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INFORMATION DOCUMENT FOR TYPE-APPROVAL OF AN ELECTRIC/ELECTRONIC SUB-
ASSEMBLY WITH RESPECT TO ELECTROMAGNETIC COMPATIBILITY ACCORDING
ANNEX 2B OF ECE-R10

- | | | |
|---|--|---|
| 1 | Make (trade name of the manufacturer) | : Coligen |
| 2 | Type and general commercial description(s) | : TXL88R07 |
| | - commercial description(s) | : Parking sensor |
| | - version(s) | : Version 1: TXL88R07- RF001DTX (915MHZ) |
| 3 | Name and address of the manufacturer | : Coligen Corp.
No. 1 bldg. ,Guantang Ind. Park,
Jingding Zhuhai, Guangdong Province,
P.R. China |
| 4 | In the case of components and separate technical units, location and method of affixing of the approval mark | : label affixed to the housing |
| 5 | Address(es) of assembly plant(s) | : Coligen Corp.
No. 1 bldg. ,Guantang Ind. Park,
Jingding Zhuhai, Guangdong Province,
P.R. China |
| 6 | This ESA shall be approved as a | : component |
| 7 | Any restrictions of use and conditions for fitting | : no restrictions |

Additional information

Electrical system rated voltage : DC5V, negative ground

This ESA can be used on any vehicle type : no restrictions
with the following restrictions

Installation conditions : connected to battery and/or reversing lamp circuit

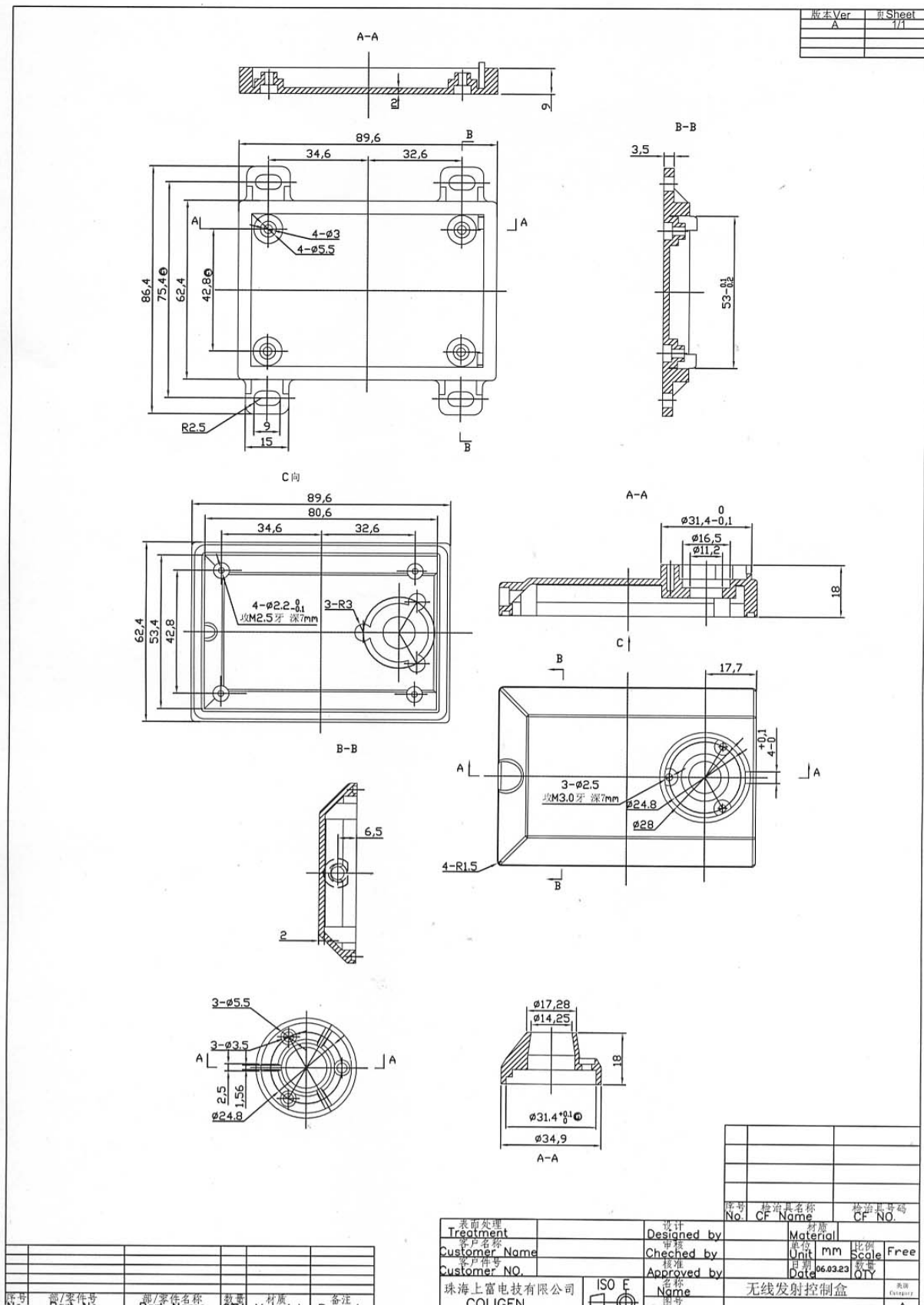
This ESA can be used on the following : not applicable
vehicle types

Installation conditions : ---

The specific test method(s) used and the : not applicable
frequency ranges covered to determine
immunity were

frequency range : ---

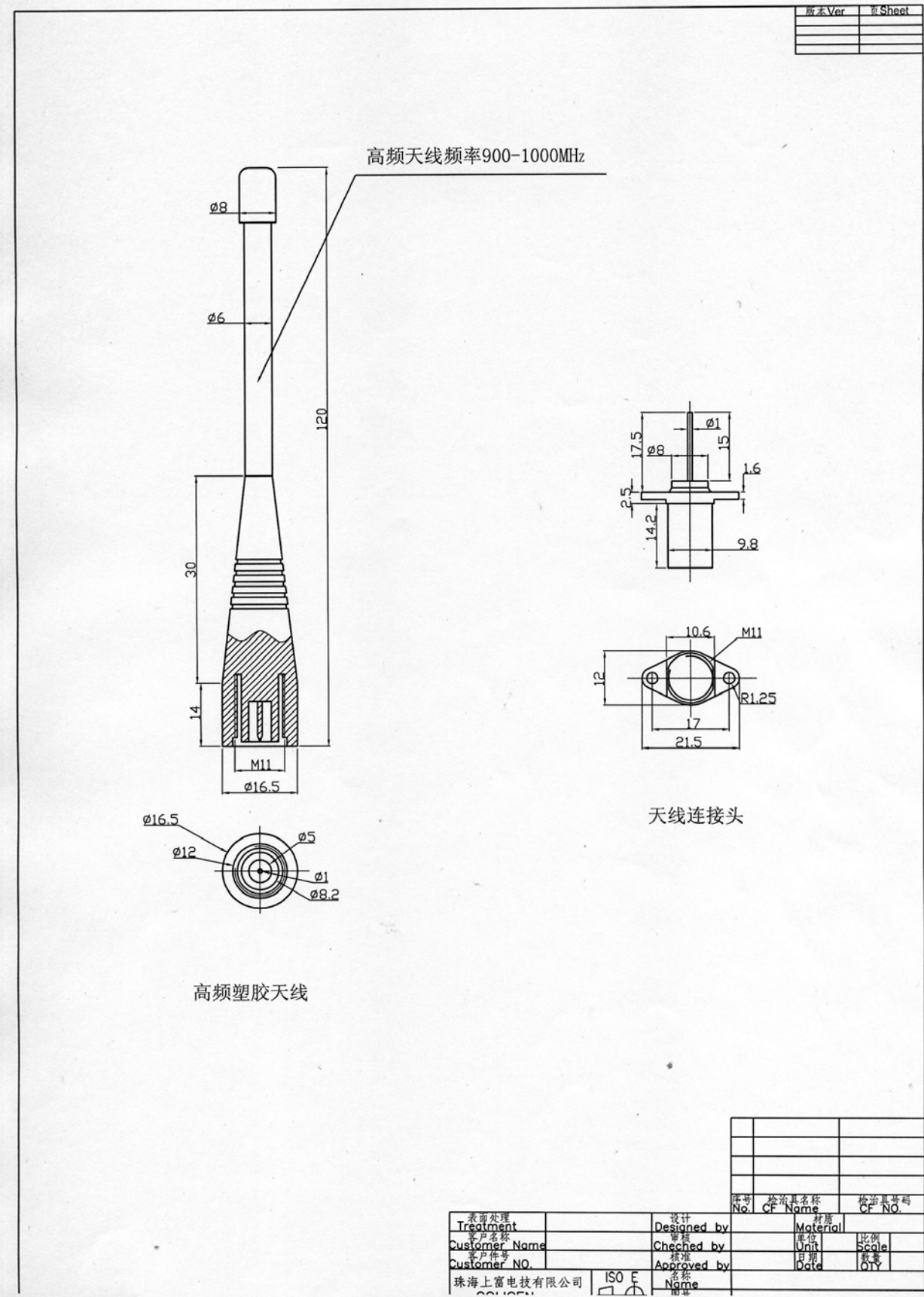
Remark : rating current: 50mA



DRW.

RF001DTX-01

Dimension drawing



The FCC Label for RF001DTX

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and**
- (2) this device must accept any interference received, including interference that may cause undesired operation.**

FCC ID: TFKRF001DTX



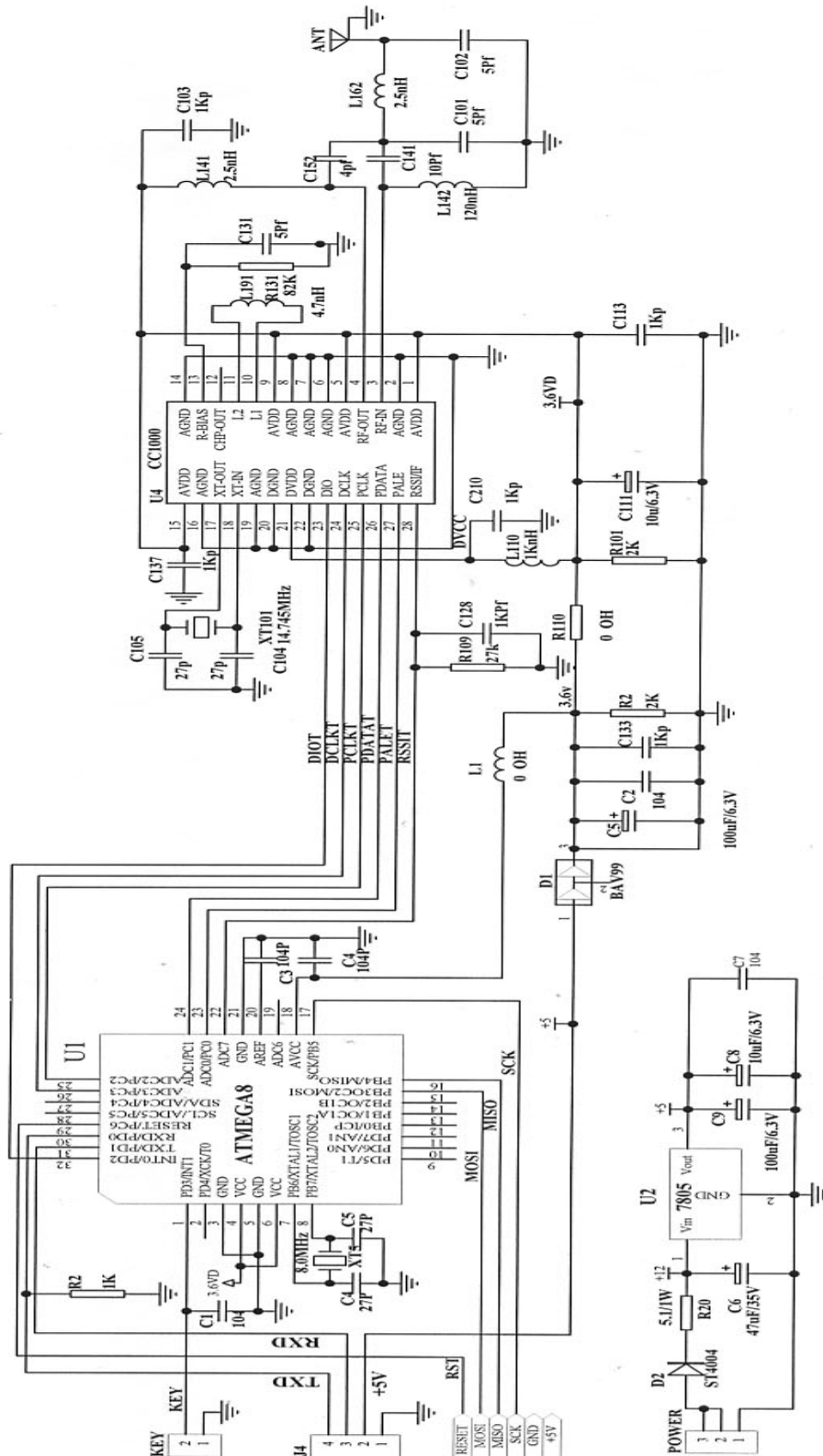
For RF001DTX

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RF001DTX-03

Rating label drawing

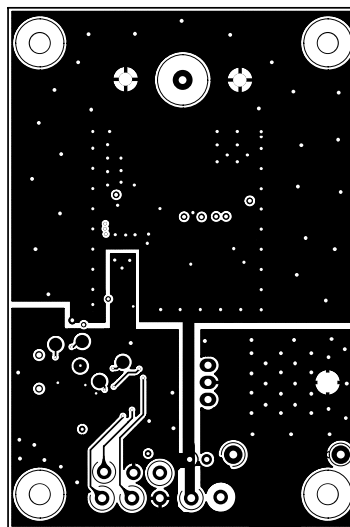
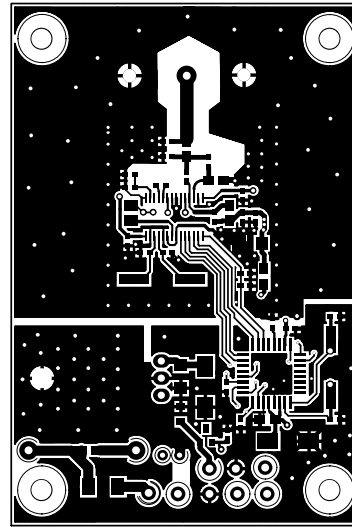
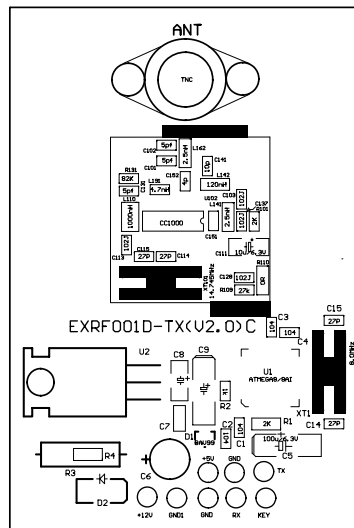
EXRF001D-TX



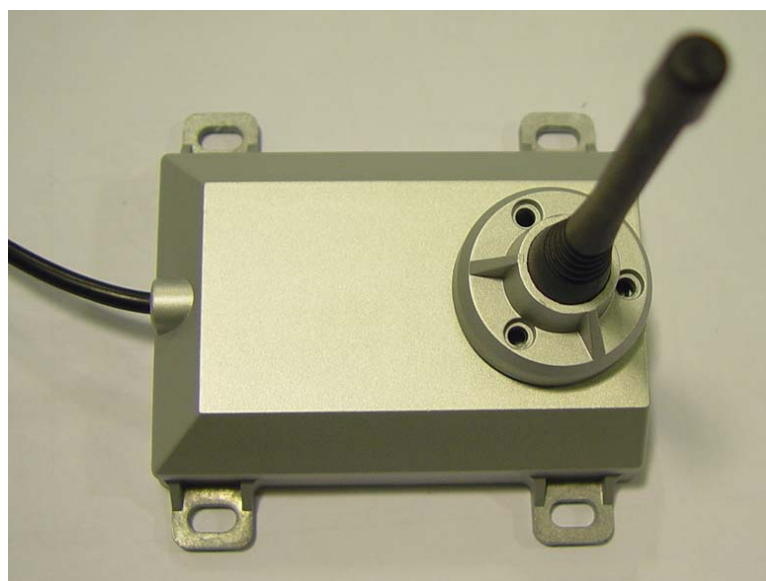
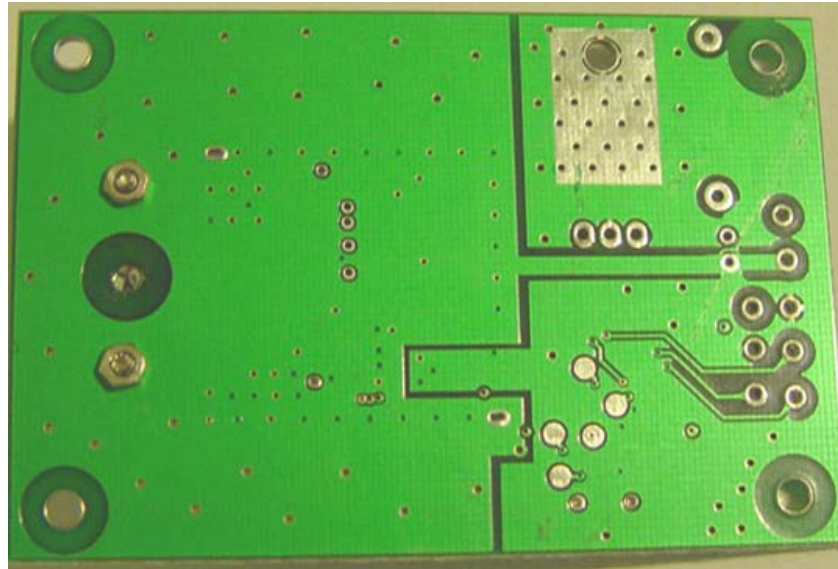
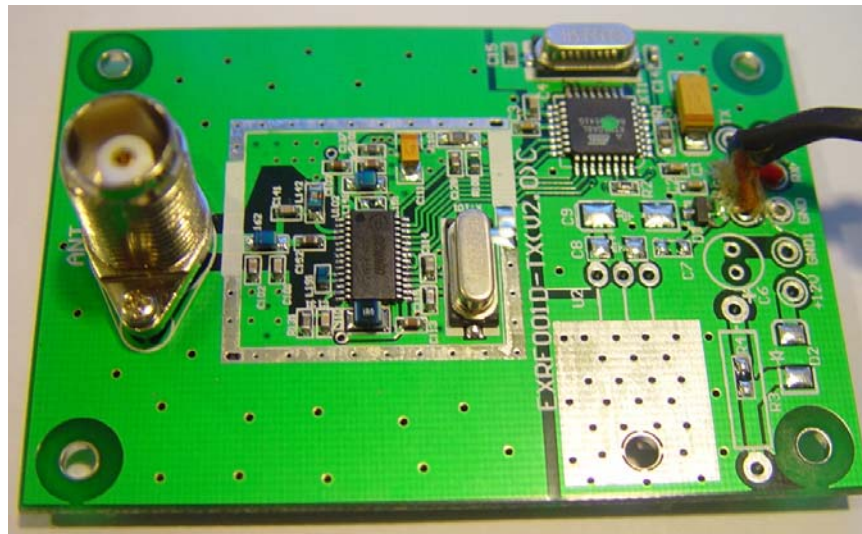
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RF001DTX-04

Circuit Diagram



PCB Layout



Product Photo

Bill of materials

P/NO.	DESCRIPTION	QTY.	Remark
CC1000	Integrated circuit	1	U102
ATMEGA8L-8AI	Integrated circuit	1	U1
14.745MHZ	Crystal	1	XT101
8.000MHZ	Crystal	1	XT1
EXRF001D-TX	PCB	1	
10UF/6.3V	Tery Capacitor	1	C111
100UF/6.3V	Tery Capacitor	1	C5
BAV99	Double Diode	1	D1
27P	Ceramic Capacitor	4	C14,C15,C114,C115
102P	Ceramic Capacitor	5	C103,C113, C128,C132, C210
104J	Ceramic Capacitor	4	C1,C2,C3,C4
10P	Ceramic Capacitor	1	C141
5P	Ceramic Capacitor	3	C101,C102,C131
4P	Ceramic Capacitor	1	C152
0Ω	Resistor	1	R110
1K	Resistor	1	R2
2K	Resistor	2	R101,R1
27K	Resistor	1	R109
82K	Resistor	1	R131
120N	Inductor	1	L142
4.7N	Inductor	1	L191
1000N	Inductor	1	L210
2.5N	Inductor	2	L162,L141
PM2*8	PM2*8	2	
M2	M2	2	
DPCL-0015-4811	Power wire	1	+5,GND,RX
98-3 gumwater	Omnipotent gumwater	1	ANT
502 gumwater	gumwater	1	ANT
Dedicated ANT	RF ANT	1	ANT