

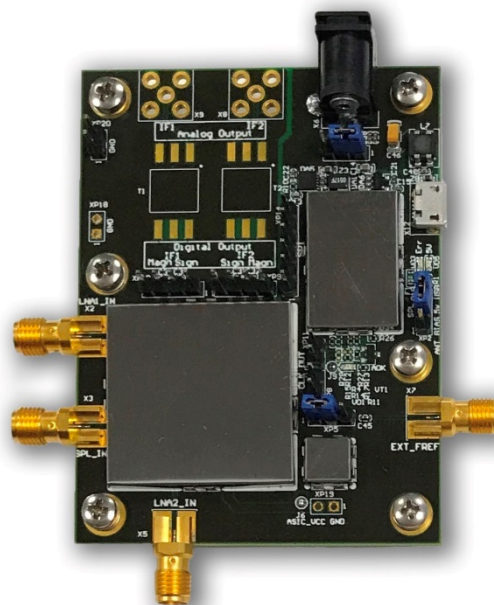
## 1. OVERVIEW

NT1062 EVK is an evaluation platform for performance and capabilities demonstration of NT1062: Two-Channel RF Front-End IC that covers GNSS (NavIC, GLONASS, GPS, Galileo, BeiDou, QZSS) signals at all frequency bands in various combinations: L1, L2, L3, L5, E1, E5a, E5b, E6, B1, B2, B3. External active antenna can be connected to SMA input that is common for two receiving channels. As an option two separate SMA inputs can be used for operating with external passive antennas.

NT1062 EVK is suitable the most for in-lab examining with measurement equipment like spectrum analyzer, oscilloscope, network analyzer and etc, but also it has connectors for wiring to external development platforms and can be used for prototyping of navigation receivers based on NT1062.

## 2. KEY FEATURES

- IO ports:
  - 50Ω SMA input connector for L1 band of GNSS signal reception (recommended for passive or low gain antennas)
  - 50Ω SMA input connector for L2, L3, L5 bands of GNSS signal reception (recommended for passive or low gain antennas)
  - 50Ω SMA input connector for L1 and L2, L3, L5 bands of GNSS signal reception (recommended for active antennas)
  - SMA input connector for external reference frequency
  - Each channel individual IF output ready to connect either as digital 2-bit CMOS or analog differential signal. Single-ended IF outputs are also available as assembly option
  - CMOS clock output
  - Embedded USB to SPI convertor for NT1062 registers configuration. External SPI controller can be also connected (special assembly option)
  
- On-board reference frequency source:
  - 16.368MHz high-stability TCXO
  
- Comprehensive software and documentation:
  - NT1062 datasheet
  - NT1062 EVK user manual
  - GUI for NT1062 registers access (Windows 7/8/8.1/10 and Linux Ubuntu 18.04 compatible)
  - NT1062 configuration examples
  - Database of PCB reference design



## 3. STRUCTURE

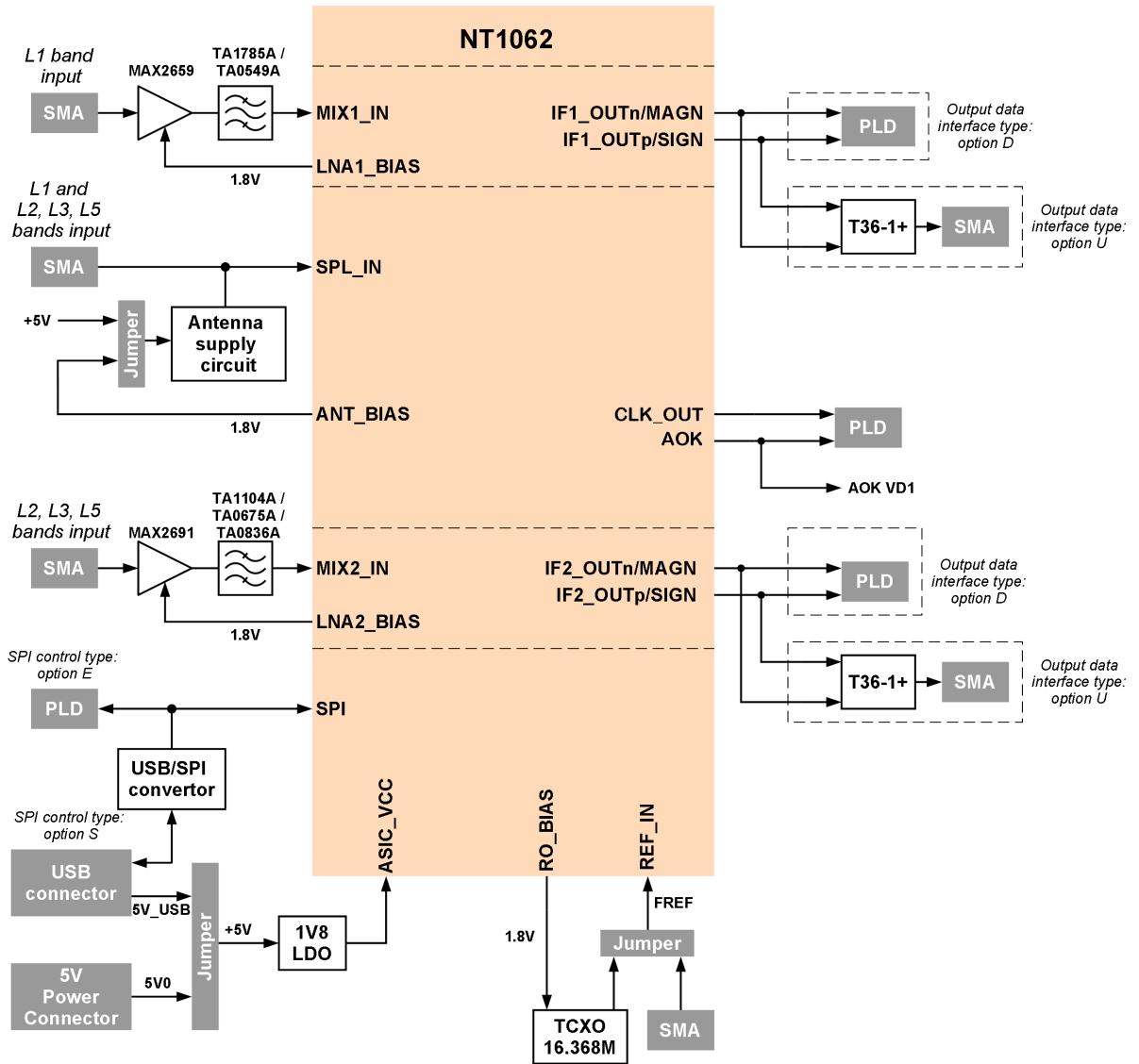


Figure 1: Block diagram

## 4. ORDERING INFORMATION

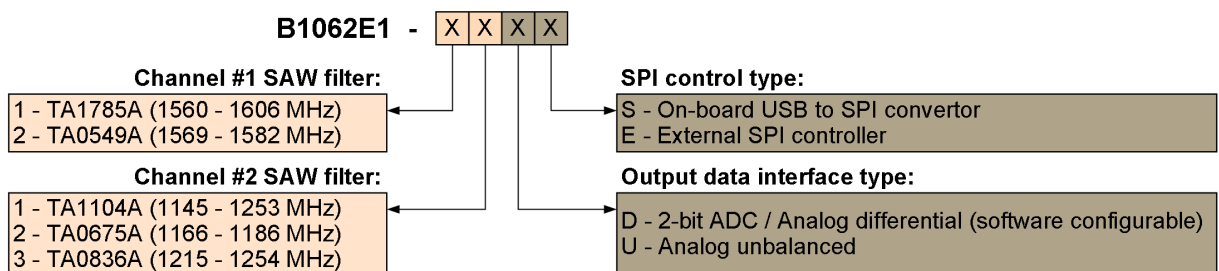


Figure 2: Ordering information