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http://www.quectel.com/cn/support/sales.htm

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1.2. 7
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4 11
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4.2. 13
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7 I/O 17
8 18
9 ..... !
10 20

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PH-7 2.54mm 38PIN

设计理念：PH-7

Be water , My friend.

Python Open Python
Python https://python.quectel.com/download
Python API https://python.quectel.com/doc/API_reference/zh/index.html

1.1.

1

QuecPython BG&EG

2

QuecPython BG&EG	BG95 BG96 EG915UEUAB EG915ULAAB EG912UGLAA EG QuecPython Python API

1.2.

GPIO/UART/IIC/SPI/USB

EG
Python Open C

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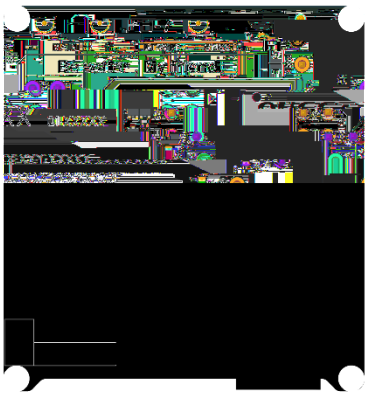

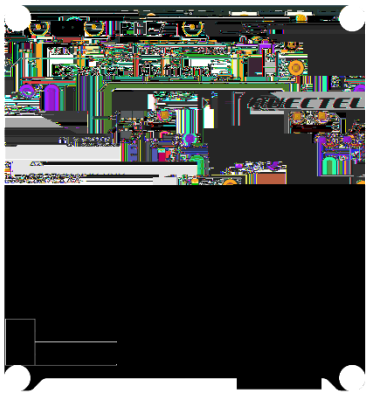

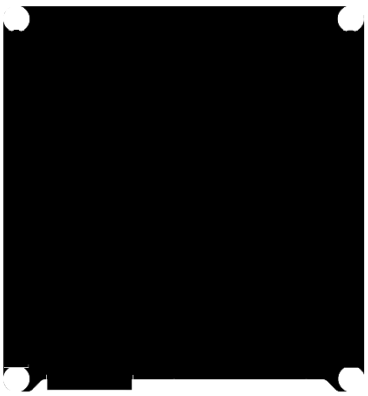

1 PH-7(C4-P02)

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PH-7

3

			-35 ~ 75 -40 ~ 85	1 2
		2.54mm	Type-C (USB2.0/USB3.0)	
		USB BAT	≤ 5.1V:3A ≥ 5V:2A ≤ 16V:3A ≥ 5V:2A 3.7V	
UART				(2.54mm)
SPI				(2.54mm)
IIC				(2.54mm)
USB*1	USB	Type-C Python		
LED*7	PWR			
	NET	P21		
	SK1	SIM1 SIM 1	SIM 1	
	SK2	SIM2 SIM 2	SIM 2 EG	
	PSM	PSM	PSM	

	CHR			
	STD			
ADC		ADC0	VBAT	VBAT:ADC0=4:1
GPIO		GPIO		2.54mm
Level_Line		2.3V-5.5V 3.3V		IC host
PWM		2.54mm		
LT_EN				
PON	PSM	PSM_EINT	PSM	
MIC&SPK				
PA	PA	SPK PA		

4	BOOT	
	EG	EG
	BG	BG
BOOT	USB_BOOT	

1. 3GPP
2. 3GPP
3GPP

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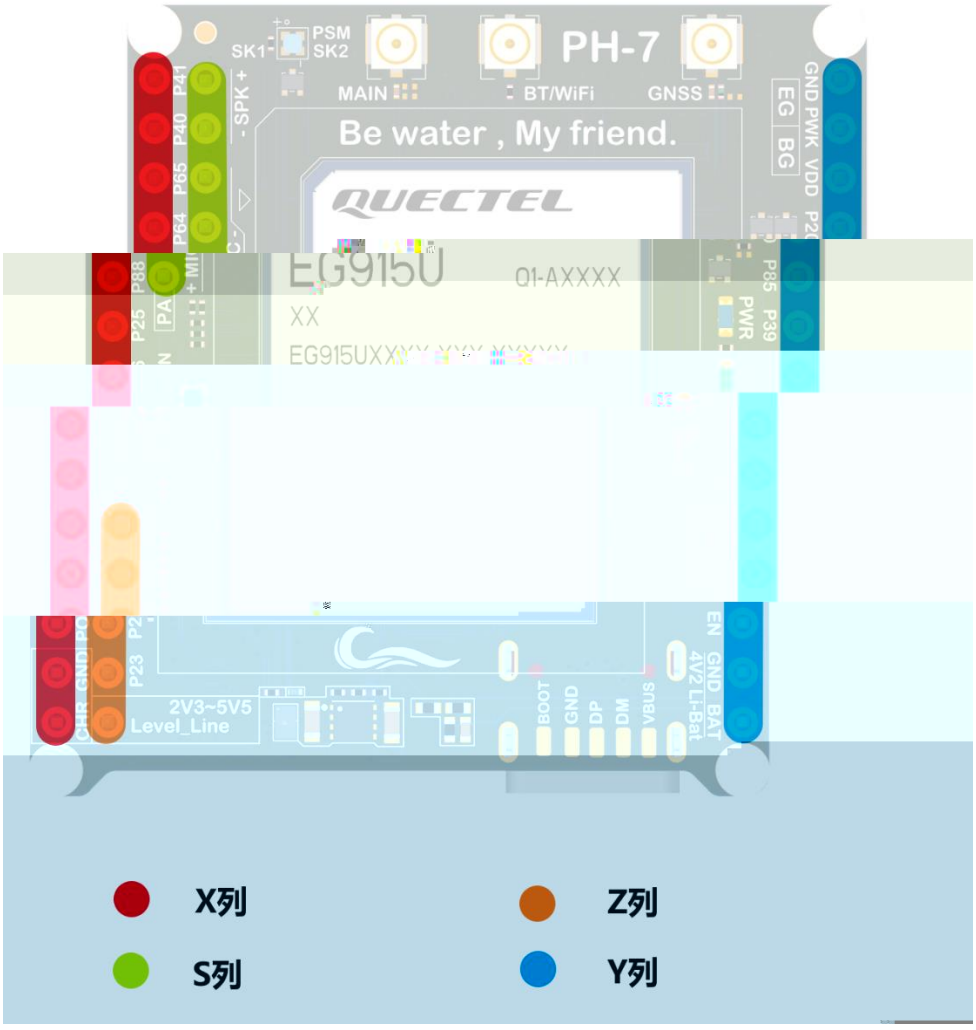
PH-7

4.1.

EG915U



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

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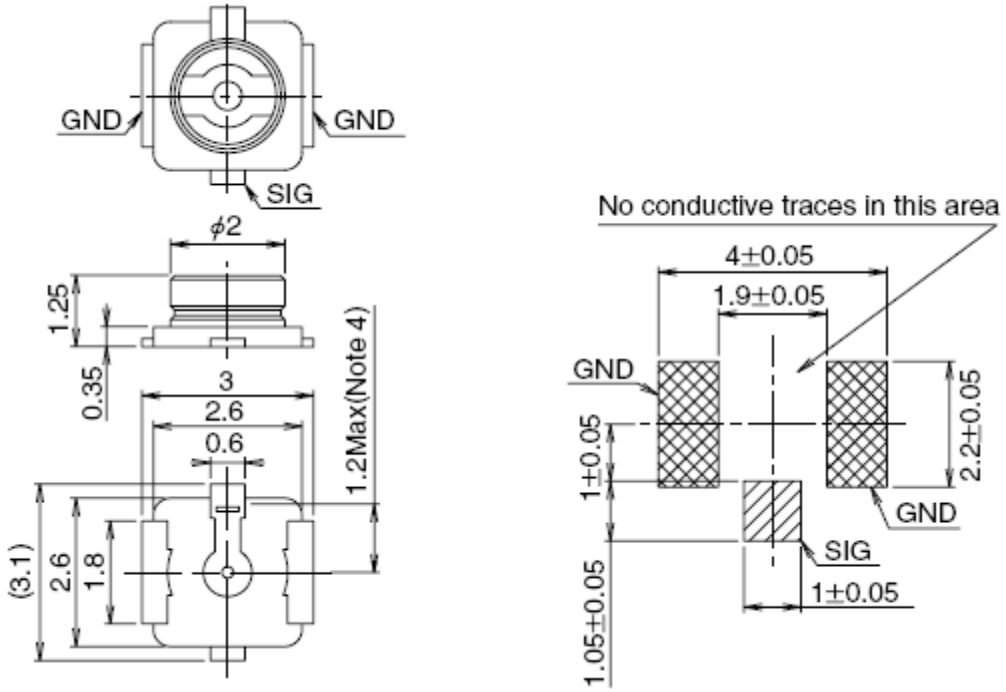

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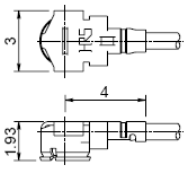
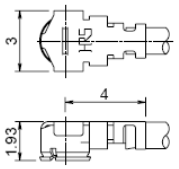
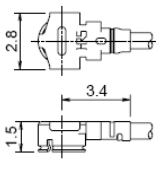
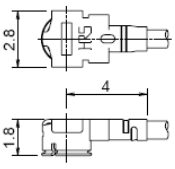
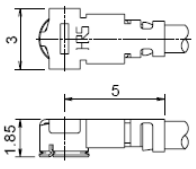
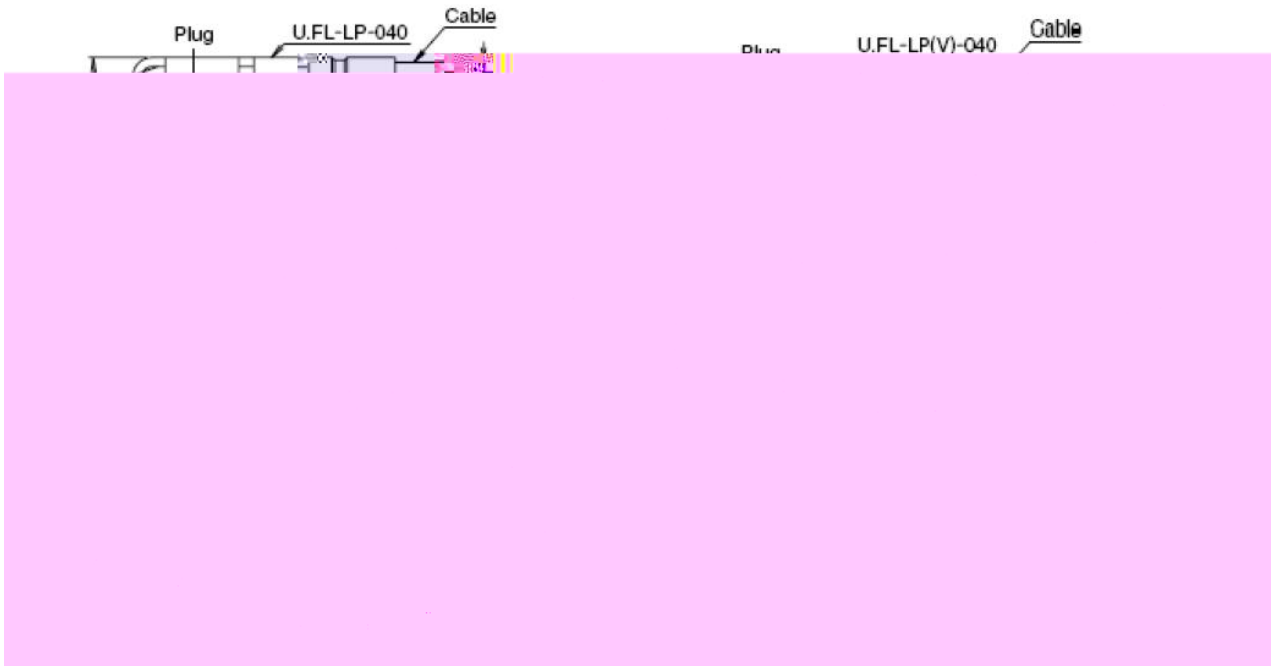
U.FL-LP

Part No.	U.FL-LP-040	U.FL-LP-066	U.FL-LP(V)-040	U.FL-LP-062	U.FL-LP-088
					
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.)
	Coaxial cable	Coaxial cable	Applicable cable Dia. 1.13mm and	Coaxial cable	Coaxial cable
	45.5	71.7	Weight (mg)	53.7	59.1	34.6
			RoHS			YES

4 U.FL-LP



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6.2.

ESD

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

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8.1.

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[1] QuecPython-PH-7C4-P02_Core_Board_Specification_and_User_Guide_V1.0.0
[2] QuecPython-PH-7C4-P02_Schematic_Diagram
[3] QuecPython-PH-7C4-P02_Silkscreen