Pin 38-42 is GND, pin 44-50 is VCC 5.2~5.7V,
Pin 33 is RS232 RX, pin 34 is RS232 TX (57600,8N1).
Pin 36 and 37 is UART RX TTL and TX (57600,8N1).
J4 port is 1PPS.
J2 port is antenna of GPS.
J3 port is 10MHz of sine wave.

Pins	Description	Pins	Description
1	GND	2	UART TX TTL High Speed output.
3	GND	4	Function unknown, 4.7K pull down
5	GND	6	Function unknown, 4.7K pull down
7	GND	8	Master/Slave card, 4.7K resistor to 3.3V for slave. Pull down for master card
9	GND	10	Reset pin, reset low
11	GND	12	Manual activation of MACT, pull down
13	Function unknown, 4.7K pull down	14	Function unknown, 0V When not locked, 3.3v for locking and holding mixes
15	Unknown, but Something about log when pulled up	16	Function unknown, 0V?
17	GND	18	NC
19	NC	20	GND
21	Function unknown, 0V unlocked, 3.3v locked	22	GND
23	10 M ??	24	GND
25	Function unknown	26	GND
27	Function unknown	28	GND
29	Function unknown, 0V When not locked, 3.3v for locking and holding mixes	30	GND
31	Function unknown, 0V for locking and mixing, 3.3V for unlocking.	32	GND
33	RS232 RX, 57600 8N1	34	RS232 TX, 57600 8N1
35	GND	36	UART RX TTL, 57600 8N1
37	UART TX TTL, 57600 8N1	38	GND for supply
39	GPS_REF is active, the ground short can be locked directly after warming up, no need to configure it with console commands.	40	GND for supply
41	GND	42	GND for supply
43	NC	44	VCC 5.5V ±0.2V †
45	VCC 5.5V ±0.2V †	46	VCC 5.5V ±0.2V †
47	VCC 5.5V ±0.2V †	48	VCC 5.5V ±0.2V †
49	VCC 5.5V ±0.2V †	50	VCC 5.5V ±0.2V †

†VCC 5.5V ±0.2V, otherwise it will cause a power alarm and the ALM will turn red.

引脚	功能
1	GND
2	UART TX TTL，高速输出。
3	GND
4	功能未知，经4.7K电阻对地。
5	GND
6	功能未知，经4.7K电阻对地。
7	GND
8	主从卡选择，经4.7K电阻对+3.3V。对地短接选择主卡。
9	GND
10	复位引脚，对地短接复位。
11	GND
12	手动激活MACT，对地短接激活。
13	功能未知，经4.6K电阻对地。
14	功能未知，未锁定时0V，锁定和保持时3.3V。
15	功能未知，经4.7K电阻对+3.3V。对地短接看日志像是打开功能打开。
16	功能未知，0V。
17	GND
18	NC
19	NC
20	GND
21	功能未知，未锁定时0V，锁定时3.3V。
22	GND
23	10M输出，经缓冲器输出。未锁定时也输出。
24	GND
25	功能未知
26	GND
27	功能未知
28	GND
29	功能未知，未锁定时0V，锁定和保持时3.3V。
30	GND
31	功能未知，未锁定时3.3V，锁定和保持时0V。
32	GND
33	RS232串口 RX 直接接电脑COM口进行联机，波特率57600 8N1，用HELP或？查看控制台命令。
34	RS232串口 TX 直接接电脑COM口进行联机，波特率57600 8N1
35	GND
36	UART RX TTL，波特率57600 8N1，命令未知。
37	UART TX TTL，波特率57600 8N1，经TTL转COM板到电脑联机直接输出，格式等同于33脚TOD EN命令的输出。
38	GND
39	GPS_REF激活，对地短接预热后可以直接进行锁定，不必用控制台命令配置了。
40	GND 电源地。
41	GND 电源地。
42	GND 电源地。
43	NC
44	VCC 5.5V±0.2V，否则引起电源警告，ALM亮红灯。
45	VCC 5.5V±0.2V，否则引起电源警告，ALM亮红灯。
46	VCC 5.5V±0.2V，否则引起电源警告，ALM亮红灯。
47	VCC 5.5V±0.2V，否则引起电源警告，ALM亮红灯。
48	VCC 5.5V±0.2V，否则引起电源警告，ALM亮红灯。
49	VCC 5.5V±0.2V，否则引起电源警告，ALM亮红灯。
50	VCC 5.5V±0.2V，否则引起电源警告，ALM亮红灯。
	注意软排板正反面丝印不对应的 39脚一定要接地才能锁定也就是38-42全部连起来当电源地使用
	J4=1PPS J2天线 J3=10MHZ 需要锁定后才能输出正弦波 23脚软排处输出10MHZ 方波

pin 2 UART TX TTL, 高速输出.

→ UART TX TTL, high speed output.

pin 4 功能未知, 经 4.7K 电阻对地

→ Function unknown, via 4.7K resistor to ground

pin 6 功能未知, 经 4.7K 电阻对地

→ Function unknown, via 4.7K resistor to ground

pin 8 主从卡选, 经 4.7K 电阻对 3.3V. 对地短接选择主卡

→ Master/Slave card, 4.7K resistor to 3.3V for slave. Pull down for master card

pin 10 复位引脚, 对地短接复位.

→ Reset pin, reset low.

pin 12 手动激活 MACT, 对地短接徽活

→ Manual activation of MACT, short to ground

pin 13 功能未知, 经 4.6K 电阻对地

→ Function unknown, 4.6K resistor to ground

pin 14 功能未知, 未锁定时 0V, 锁定和保拌时 3.3v

→ Function unknown, 0V When not locked, 3.3v for locking and holding mixes

pin 15 功能未知, 经 4.7K 电阻对 3.3V. 对地短接后看日志[?]是打开功[?]打开

→ The function is unknown, but the function of 3.3V with 4.7K resistors. shorted to ground and then read the log[?] Is open power [?] Turn on

pin 16 功能未知, 0V

→ Function unknown, 0V

pin 21 功能未知, 未锁定时 0V, 锁定时 3.3v

→ Function unknown, 0V when unlocked, 3.3v when locked

pin 23 10M 输出, 经[?]冲器输出. 未锁定时也输.

→ 10M output, via [?] Punch out. Even when unlocked.

Pin 25 功能未知.

→ Function unknown

Pin 27 功能未知.

→ Function unknown

Pin 29 功能未知, 未锁定时 0V, 锁定和保拌时 3.3v

→ Function unknown, 0V When not locked, 3.3v for locking and holding mixes

Pin 31 功能未知, 锁定和保拌时 0V, 未锁定时 3.3v

→ Function unknown, 0V for locking and mixing, 3.3V for unlocking.

Pin 33 RS232 串口 RX 直接接电脑 COM 口进行联机, 波特率 57600 8N1, 用 HELP 或? 查看控制台命令.

→ RS232 serial RX directly connects to computer COM ports for on-line, baud rate 57600 8N1, use HELP or? View console command with HELP or ?

Pin 34 RS232 串口 TX 直接接电脑 COM 口进行联机, 波特率 57600 8N1,

→ RS232 serial TX directly connects to computer COM enclosure for on-line, baud rate 57600 8N1.

Pin 36 UART RX TTL, 波特率 57600 8N1, 命令未知.

→ UART RX TTL, baud rate 57600 8N1, command unknown.

Pin 37 UART TX TTL, 波特率 57600 8N1, 经 TTL 转 COM 板到电脑联机直接输出, 格式等同于 33 脚 TOD EN 命令的输出.

→ UART TX TTL, baud rate 57600 8N1, direct output via TTL to COM, formatted as output from pin 33 TOD EN.

Pin 39 GPS_REF 激活, 对地短接预热后可以直接进行锁定, 不必用控制台命令配置了.

→ GPS_REF is active, the ground short can be locked directly after warming up, no need to configure it with console commands.

Pin 40, 41, 42
GND 电源地.
  → GND Power Ground

Pin 44, 45, 46, 47, 48, 49, 50
VCC 5.5V ±0.2V, 否则引起电源瞥告, ALM 亮红灯.
  → VCC 5.5V ±0.2V, otherwise it will cause a power alarm and the ALM will turn red.