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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 –RFDP8807 (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 : DC12V, 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

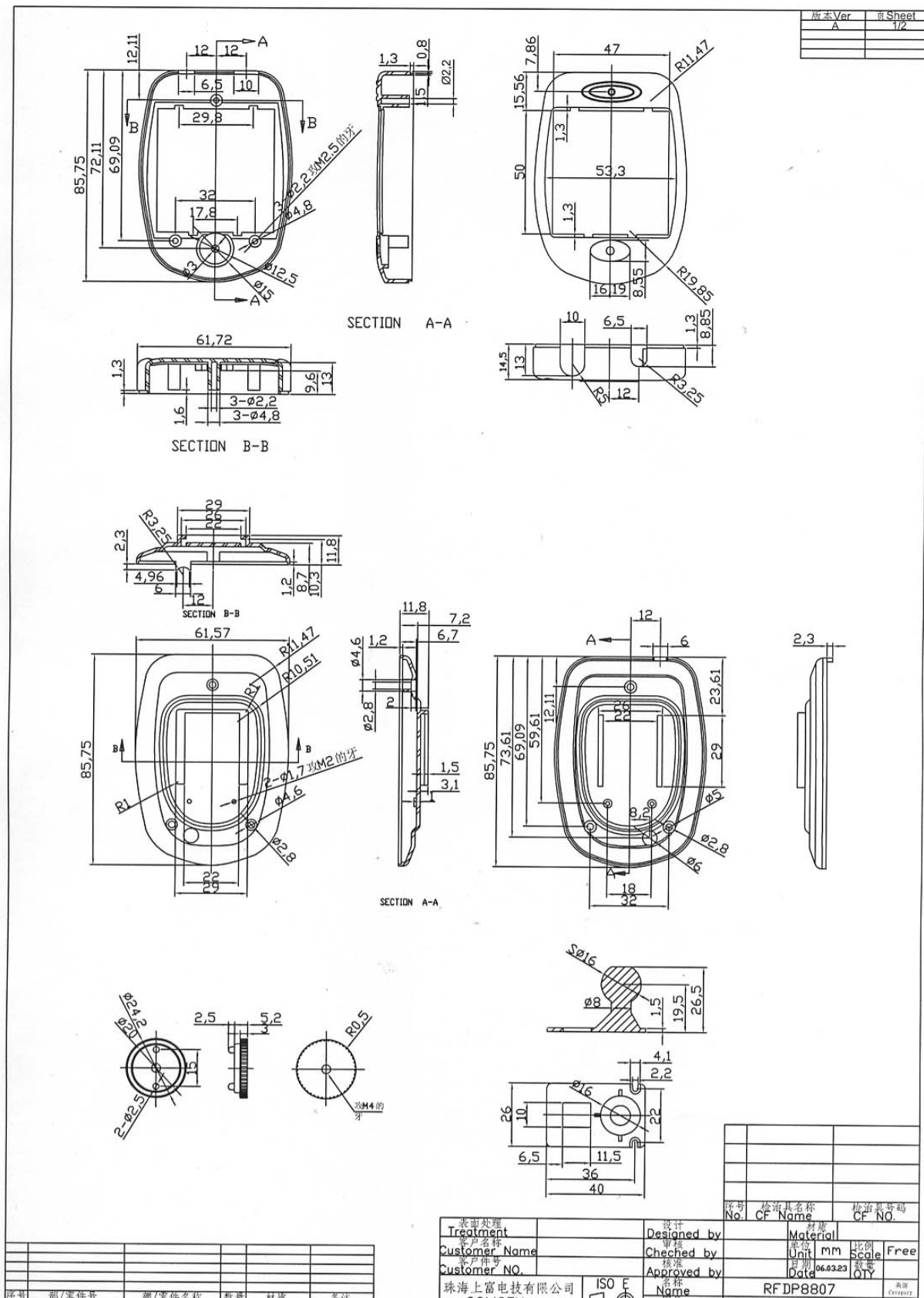
This ESA can be used on the following : not applicable
vehicle types

Installation conditions : ---

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

frequency range : ---

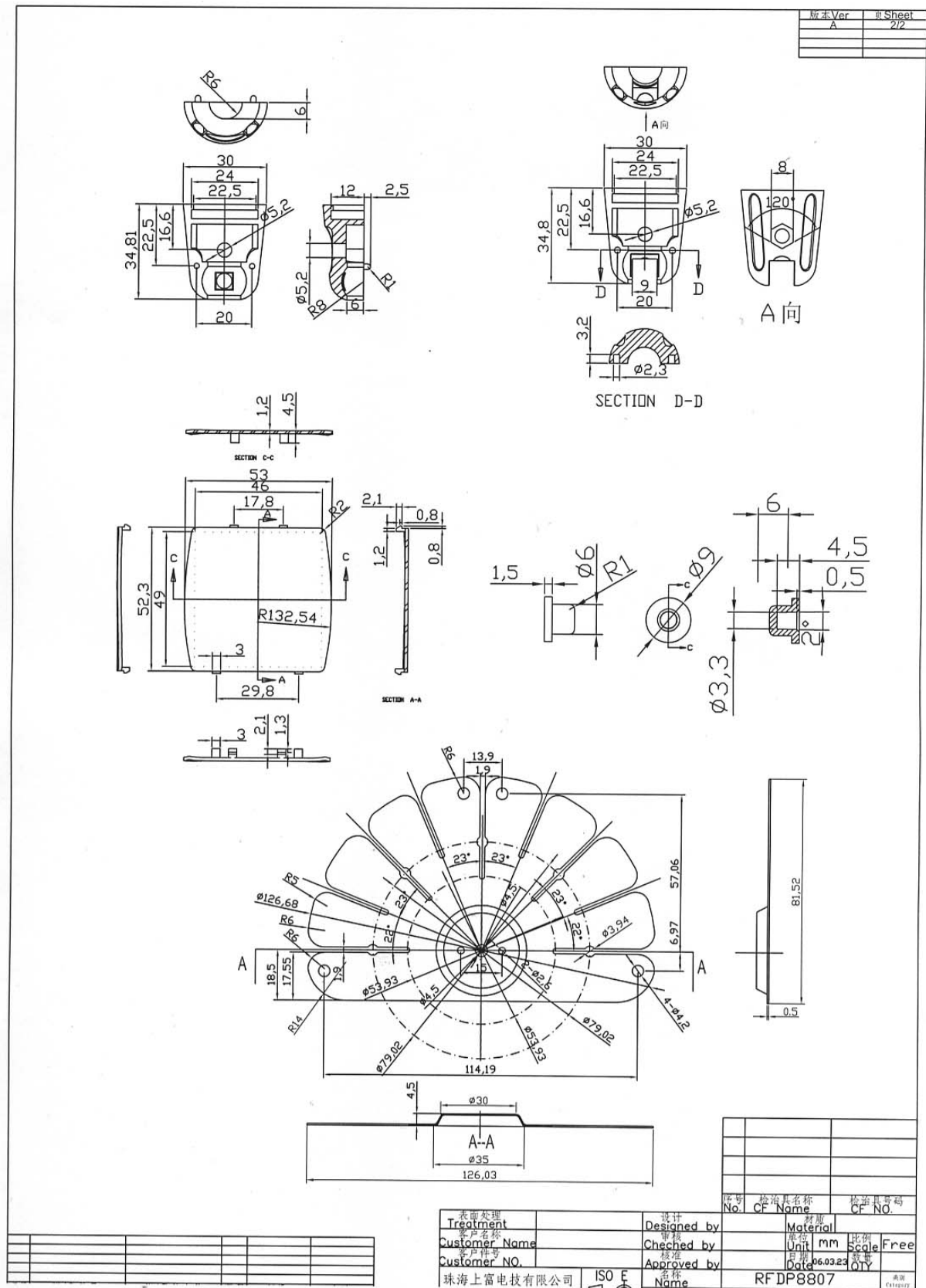
Remark : rating current: 150mA



DRW.

RFDP8807-01

Dimension drawing



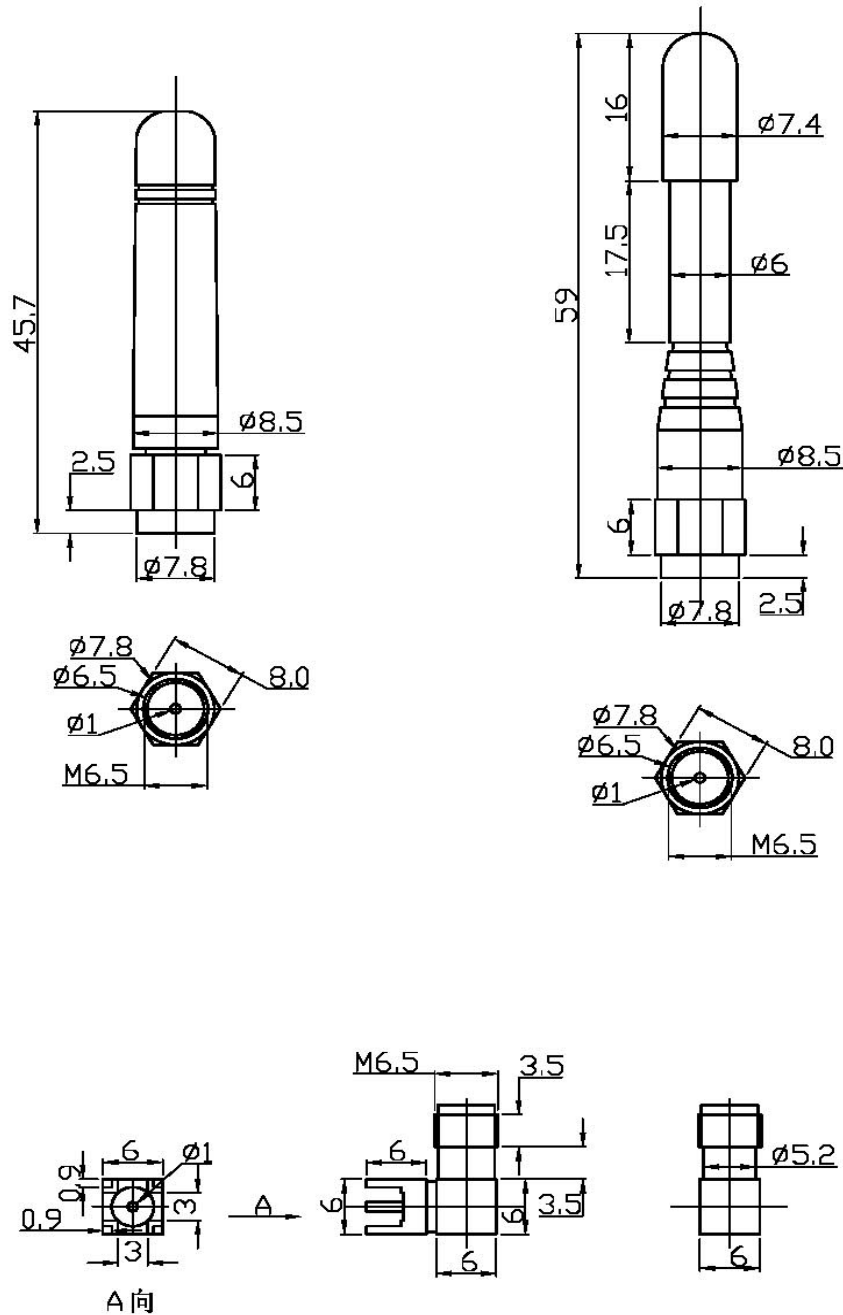
DRW.

RFDP8807-02

Dimension Drawing

Type: RFDP8807

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Rev	Sheet

客户名称	客户名称	客户名称	客户名称
Customer Name	Customer Name	Customer Name	Customer Name
Customer NO.	Customer NO.	Customer NO.	Customer NO.
珠海上富电技术有限公司	COLIGEN	ISO 9001	ANT
设计	Checked by	Material	Scale
批准	Approved by	Unit	Scale
名称	名称	日期	日期
DWG NO.	DWG NO.	SMA-NJ	SMA-NJ

DRW.

RFDP8807-03

Dimension drawing

The FCC Label for RFDP8807

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: TFKRFDP8807

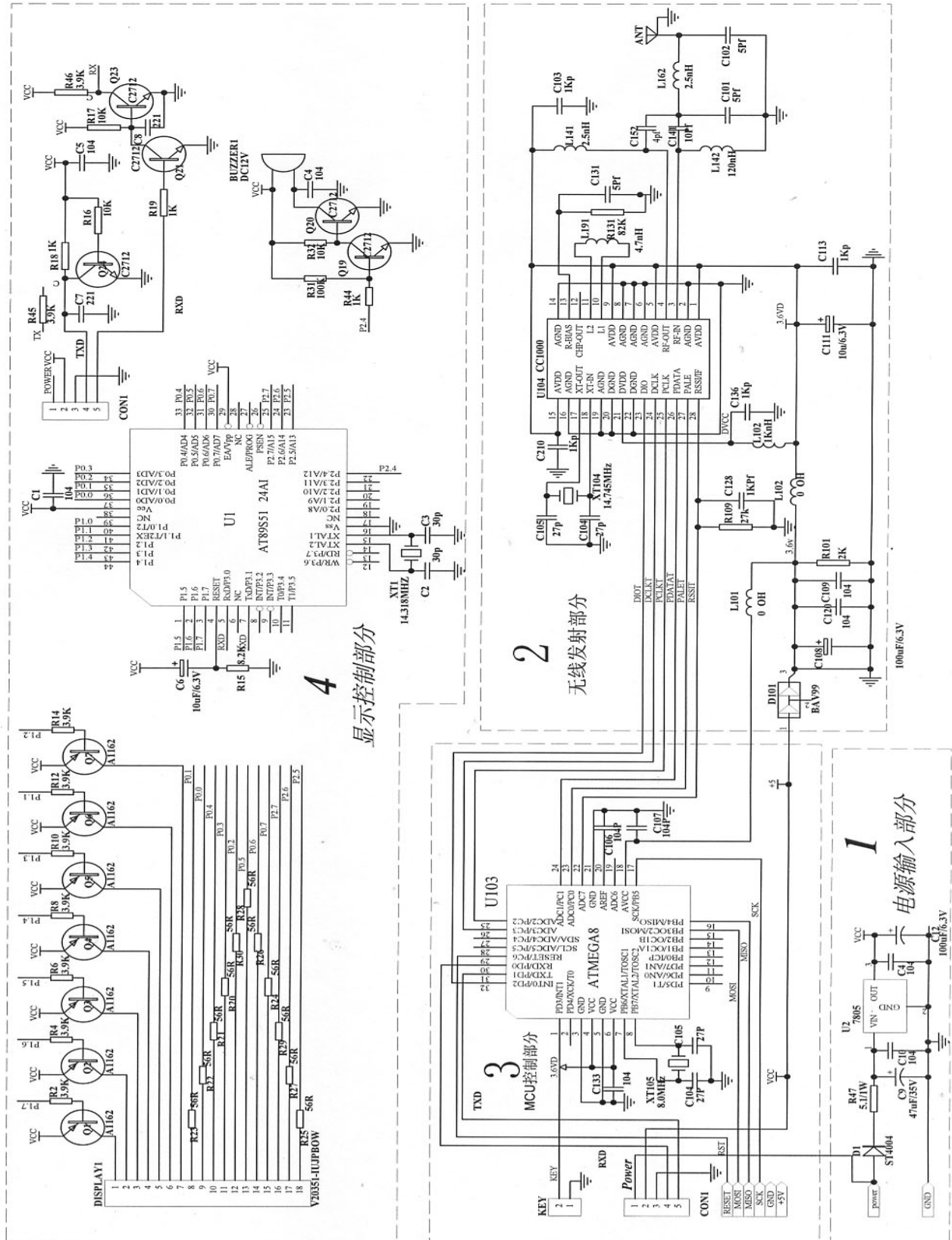


For RFDP8807

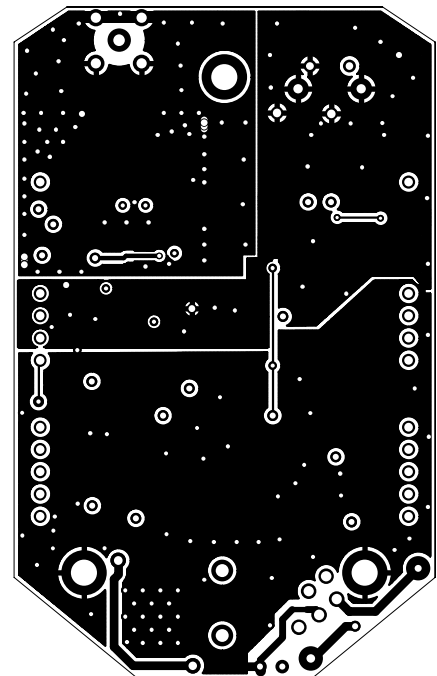
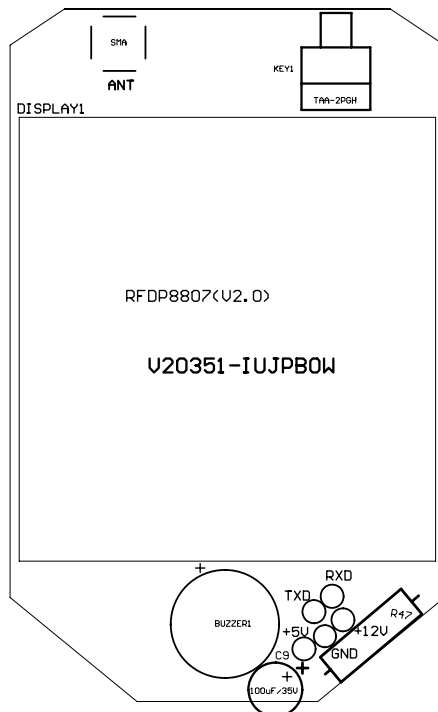
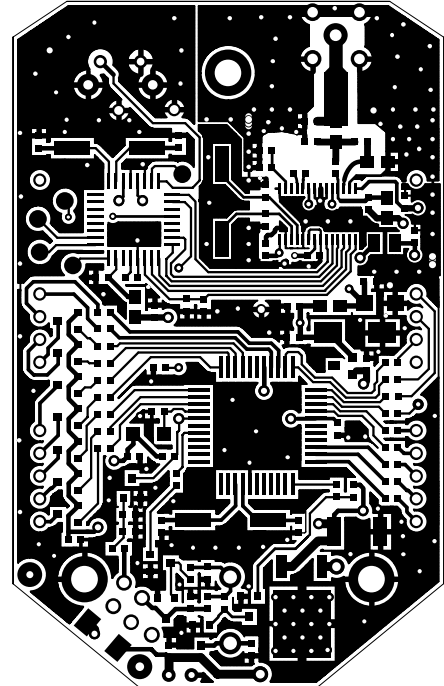
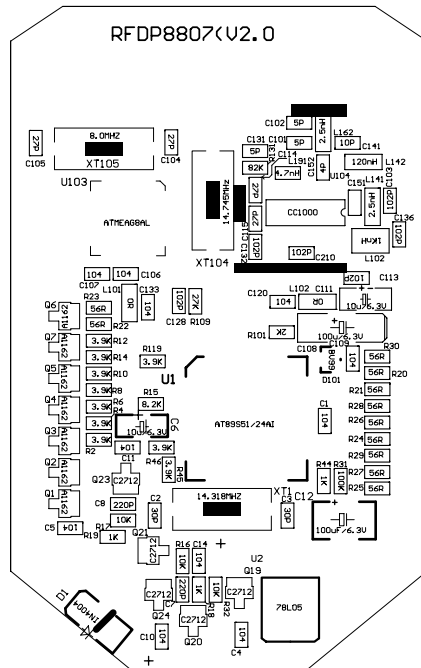
DRW.

RFDP8807-04

Rating label drawing



Circuit Diagram



PCB Layout

Bill of materials

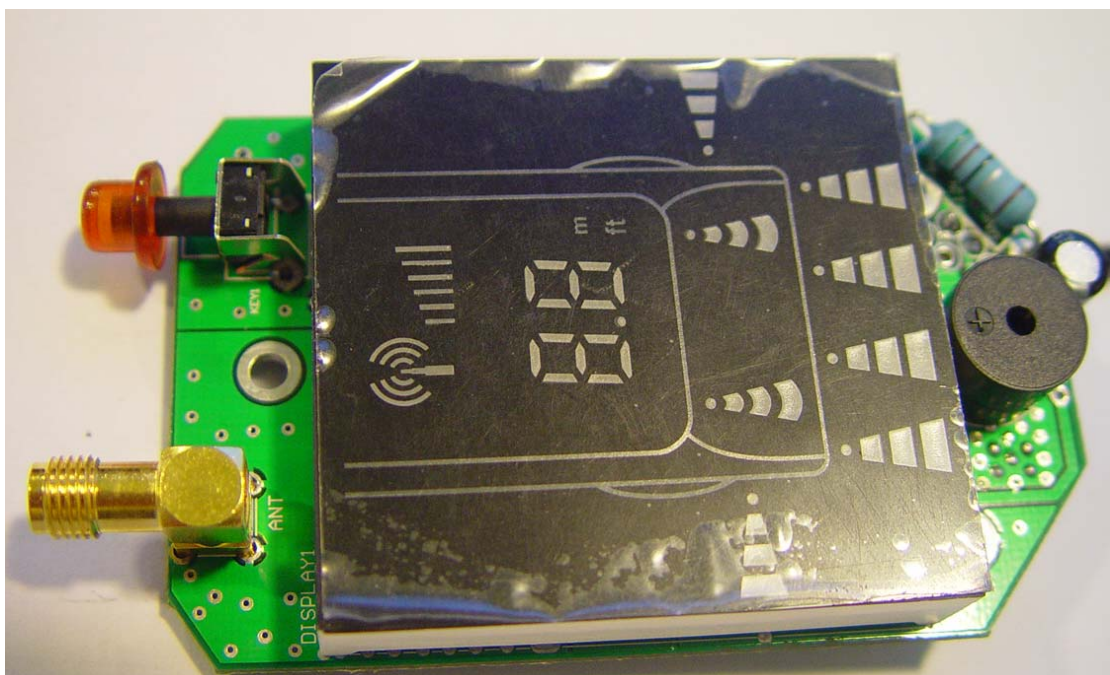
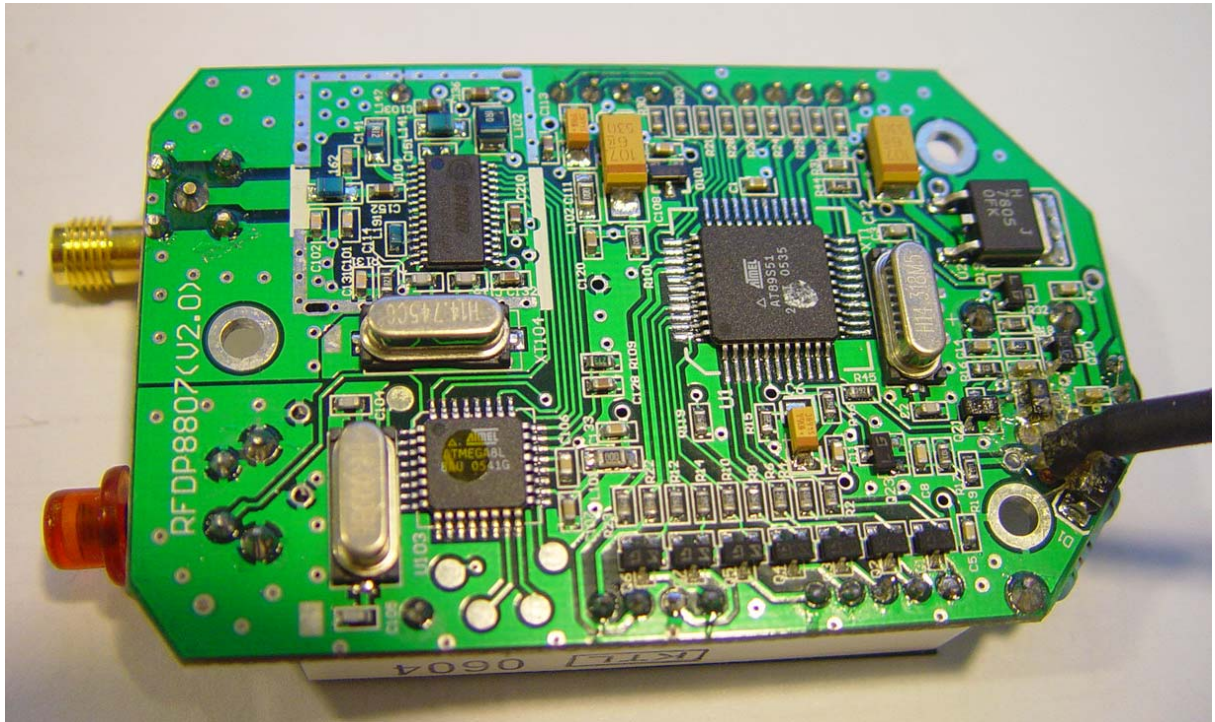
P/NO.	DESCRIPTION	QTY.	Remark
CC1000	Integrated circuit	1	U104
AT89S51/24AI	Integrated circuit	1	U1
ATMEGA8L-8AI	Integrated circuit	1	U103
14.745MHZ	Crystal	1	XT104
8.000MHZ	Crystal	1	XT105
14.318MHZ	Crystal	1	XT1
IC7805	Regulator	1	U2
RFDP8807	PCB	1	
TR SC2712	Transistor	5	Q19,Q20,Q21,Q23,Q24
TR SA1162	Transistor	7	Q1,Q2,Q3,Q4,Q5,Q6,Q7
V20351-IUJPBOW	Display	1	DISPLAY1
10UF/6.3V	Tery Capacitor	2	C6,C111
100UF/6.3V	Tery Capacitor	2	C12,C108
BAV99	Double Diode	1	D101
ST4004	Diode	1	D1
47UF/35V	Electrolytic Capacitor	1	C9
30P	Ceramic Capacitor	2	C2,C3
27P	Ceramic Capacitor	4	C104,C105,C114,C115
102P	Ceramic Capacitor	6	C103,C113, C128,C132,C136,C210
220P	Ceramic Capacitor	2	C7,C8
104P	Ceramic Capacitor	11	C1,C4,C5,C10,C11,C14,C106,C107,C109, C120, C133
10P	Ceramic Capacitor	1	C141
5P	Ceramic Capacitor	3	C101,C102,C131
4P	Ceramic Capacitor	1	C152
0Ω	Resistor	2	L101,L102
56Ω	Resistor	11	R20,R21,R22,R23,R24,R25,R26,R27, R28,R29,R30
5.1Ω/1W	Resistor	1	R47
1K	Resistor	3	R18,R19,R44
2K	Resistor	1	R101
3.9K	Resistor	10	R2,R4,R6,R8,R10,R12,R14,R45,R46, R119
8.2K	Resistor	1	R15
10K	Resistor	3	R16,R17,R32
27K	Resistor	1	R109
82K	Resistor	1	R131
100K	Resisto	1	R31
120N	Inductor	1	L142
4.7N	Inductor	1	L191
1000N	Inductor	1	L102

Last saved by userColigen Corp.

Information folder No. Coligen-TXL88R07

Issuing date: April 6 2006

2.5N	Inductor	2	L162,L141
12V BUZZER	BUZZER	1	BUZZER1
TAA-2PGH1135-130	SWITCH	1	KEY1
LINE100034	Power wire	1	+12V,GND
98-3 gumwater	Omnipotent gumwater	1	AN
502 gumwater	gumwater	1	ANT
Dedicated ANT	RF ANT	1	ANT



Product Photo



Product Photo