



TK-1315TA

<table style="margin: auto;"> <tr> <td style="text-align: right;">GND</td><td style="width: 10px;">■</td><td>P8</td><td style="width: 20px;"></td><td>P7</td><td style="text-align: left;">GND</td></tr> <tr> <td style="text-align: right;">GND</td><td>■</td><td>P9</td><td></td><td>P6</td><td style="text-align: left;">GND</td></tr> <tr> <td style="text-align: right;">GND</td><td>■</td><td>P10</td><td></td><td>P5</td><td style="text-align: left;">GND</td></tr> <tr> <td style="text-align: right;">1 PPS</td><td>■</td><td>P11</td><td></td><td>P4</td><td style="text-align: left;">BOOT</td></tr> <tr> <td style="text-align: right;">RXA</td><td>■</td><td>P12</td><td></td><td>P3</td><td style="text-align: left;">GPIO7</td></tr> <tr> <td style="text-align: right;">TXA</td><td>■</td><td>P13</td><td></td><td>P2</td><td style="text-align: left;">GPIO3</td></tr> <tr> <td style="text-align: right;">VBAT</td><td>■</td><td>P14</td><td></td><td>P1</td><td style="text-align: left;">VCC</td></tr> </table>	GND	■	P8		P7	GND	GND	■	P9		P6	GND	GND	■	P10		P5	GND	1 PPS	■	P11		P4	BOOT	RXA	■	P12		P3	GPIO7	TXA	■	P13		P2	GPIO3	VBAT	■	P14		P1	VCC	
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Specifications

PHYSICAL CONSTRUCTION		PERFORMANCE	
Dimension	L24.0mm*W14.0mm*H13.0mm	Sensitivity	-159dbm
Weight	<5 gram	Receiver architecture	20 parallel channels
Receiving frequency	1575.42MHZ; C/A code	Start-up time	Hot start <5 sec
Mounting	14-pin stamp holes		Warm start 45 sec
Construction	Full EMI shielding		Cold start 45 sec
ENVIRONMENTAL CONDITIONS		Position accuracy	Autonomous 3.0 m
Temperature	Operating: -30 ~ +85 °C	Velocity	100 m/s (Maximum)
	Storage: -40 ~ +85 °C	Altitude	50 km (Maximum)
COMMUNICATION		Update Rate	1 Hz
Protocol	NMEA0183 V3.00	Power Supply	3.3V +- 5%
Signal level	UART @ 3.3V	Current	Acquisition: 53mA
INTERFACE CAPABILITY		Consumption	Tracking 53mA
Output Sentences	Standard	9600 bps (default) &	
	Option	4800/9600/38400/57600/115200 bps are adjustable	
		Baud Rate	

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