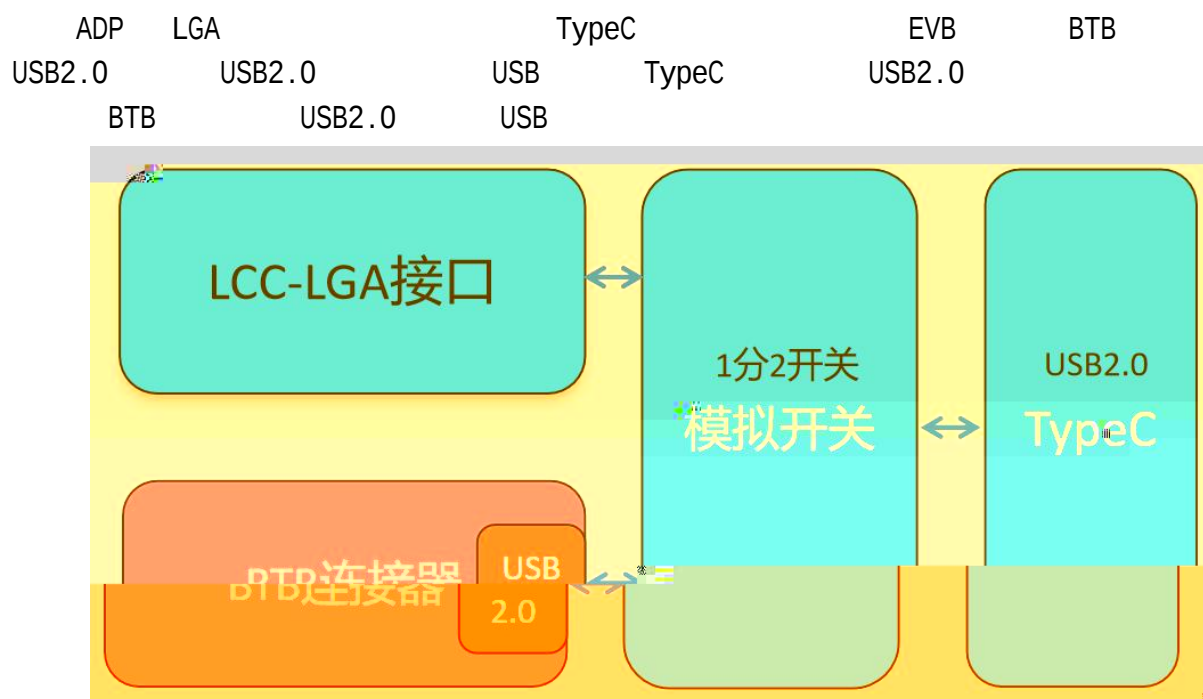
3.2 ADP TypeC

2 DC_IN

P2



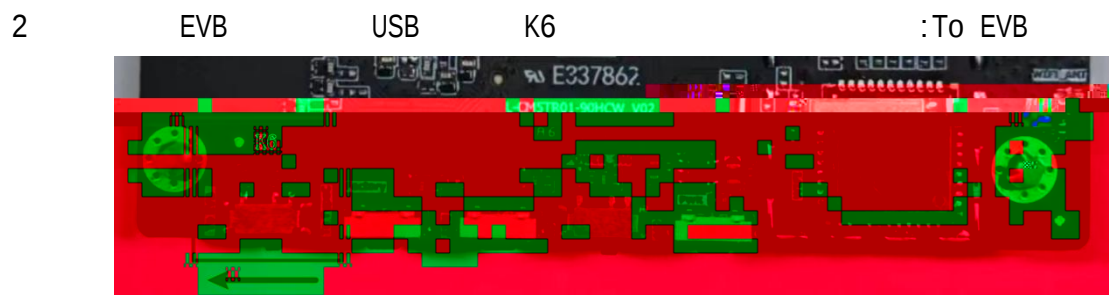
3.2 USB



3.5 ADP USB



3.6 ADP USB To TypeC

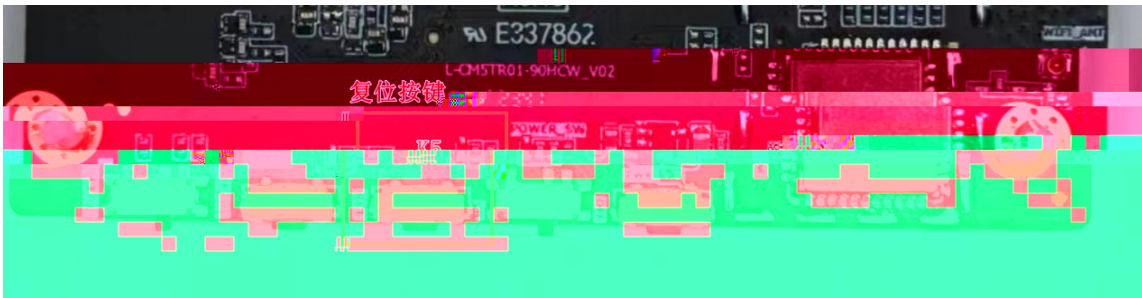


3.7 ADP USB To EVB

H P5 USB USB

3

K5 ADP



3.8 ADP

3.4 & P f





3.11 ADP / &

3.7

WIFI NET_MODE NET_STATUS STATUS

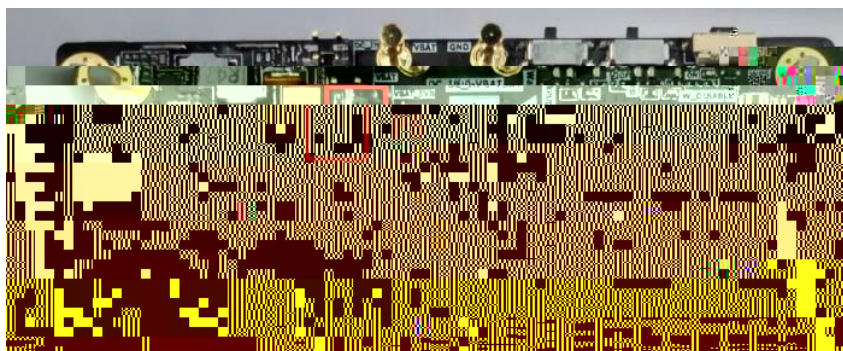
WIFI

08

r



3.13 ADP



3.14 ADP 3.3V LDO

3.9

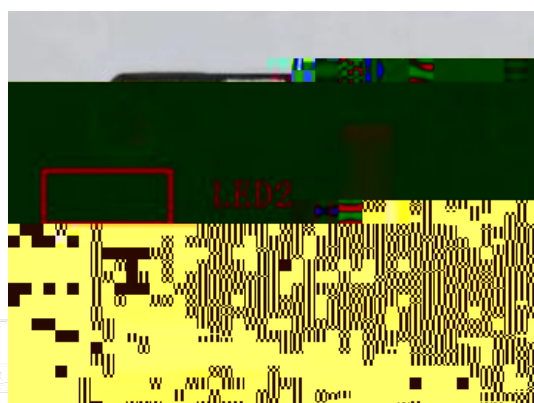
LED2

TypeC

DC_IN

EVB

LED2



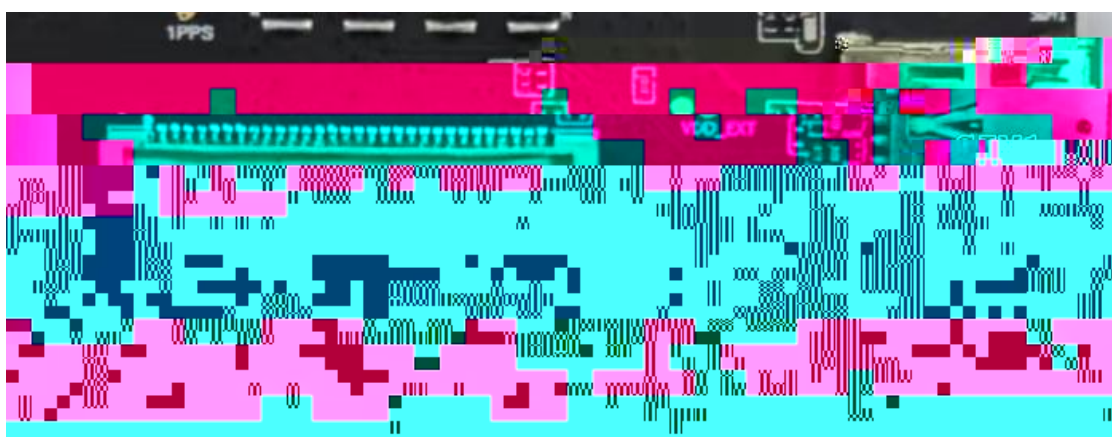
3.15 ADP

3.10 SIM

ADP

SIM

SIM1



3.16 ADP SIM

3.11

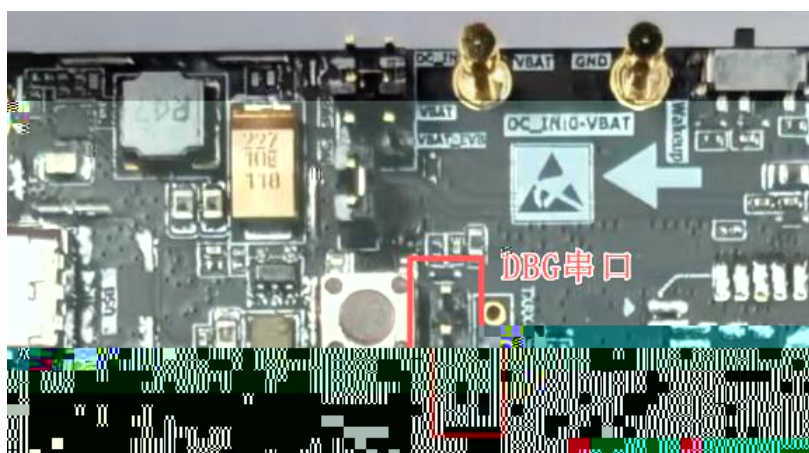
P6

115200bps

1.8V

1.8V

1.8V



3.17 ADP

3.12

K10

K10

2S

USB2.0



3.18 ADP

3.13

K7

K7

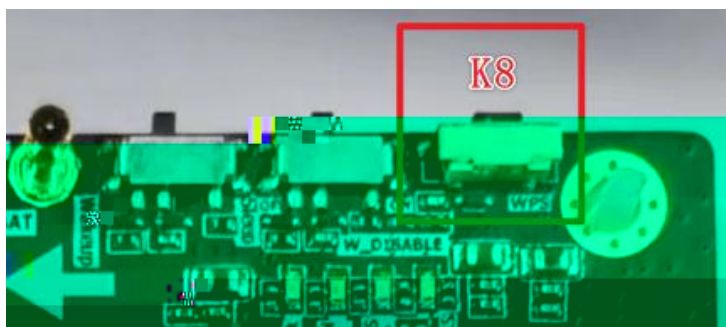


3.19 ADP

3.14 WPS

K8 WPS

K8 WPS



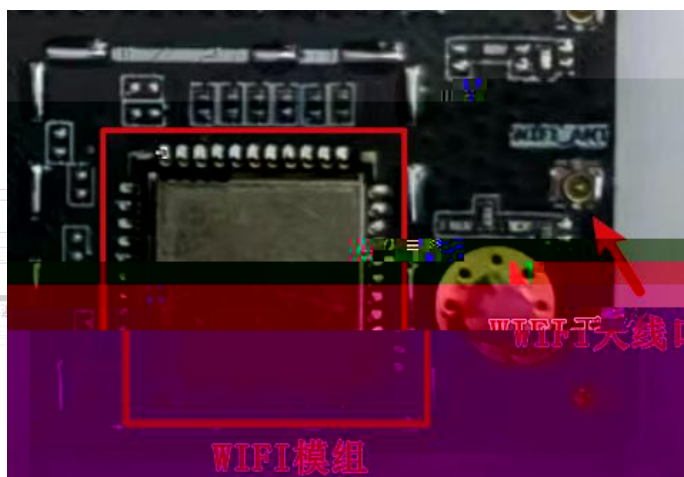
3.20 ADP WPS

3.15 WIFI

ADP

1 WIFI

WIFI

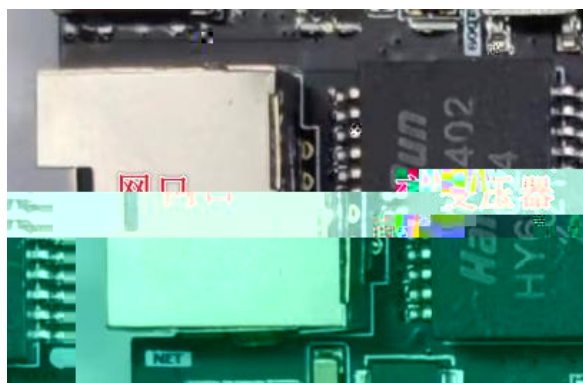


3.16

ADP

1 RGMII PHY

W



3.17

ADP 2
3-15-1

MAIN DIV

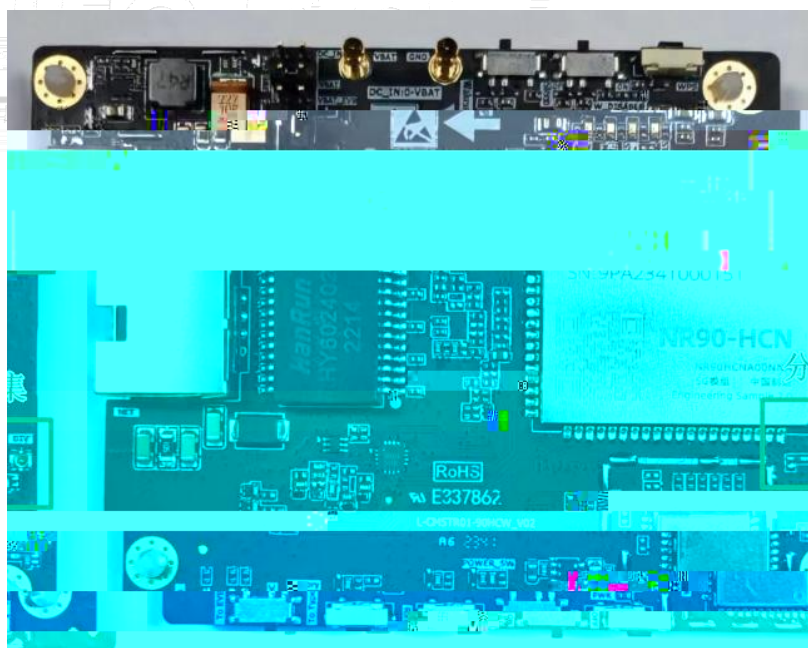
50Ω

49	M	TRx0	WCDMA: B1/5/8 LTE: B1/3/5/8/34/38/39/40/41 NR: n1/3/5/8/28/41/78/79	703 5000
35	D	Rx1	WCDMA: B1/5/8 LTE: B1/3/5/8/34/38/39/40/41 NR: n1/3/5/8/28/41/78/79	703 5000

3-15-2

	50 á
	Ů 2
	700-5000Mhz

OTA



3.21 ADP

5

5.1

[1]	NR90-HCN	
[2]	EVB	EVB

5.2

ADP Adapter Plate

EVB Evaluation Board

5G 5th Generation Mobile Networks

USB Universal Serial Bus

