Items Description

Product Introduction:

1.Output Power:500mW (driving earphone)
2.Frequency Response Range:50Hz-18KHz
3.Sound Track:stereo
4.Receiving Frequency Adjustment Range:87.0MHz-108.0MHz (campus broadcast power off);76.0MHz-108.0MHz (campus broadcast power on)
5.Equivalent Noise:>=30dB
6.Power Supply Voltage:3.0V-5.0V
7.Current:40mA
8.Application:for FM stereo radio

Features:

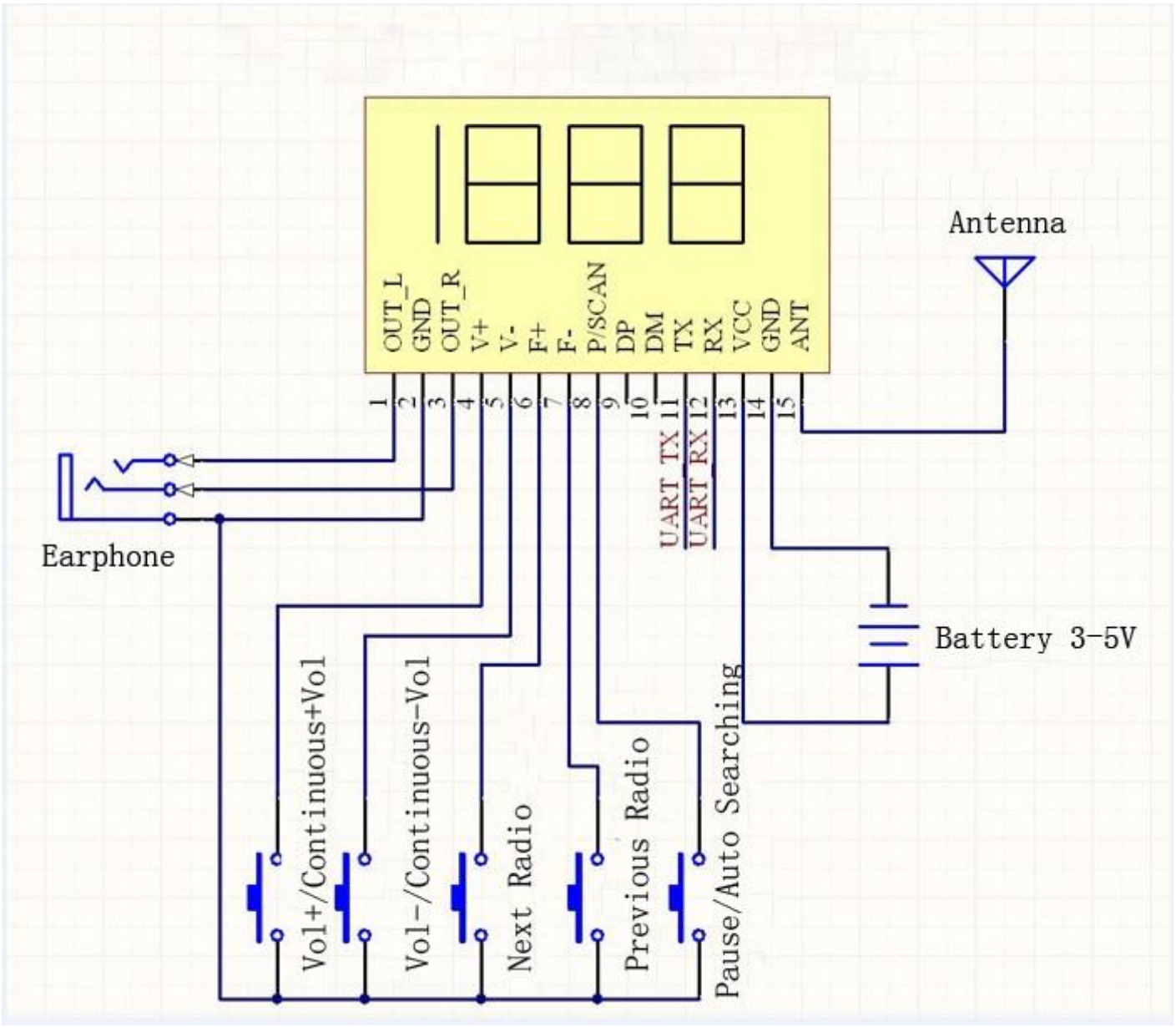
1.Adopt DSP And FM PLL Technique
2.LCD Display
3.Automatic Radio Station Searching And Storage
4.Built-In 30 Levels Digital Volume Adjustment
5.Power Off Automatic Memory Previous Data
6.Support Serial Port AT Instruction Control
7.Adopt Quartz Crystal Stabilizing Frequency
8.Full-Frequency Band Automatic Searching Signal Frequency Band And Memory

Instruction Name	Instruction Example	Instruction Description	Range of values	Return value
Set the current frequency	AT = 875	Set the current Frequency to 87.5MHZ	760-1080 (open campus radio) 870-1080(Off campus radio)	Current frequency or ERR (error)
Frequency -0.1MHZ	AT			Current frequency
Frequency + 0.1MHZ	AT			Current frequency
Play the saved channel	AT = 01	Play 01 channel		Channel information or ERR
On last channel	AT			Channel information or ERR
The next channel	AT			Channel information or ERR
Automatically search and store stations	AT			OK or ERR Search for radio return: frequency, channel, total number of channels Search completed Returns: current frequency, current channel, total number of channels searched Search the last station

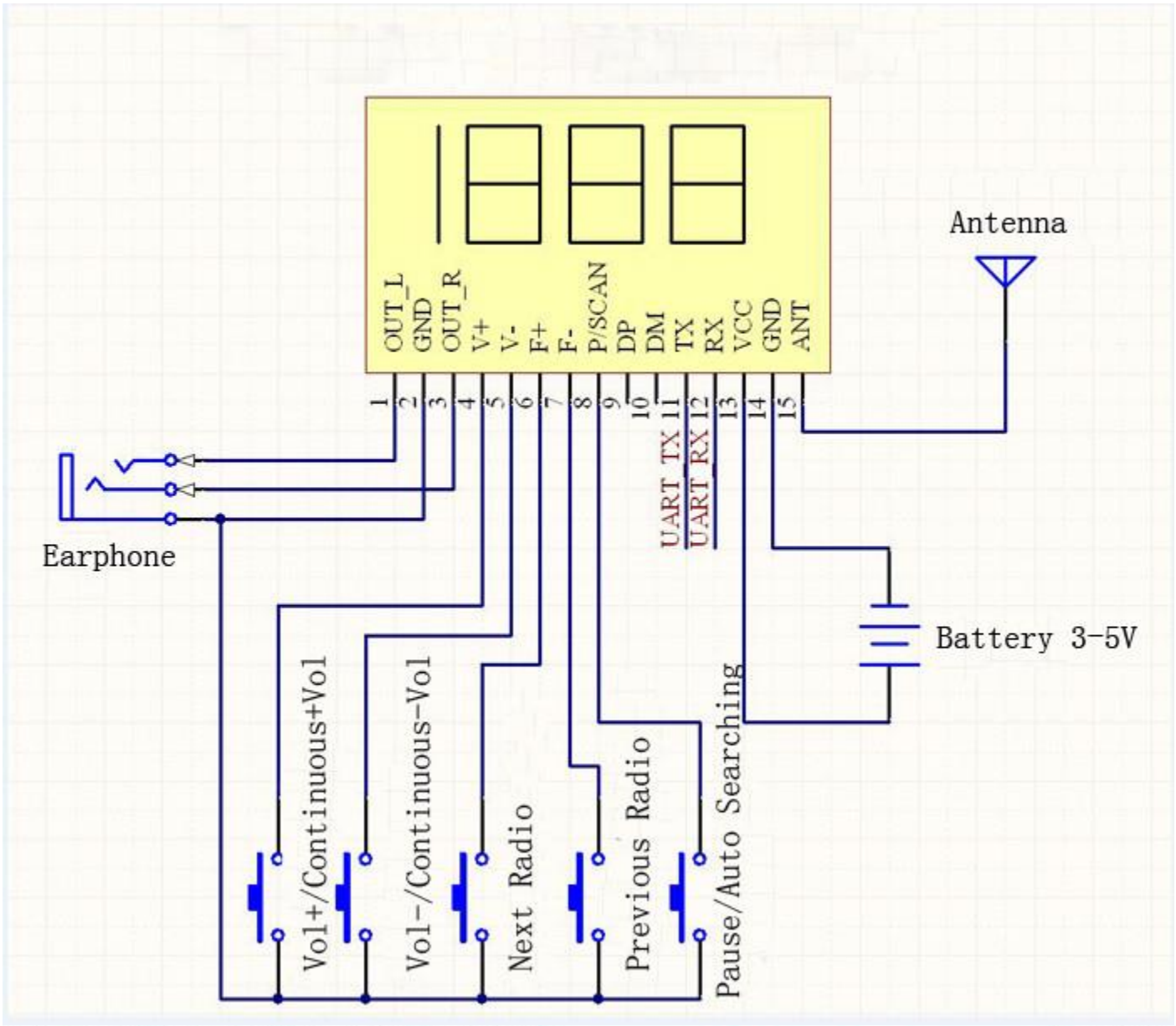
Search for the lastt station	AT			OK or ERR
Search for the next station	AT			OK or ERR
Interrupt the automatic search	AT			OK or ERR
Pause playback/ resume playback	AT			PLAY PAUS (pause) ERR
Set the volume	AT= 16	Set the current volume to 16	00-16	VOL value or ERR
volume-	AT			VOL value or ERR
Volume +	AT			VOL value or ERR
Set the backlight off time (seconds).Where 00 is off 01 is long	AT = 10	Set the backlight delay to 10 seconds off	00-99	BANK value or ERR
Open off campus radio	AT=1	Open campus radio	0 (off) -1 (on)	CAMPUS_OFF or CAMPUS_ON
Get the current frequency signal to noise ratio and signal strength	AT	Get the current frequency signal to noise ratio and signal strength		SNR: dB RSSI: Conversion formula dBuV = RSSI - 43

reset	AT	reset:
		VOL = 10 // volume 10
		FRE = 875 // Frequency 87.5MHZ
		BANK = 20 // backlight delay 20s goes out
		CAMPOS_OFF // off campus radio
		FRE = 875 // current frequency 875MHZ
				OK

Returns the module's current status information	AT			VOL = 10 // volume 10
				FRE = 875 // Frequency87.5MHZ
				CH = 01 // current channel 01
				CH_ALL = 05 // total channel 05
				PLAY / PAUS // mute state
				BANK_OFF (BANK_ON) // Backlight off time (1 long, 0 long, or delayed xs)
				CAMPOS_OFF (CAMPOS_ON) // whether to open campus radio

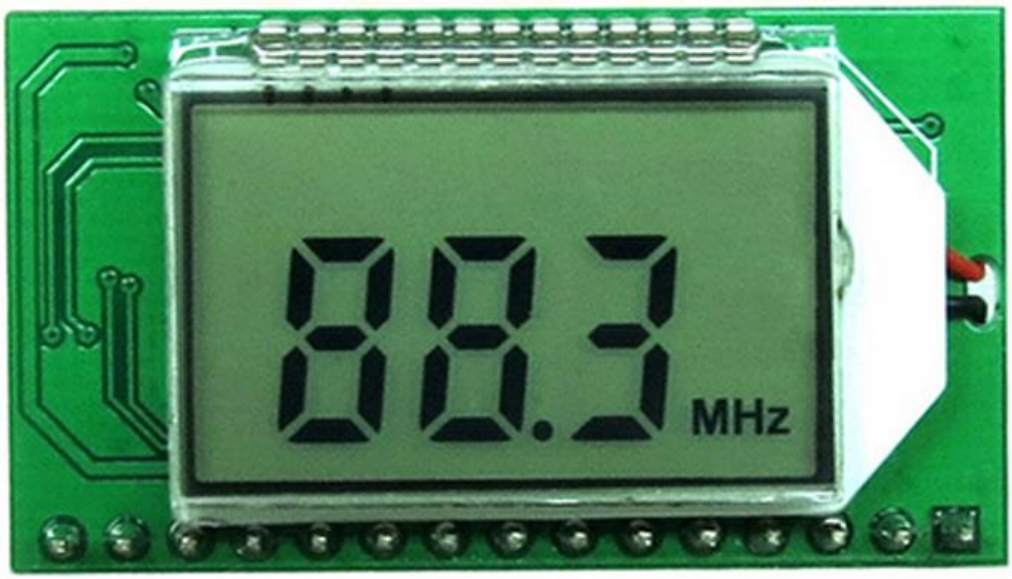

OUT_L
GND
OUT_R
V+
V-
F+
F-
P/SCAN
DP
DM
TX
RX
VCC
GND
ANT
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
UART_TX
UART_RX
Antenna
Earphone
Battery 3-5V
Vol+/Continuous+Vol
Vol-/Continuous-Vol
Next Radio
Previous Radio
Pause/Auto Searching

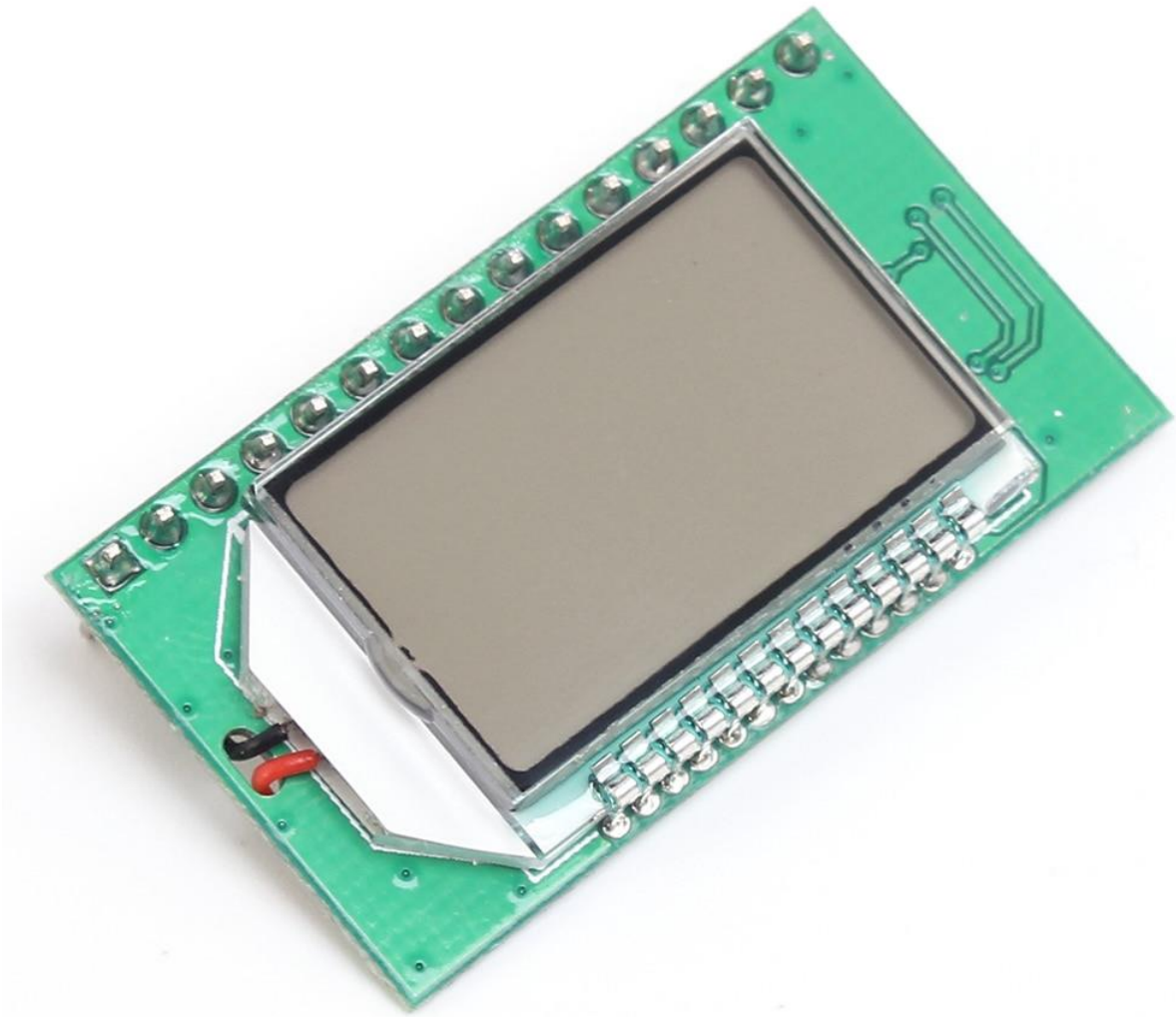

MHz

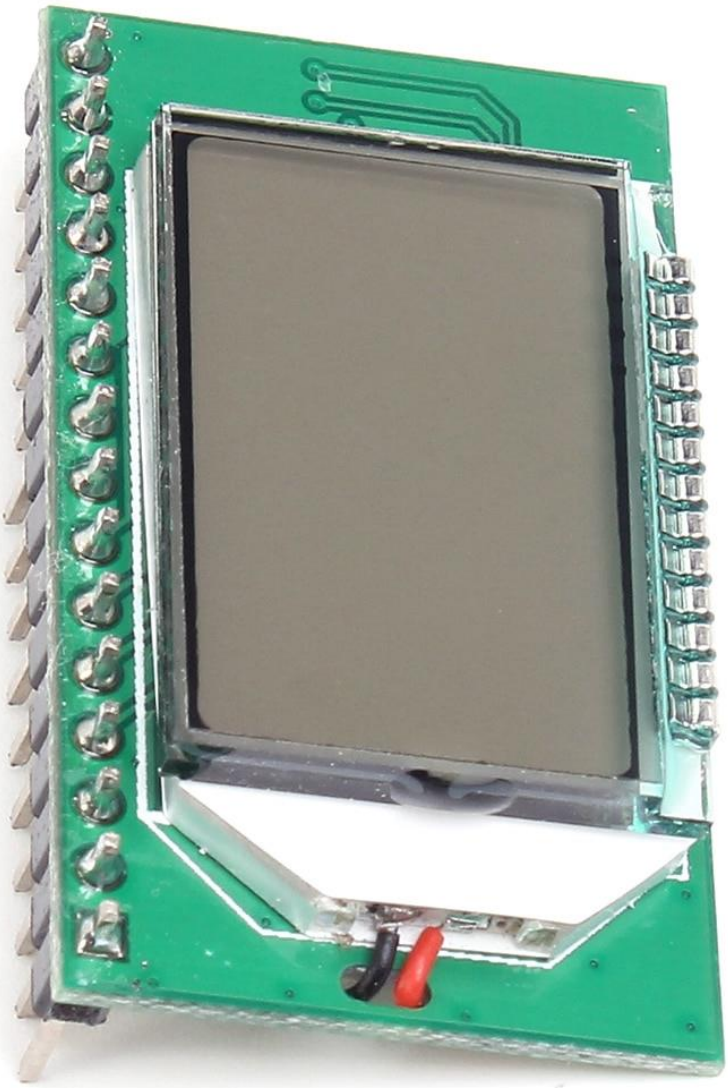


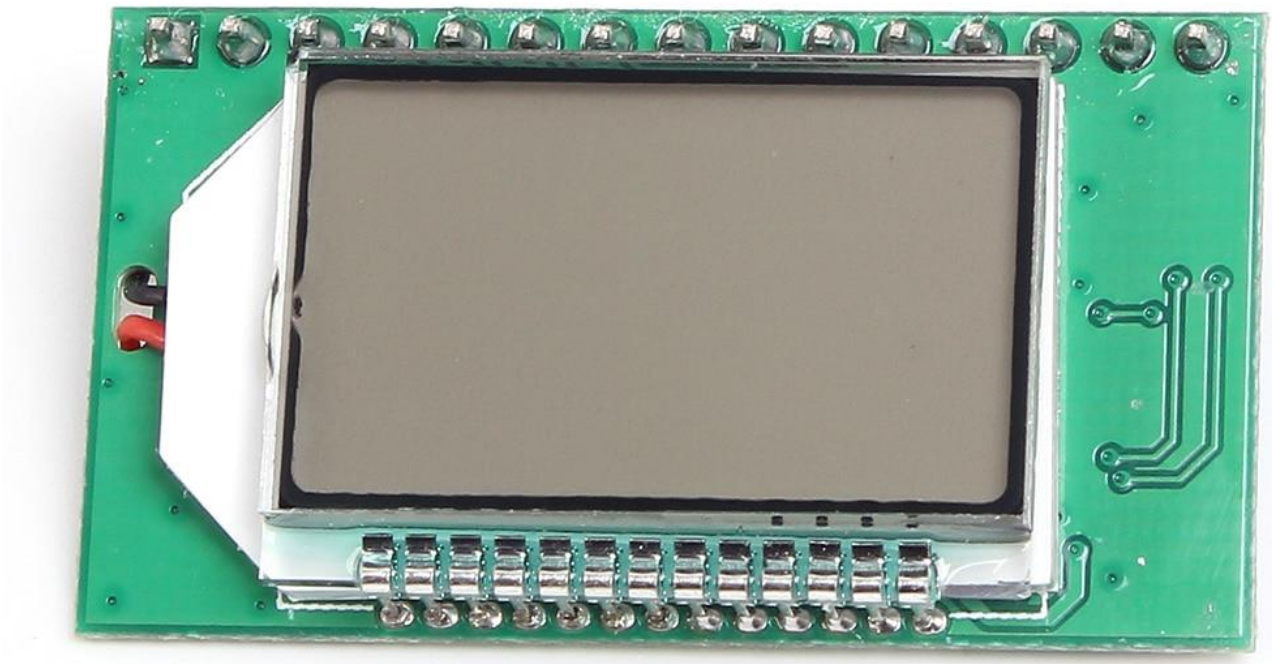
ITEMS PICTURE

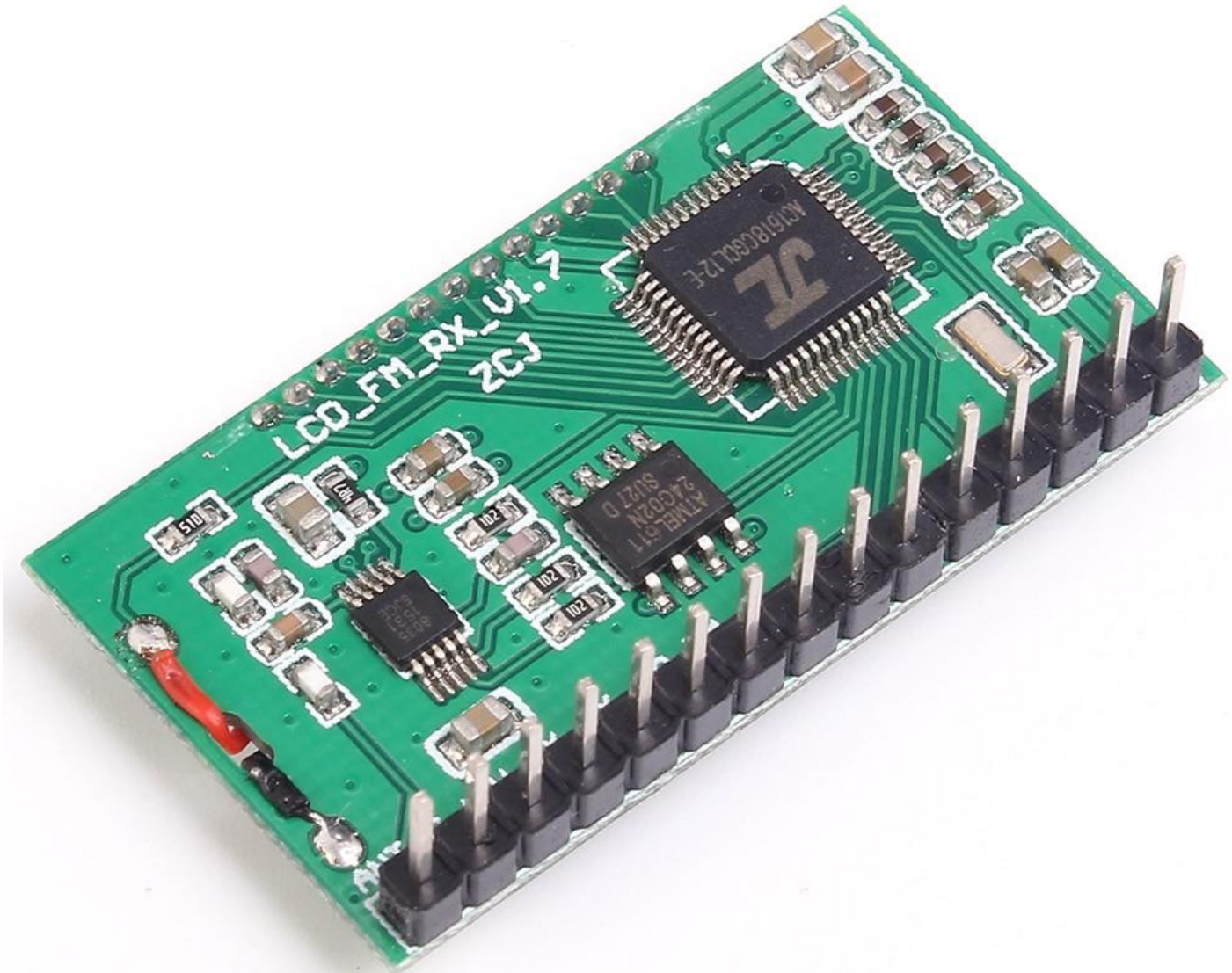

MHz
40mm
22.5mm
Antenna
Ground
Power (3-5V)
Fre-
Fre+
USB DM
USB DP
Mute/Auto Search
Prev Radio
Next Radio
Vol -
Vol +
Output_R
AGND
Output_L

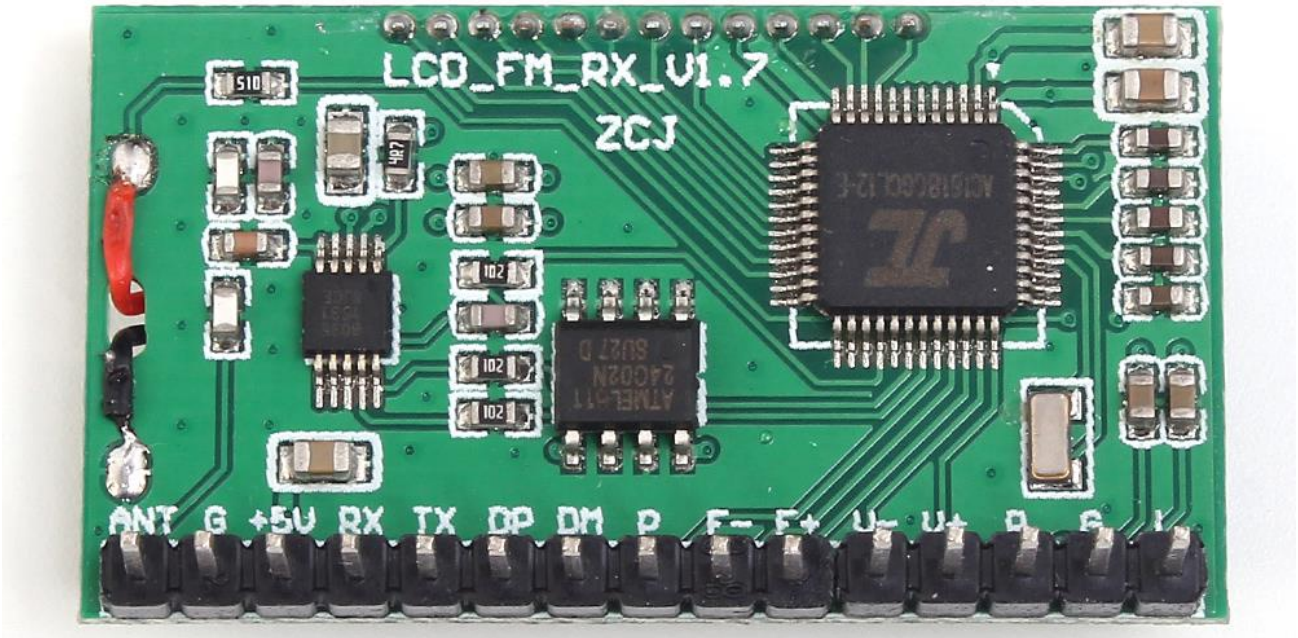

88.3
MHz








LCD_FM_RX_V1.7
ZCJ


LCD_FM_RX_V1.7
ZCJ
ANT G +5V RX TX DP DM P F- F+ U- U+ D G L