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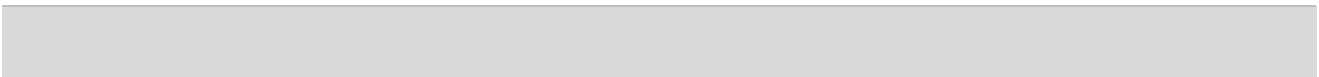
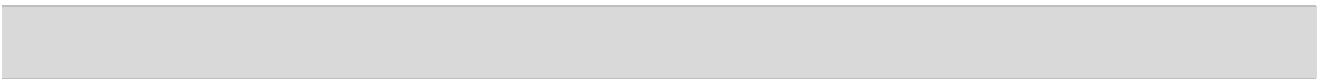
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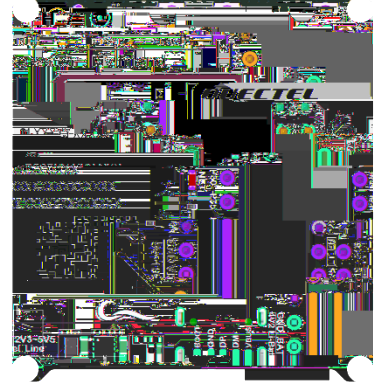
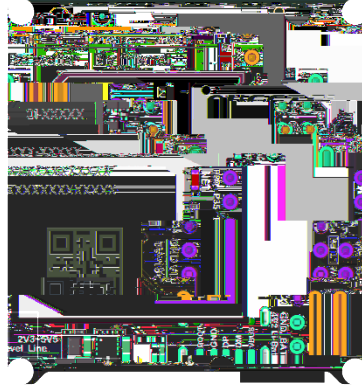
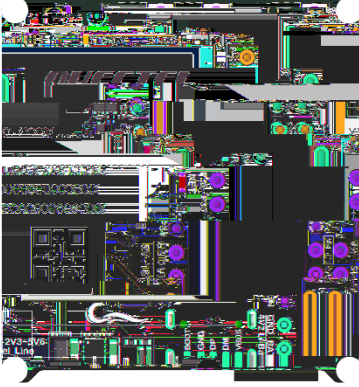


1.1.



1.2.

2



# 3



PH-7



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USB		5.1V: 3A	5V: 2A
		16V: 3A	5V: 2A
BAT	3.7V		

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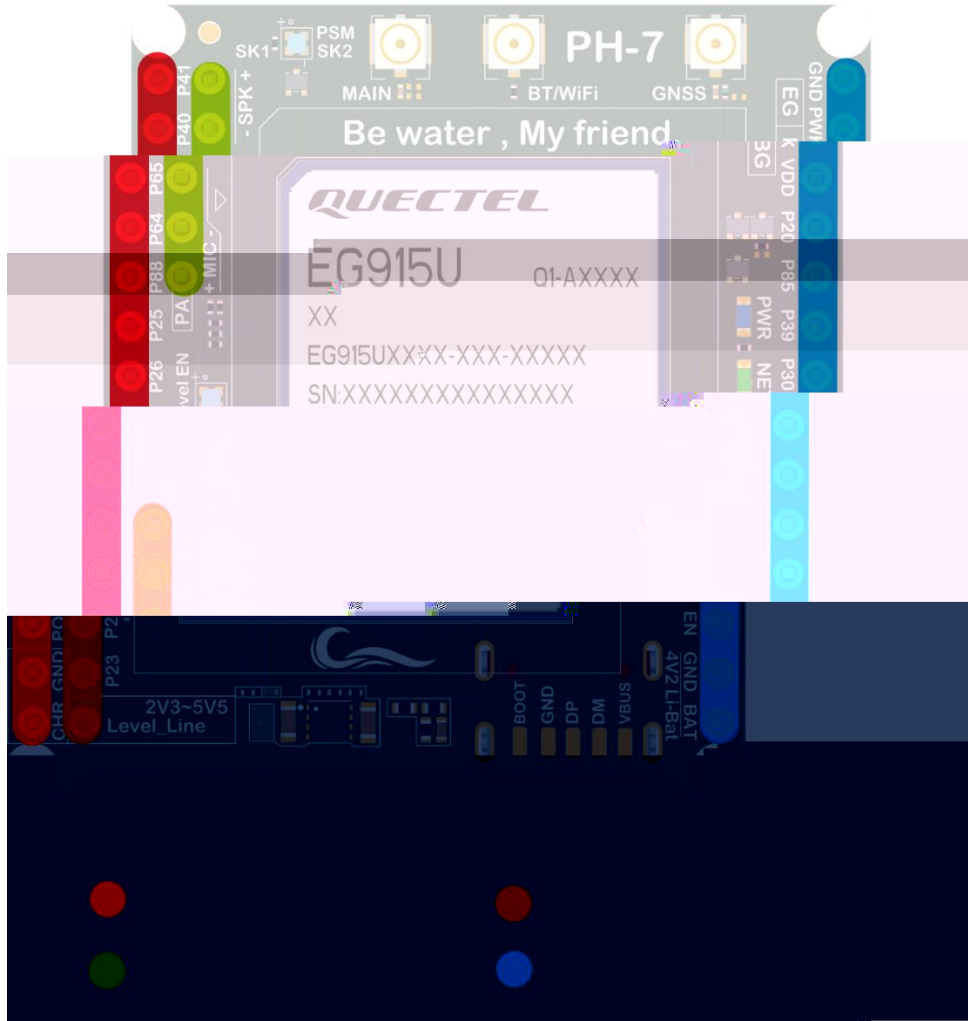
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# 4 描



## 4.1.



GPIO14		BG_CS1		BG&EG_SDA1	<b>P41</b>	X1	S1	<b>SPK_N</b>	Y1	<b>GND</b>					
GPIO13		BG_CLK1		BG&EG_SCL1	<b>P40</b>	X2	S2	<b>SPK_P</b>	Y2	<b>POWERKEY</b>					
BG_GPIO16	BG_RX2	BG_MISO1			<b>P65</b>	X3	S3	<b>MIC_N</b>	Y3	<b>VDD_EXT</b>					
GPIO15	BG_TX2	BG_MOSI1		EG_MOSI0	<b>P64</b>	X4	S4	<b>MIC_P</b>	Y4	<b>P20</b>			EG_PWM0	BG_GPIO22	EG_GPIO16
GPIO21				EG_MISO0	<b>P88</b>	X5	S5	<b>PA</b>	Y5	<b>P85</b>		BG_PWM1		BG_GPIO18	EG_GPIO18
GPIO9		BG_SDA2	BG_CS0	EG_CS0	<b>P25</b>	X6									

**4.2.**

**4.2.1. USB**

Type-C	USB				
		5V-16V		X13 X14	Y13 Y14
		4.2V			
USB	CHRG	X14			

**4.2.2.**

1	VIN		
2	EN Y12	DCDC	

**4.2.3.**

	3.3V	IC			
LT_EN	Y10		LT_EN	Y10	1V8 Y11

**4.2.4. GNSS**

GNSS		BG95			
1	AT	AT+QPGS=1	GNSS		
2				GNSS	P37
	P37	GNSS			

**4.2.5. SD SIM**

EG912UGLAA		SD		SD	P36	SD
	SD	SIM2	SD		SIM2	SIM2
SD						

**4.2.6. Flash**

Flash		Flash
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**4.2.8. ADC**

ADC

**4.2.9.**

PSM

QuecPython

**4.2.10. PSM**

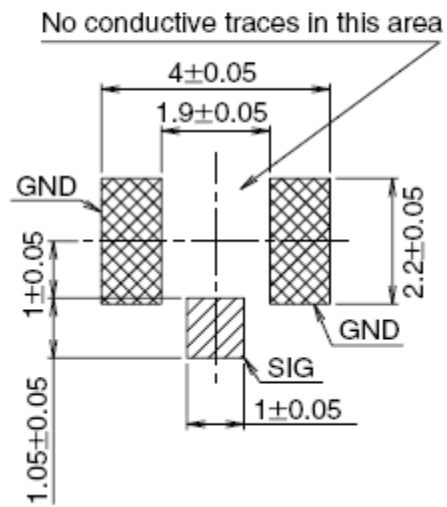
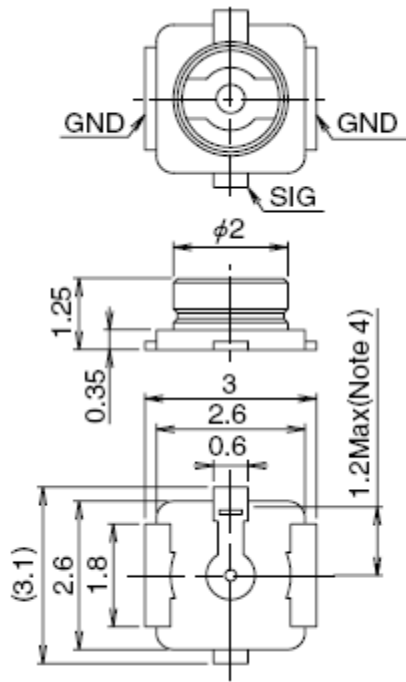
	PSM	PSM
1	POWERKEY	
2	PON X12	X12 X11

1.

2.

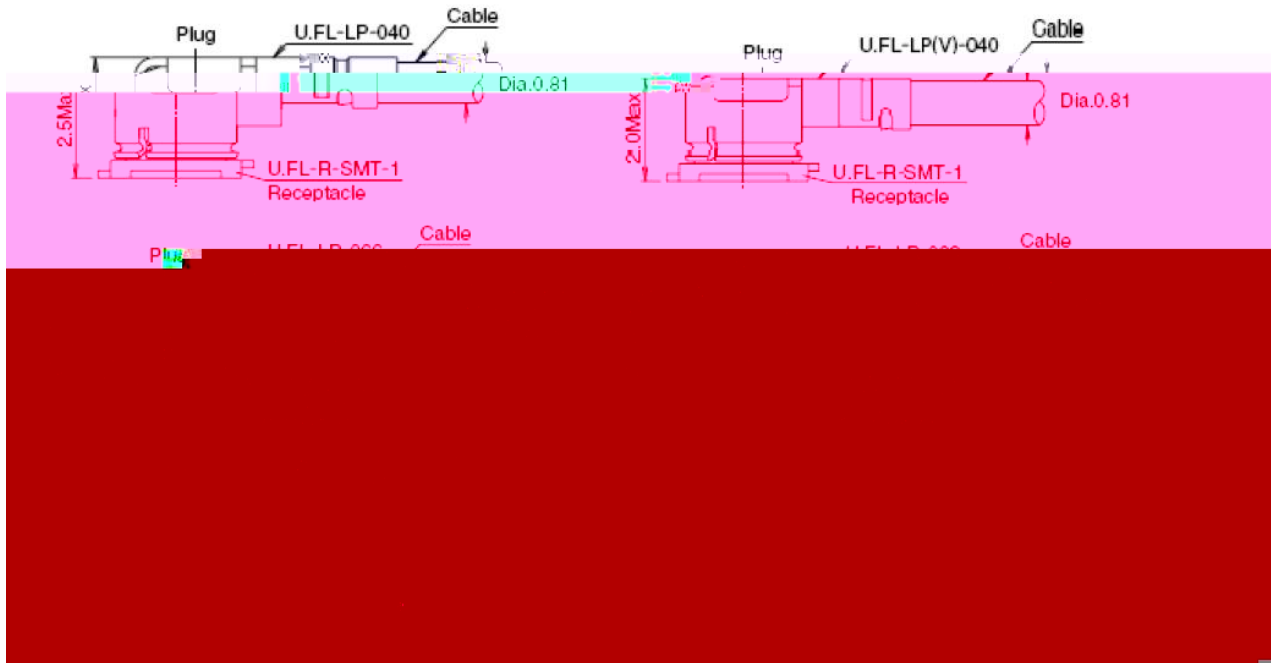
3.

# 5



	U.FL-LP-040	U.FL-LP-066	U.FL-LP(V)-040	U.FL-LP-062	U.FL-LP-088
Part No.					
Mated Height	2.5mm Max. (2.4mm Nom.)	2.5mm Max. (2.4mm Nom.)	2.0mm Max. (1.9mm Nom.)	2.4mm Max. (2.3mm Nom.)	2.4mm Max. (2.3mm Nom.)

Lead-free Coated	RoHS Compliant	Lead-free Coated	Lead-free Coated	Weight (mg) RoHS	RoHS Compliant
59.1	54.8 YES	45.5	71.7	53.7	



# 6



## 6.1.

d

**6.2.**

±4000	±8000	V
±4000	±8000	V
±500	±1000	V



# 8



## 8.1.

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[1] [QuecPython-PH-7C4-P02 Core Board Specification and User Guide V1.0.0](#)

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[2] [QuecPython-PH-7C4-P02 Schematic Diagram](#)

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[3] [QuecPython-PH-7C4-P02 Silkscreen](#)