70mA

VCC In

C5
22µ

MIC5501 3.0V

IN   OUT
VR1
Enable   NC
Gnd

C1
1µ

C2
1µ

1   2

5   6   7   8

| 1 |
| 2 |
| 3 |
| 4 |
| 5 |
| 6 |
| 7 |
| 8 |
| 9 |
| 10 |

J3
IDC10

DTR TXO RXI VCC GND GND

TXO   RAW
RXI   GND
RST   RST
GND   VCC

IC2

Arduino Pro Mini
8MHz 3,3V

2   A3
3   A2
4   A1
5   A0
6   13
7   12
8   11
9   10

A7 A6 A5 A4

Backup Batt.

CR2032

IC1
NEO-6M

22 23
V_Back VCC

RF_In   11

J1 GPS Antenna Input
50 Ohm

L1
27nH

R5
10

20 TXD
21 RXD

R4 10k

5   USB_DM
6   USB_DP
7   VDDUSB

EXT_Int   4

18 SDA
19 SCL

TIMEPULSE   3

Reserved   8
VCC_RF   9

2   SS
14 MOSI
15 MISO
16 SCK

Reserved   17
Reserved   1

GND
10 12 13 24

J2 GPS derived RF Out
50 Ohm

Indicator, Yellow   Power, Green

D2   D1

R1
1k

R2
2k

IDC Pin-out	
1	VCC In + 3.1 to 5V
2	VCC In + 3.1 to 5V
3	GND
4	GND
5	Serial TX Out
6	Serial RX In
7	I2C Clock
8	I2C Data
9	GPS Lock Out
10	RF Out

Prod Version	Revision	Revision date
	2	2017-12-05
Prod Name		
GPS derived RF generator		