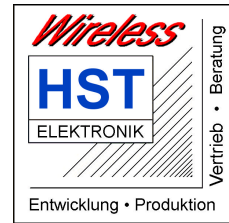
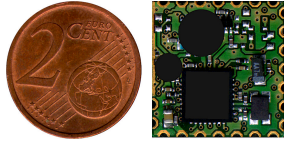


PRODUCT SPECIFICATION

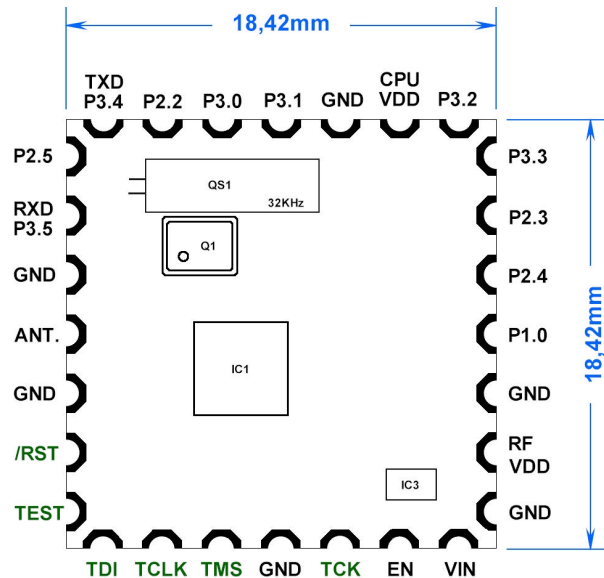


300 – 348, 400-464, 800-928 MHz Transceiver-mController-Module ISM / SRD bands

TμM1100-MSP

Applications

- Alarm and Security Systems
- Automotive
- Home and Building Automation
- Automatic Meter Reading (AMR)
- Wireless Handsfree
- Remote Control
- Surveillance
- Wireless Communications
- Low Power Telemetry
- Toys
- REK – Remote Keyless Entry
- Industrial Monitoring and Control
- Wireless Sensor Networks
- Consumer Electronics
- Ultra Low-Power Wireless Applications



FEATURES

RF : Cipcon CC1100

- GFSK, FSK, OOK/ASK, MSK multi-channel transceiver
- Frequency range 300 – 348, 400 – 464 MHz, 800 – 928 MHz
- Data rate 1,2 to 500 kbps
- Data format NRZ, Manchester or UART
- Digital RSSI and carrier sense indicator
- Automatic RX polling using Wake-on-Radio: 1.8uA
- Separate 64-byte RX and TX data FIFOs, Burst mode data transmission
- Ideal for multi-channel operation
- Standby- and power down-mode
- Programmable receiver channel filter bandwidth from 58 to 812 KHz
- High RX sensitivity up to –110dBm at 1.2 kbps
- Programmable output power up to +10 bBm
- 50Ω Antenna input/output

CPU on board : TI, MSP430F1232

- **ultralow-power** mixed signal 16-bit RISC microcontrollers
 - 256 Byte internal RAM
 - 8KB + 256 Byte FLASH, In-system programmable
 - 15 Port USER I/O
 - USART, Serial Interface or Synchronous SPI
 - On-Chip Oscillator
 - Power-on Reset and Brown-out Detection
 - Watchdog with Separate On-chip Oscillator
 - On-chip Analog Comparator
 - Interrupt and Wake-up on Pin Change
 - 16-bit Timer with three Capture/Compare Registers
 - Temp. Sensor
 - Four 10-bit 200-ksps ADC, one ADC int. for monitoring VIN
 - On-chip debug; in-system debug
 - Optional 32KHz Crystal or External Clock Source
- On board:**
- Low Drop Regulator VCC up to 12V