C-8136   TECHNICAL DESCRIPTION

A. CIRCIUT OPERATION

1. Temperature sensor.

   Provide temperature data for (MCU) micro controller unit.

2. Humidity sensor .

   Provide Humidity data for (MCU) micro controller unit.

3. Pressure sensor & A/D IC

   Provide air pressure data for A/D IC ,and then input MCU 1.

4. MCU1+MCU2

   The micro controller unit (MCU) are encoding and manipulating temperature Humidity and pressure data and RC clock and 433 received and driver LCD.

5. RF Receiver

   Receive Convert RF modulated information into digital for (MCU).

6. Voltage regulator

   Stable RF receiver and (MCU) and (RC) Radio controlled receiver voltage .

7. LCD Display option

   Display indoor outdoor temperature and Humidity ,pressure ,pressure bar ,moon phase, time, date and other .

B. COMPONENT DESCRIPTION

CATEGORY	NUMBER	NAME	DESCRIPTION
Regulator	3A-0R	3V Regulator	Stable RF receiver, RCC, pressure board and MCU
Transistor	2SC1623	L6	Buzzer driver(Q1)
Transistor	2SC1623	L6	RF receiver switch(Q2)
Transistor	2SA812	M6	RF receiver switch(Q3) and reset circuit(Q4)
Transistor	H2D	RF transistor	433.92MHz RF receiver
IC	SSC32210	Pressure A/D	Pressure A/D
MCU1 + MCU2	TM8726 MSM64162A	Micro controller unit	decoding and manipulating temperature Humidity data from transmitter ,radio controlled ,pressure and drive LCD display .
Crystal	32.768KHz	3*8 32k Quartz	Stable MCU master clock
Crystal	60KHz	2*6 60k Quartz	For RCC receiver
Display	LCD329	C8136LCD	Display time ,indoor outdoor temperature ,Humidity, 433 channel, alarm time, Pressure ,pressure bar ,weather and moon phase
IC	TL062CD	SMD 062	433 MHz receiver Low pass amplifier and comparator
IC	UE6005	RCC receiver IC	RCC receiver
Transducer	8.5mm	Transducer	Alarm sound output
Sensor	103AT	Temperature sensor	Provide temperature data for MCU
Sensor	DMP015A	Pressure sensor	Provide pressure data for MCU

CHUNG'S ELECTRONIC CO.,LTD	
Name	TECHNICAL DESCRIPTION
Model	C8136
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