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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) | : fWO48R52 |
| | - commercial description(s) | : Parking sensor |
| | - version(s) | : Version 1: fWO48 R52 –RFDP4852 (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

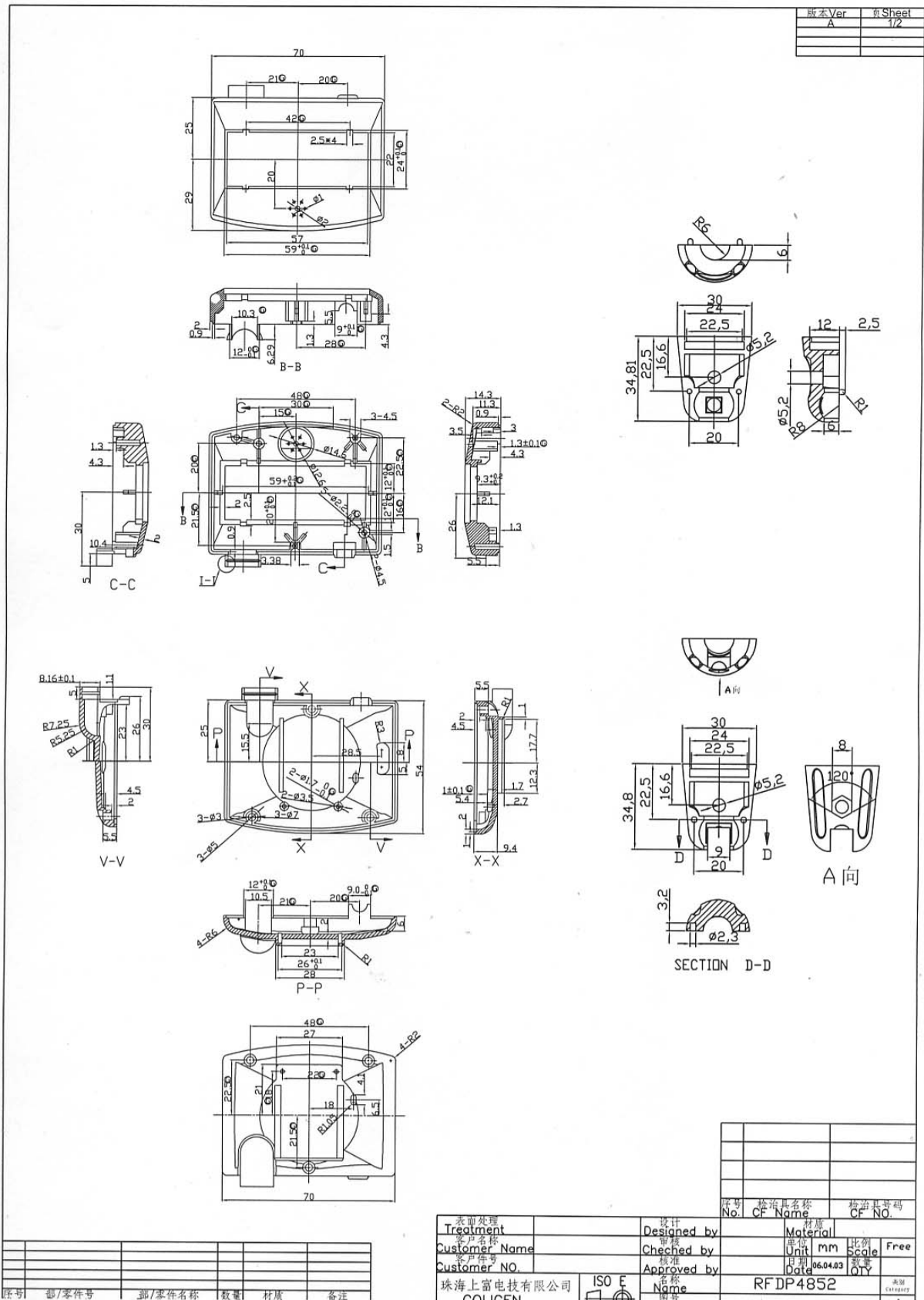
This ESA can be used on the following : not applicable
vehicle types

Installation conditions : ---

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

frequency range : ---

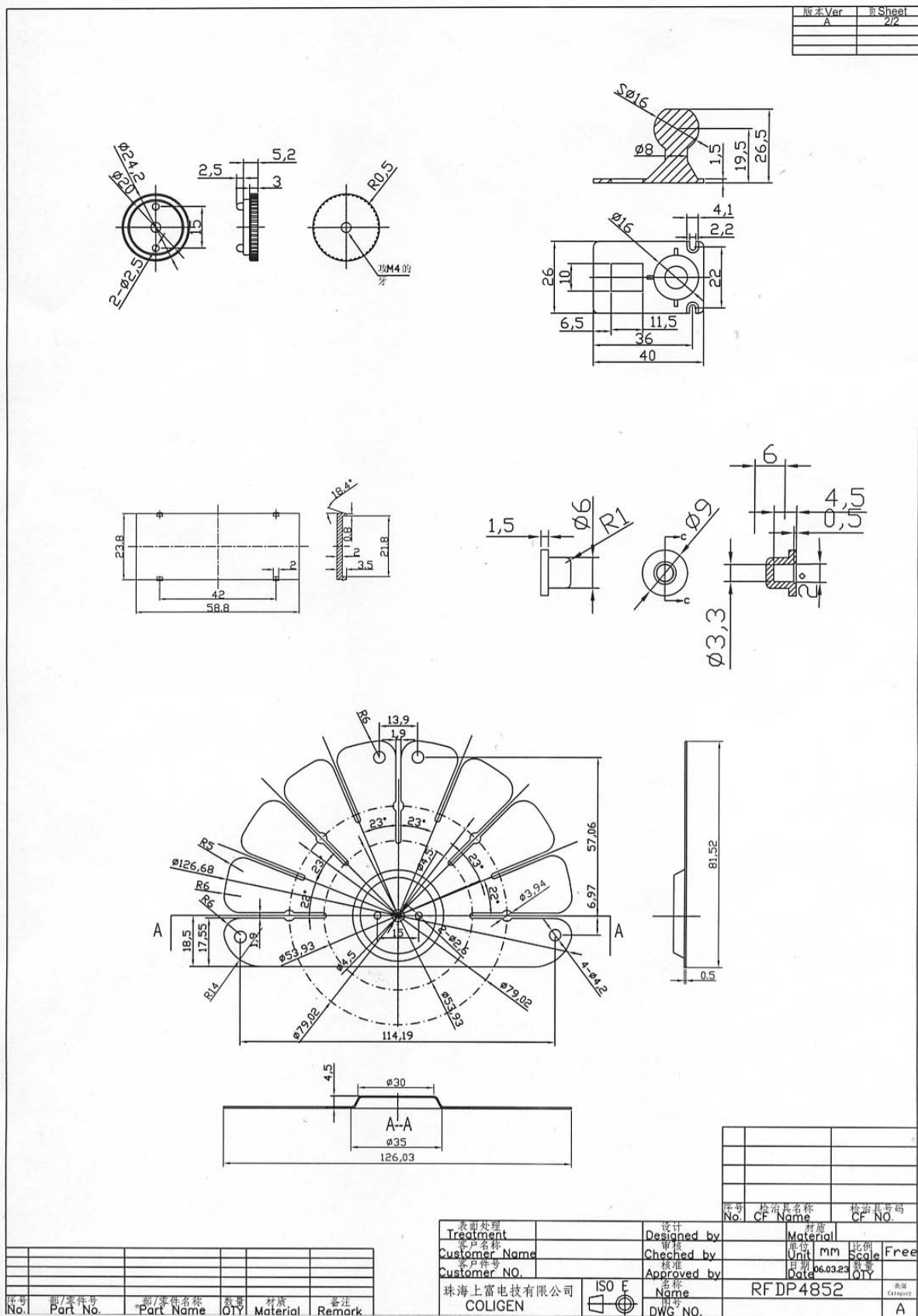
Remark : rating current: 150mA



DRW.

RFDP4852-01

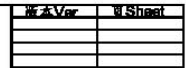
Dimension drawing



DRW.

RFDP4852-02

Dimension drawing



客户处理 Treatment		设计 Designed by		No.1 of Name		C- NO.	
客户名称 Customer Name		审核 Checked by		Material		比例 Scale	
客户件号 Customer NO.		批准 Approved by		Unit mm		比例 Scale	
				Date		Date	
珠海上富电技术有限公司 COLIGEN		ISO E Name DWG NO.		ANT SMA-NJ			

Dimension drawing

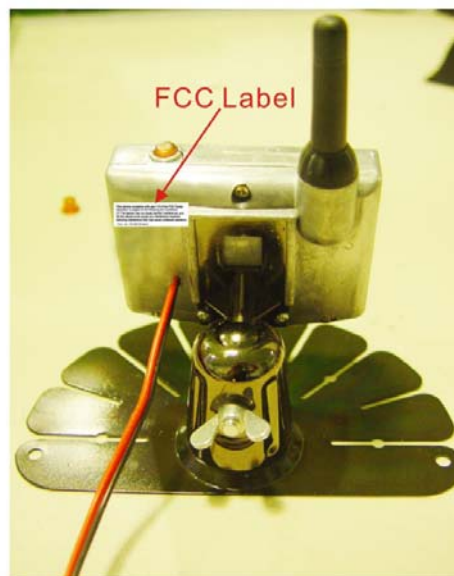
The FCC Label for RFDP4852

This device complies with part 15 of the FCC Rules.

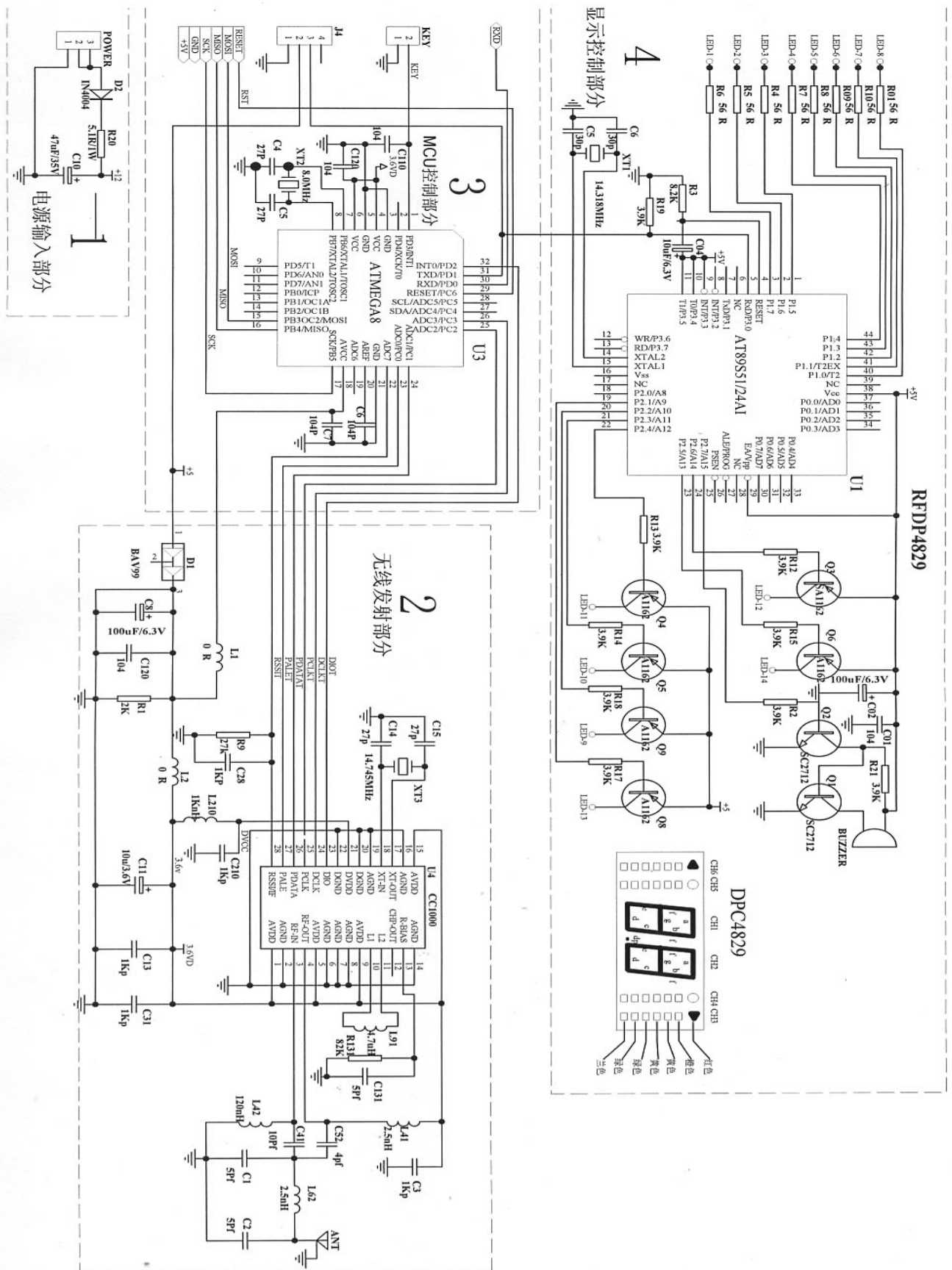
Operation is subject to the following two conditions:

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

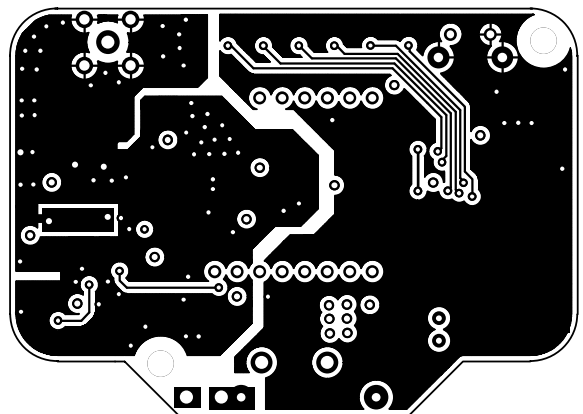
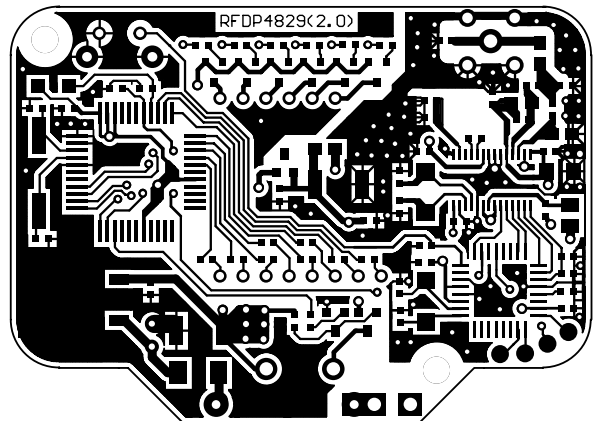
FCC ID: TFKRFDP4852



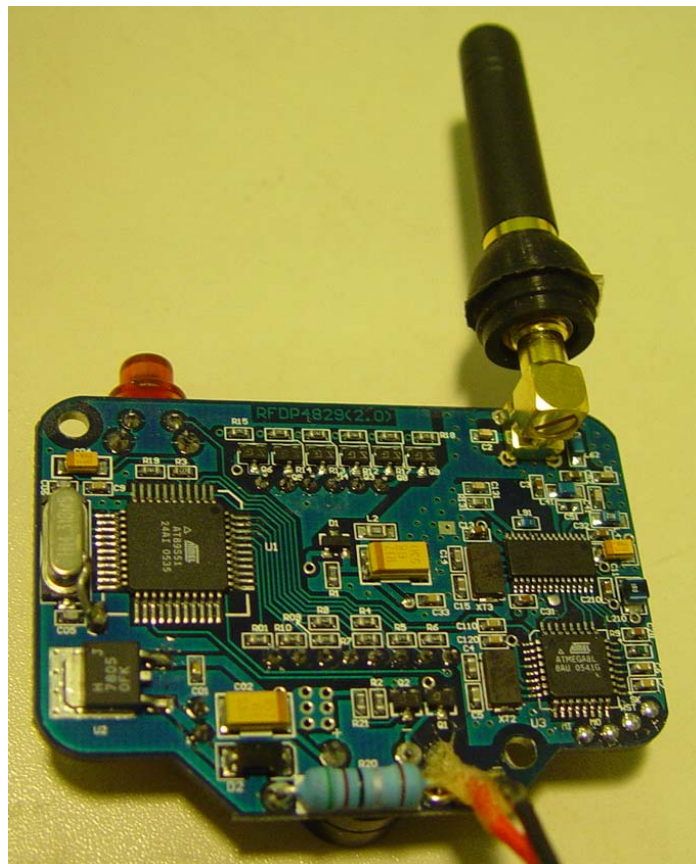
For RFDP4852



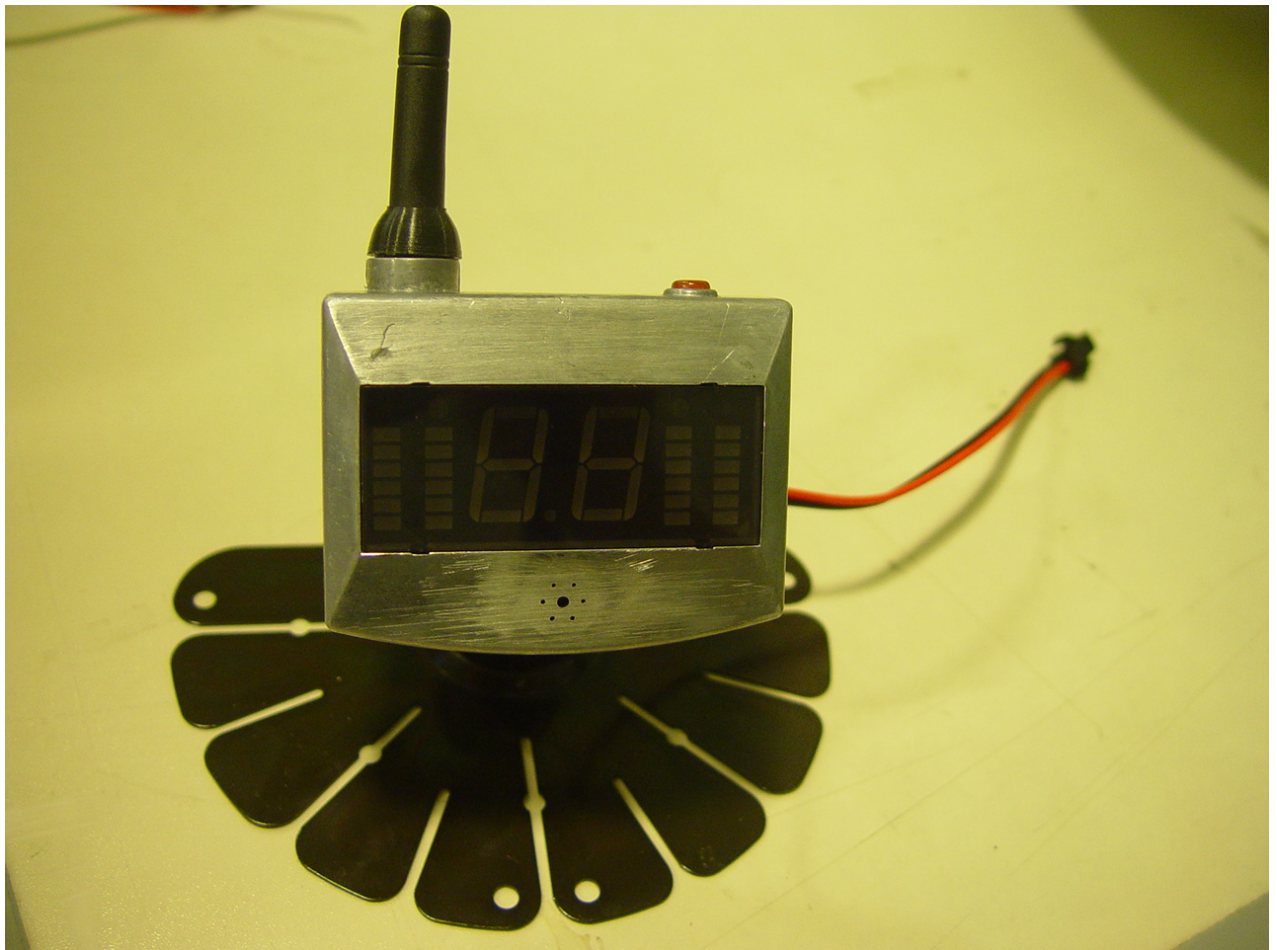
Circuit Diagram



Type: RFDP4852
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Product Photo



Product Photo

Bill of materials

P/NO.	DESCRIPTION	QTY.	Remark
CC1000	Integrated circuit	1	U4
AT89S51/24AI	Integrated circuit	1	U1
ATMEGA8L-8AI	Integrated circuit	1	U3
14.745MHZ	Crystal	1	XT3
8.000MHZ	Crystal	1	XT2
14.318MHZ	Crystal	1	XT1
IC7805	Regulator	1	U2
RFDP4829	PCB	1	
TR SC2712	Transistor	2	Q1,Q2
TR SA1162	Transistor	6	Q3,Q4,Q5,Q6,Q8,Q9
V20672-IFKHPBOW	Display	1	LED1
10UF/6.3V	Tery Capacitor	2	C04,C11
100UF/6.3V	Tery Capacitor	2	C02,C8
BAV99	Double Diode	1	D1
ST4004	Diode	1	D2
47UF/35V	Electrolytic Capacitor	1	C10
30P	Ceramic Capacitor	2	C05,C06
27P	Ceramic Capacitor	4	C4,C5,C14,C15
102P	Ceramic Capacitor	6	C3,C13, C28,C31 ,C32,C210
104J	Ceramic Capacitor	7	C01,C6,C7,C9,C33,C110,C120
10P	Ceramic Capacitor	1	C41
5P	Ceramic Capacitor	3	C1, C2,C131
4P	Ceramic Capacitor	1	C52
0Ω	Resistor	1	L2
5.1Ω/1W	Resistor	1	R20
56Ω	Resistor	8	R4,R5,R6,R7,R8,R9,R10,R01
2K	Resistor	1	R1
3.9K	Resistor	9	R2,R12,R13,R14,R15,R17,R18,R19, R21
8.2K	Resistor	1	R3
27K	Resistor	1	R9
82K	Resistor	1	R131
120N	Inductor	1	L42
4.7N	Inductor	1	L91
1000N	Inductor	1	L210
2.5N	Inductor	2	L62,L41
12V BUZZER	BUZZER	1	BUZZ1
TAA-2PGH835-130	SWITCH	1	KEY1
DXCL-2512-1-1	Power wire	1	+/-
98-3 gumwater	Omnipotent gumwater	1	ANT
502 gumwater	gumwater	1	ANT
Dedicated ANT	RF ANT	1	ANT

