

Similar devices

Similar devices:

- <http://marcusjenkins.com/gps-vehicle-tracker-with-a-real-gps-receiver/>
- Orange B6 Phone
- Smartwatches
- SIM808 <https://www.adafruit.com/product/2637>
- Smartphone Melrose MP4 Terminator X

Resources

- [U8 Smartwatch Hacking 101](#)
- Fernvale
 - <http://www.cnx-software.com/2015/01/02/fernvale-open-source-hardware-iot-board-based-on-mediatek-mt6260-soc-with-gsm-connectivity/>
 - <http://www.bunniefoo.com/fernvale/fernvale-31c3.pdf>
 - <http://www.bunniestudios.com/blog/?p=4297>
 - https://kosagi.com//w/index.php?title=Fernvale_Main_Page
 - https://kosagi.com//w/index.php?title=MTK_Components

PCB

GT06-V01

Connections

- + SPK
- - SPK
- + SOS - to button
- - SOS - to button
- + MIC
- - MIC
- RX (2,8V)
- TX (2,8V)
- GND
- ACC to power after key
- OIL fuel pump relay (ground when active)
- V- to car battery
- V+ to car battery

Amplifier 8733A

For speaker / siren output

- 8733A QFN20 new original authentic audio power amplifier pen

Power supply XL1509-ADJE1

<http://www.xlsemi.com/datasheet/XL1509%20datasheet.pdf> Producing 5V output

- 2A 150KHz 40V Buck DC to DC Converter
- Output Adjustable from 1.23V to 37V
- Wide 4.5V to 40V Input Voltage Range

Battery

4.2 constant voltage during charging (with module switched off)

PIC 12F629

<http://www.microchip.com/wwwproducts/en/PIC12F629>

- 1.75 kB Flash
- 128 bytes of EEPROM data memory,
- Programmable pull-up resistors,
- 64 Bytes RAM
- 128 Bytes EEPROM
- Timers 1 x 8-bit, 1 x 16-bit
- 1 Comparator
- Operating Voltage Range (V) 2 to 5.5
- Pin Count 8

GPS MT3336N

<https://labs.mediatek.com/fileMedia/download/4c04f268-9f17-4525-954c-d1ae6fdc2f57>

- GPS/GLONASS/GALILEO/BEIDOU (after ICD released) receiver
- Supports multi-GNSS incl. QZSS, SBAS ranging
- Supports WAAS/EGNOS/MSAS/GAGAN
- 12 multi-tone active interference cancellers (ISSCC2011 award)

- RTCM ready
- Indoor and outdoor multi-path detection and compensation
- Supports FCC E911 compliance and A-GPS
- Max. fixed update rate up to 5 Hz

GSM Baseband VC52780

VC52780
1552
A5M007

SoC MT6260DA

Mediatek
MT6260DA
1319-AMAH

GSM/GPRS/EDGE-RX SOC Processor

- 8MB built-in RAM
- 4MiB NV memory
- <http://www.mikrocontroller.net/attachment/242886/datasheet.pdf>

MT6260 is a monolithic chip integrating leading edge power management unit, analog baseband and radio circuitry based on the low-power CMOS process.

MT6260 is a feature-rich and extremely powerful single-chip solution for high-end GSM/GPRS and EDGE-Rx capability. Based on the 32-bit ARM7EJ-S TM RISC processor, MT6260's superb processing power, along with high bandwidth architecture and dedicated hardware support, provides a platform for high-performance GPRS/EDGE-Rx Class 12 MODEM application and leading-edge multimedia applications.

From:
<https://niziak.spox.org/wiki/> - **niziak.spox.org**

Permanent link:
https://niziak.spox.org/wiki/hw:gt06_gps_tracker:reverse_engineering

Last update: **2016/08/24 10:16**

