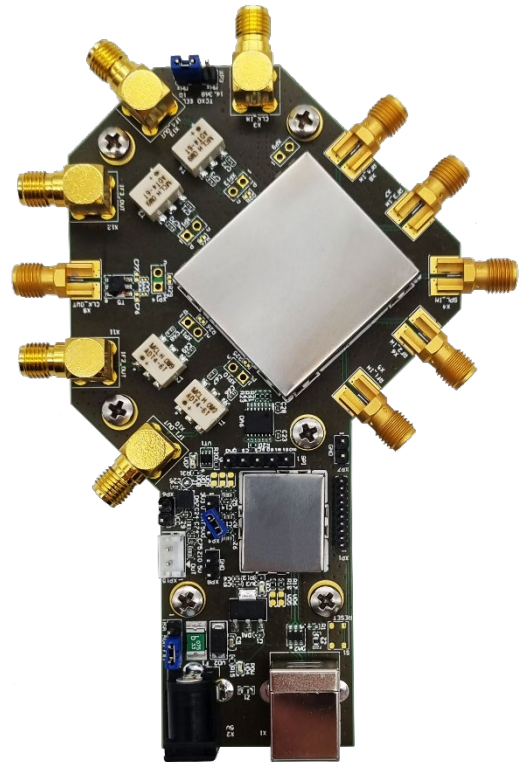


## 1. OVERVIEW

NT1068.2\_EVK is an evaluation platform for performance and capabilities demonstration of NT1068.2: 4-channel GPS/GLONASS/Galileo/BeiDou/NavIC/QZSS S, L1, L2, L3, L5, E1, E5a, E5b, E6, B1, B2, B3 band RF Front-End IC. It 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.

## 2. KEY FEATURES

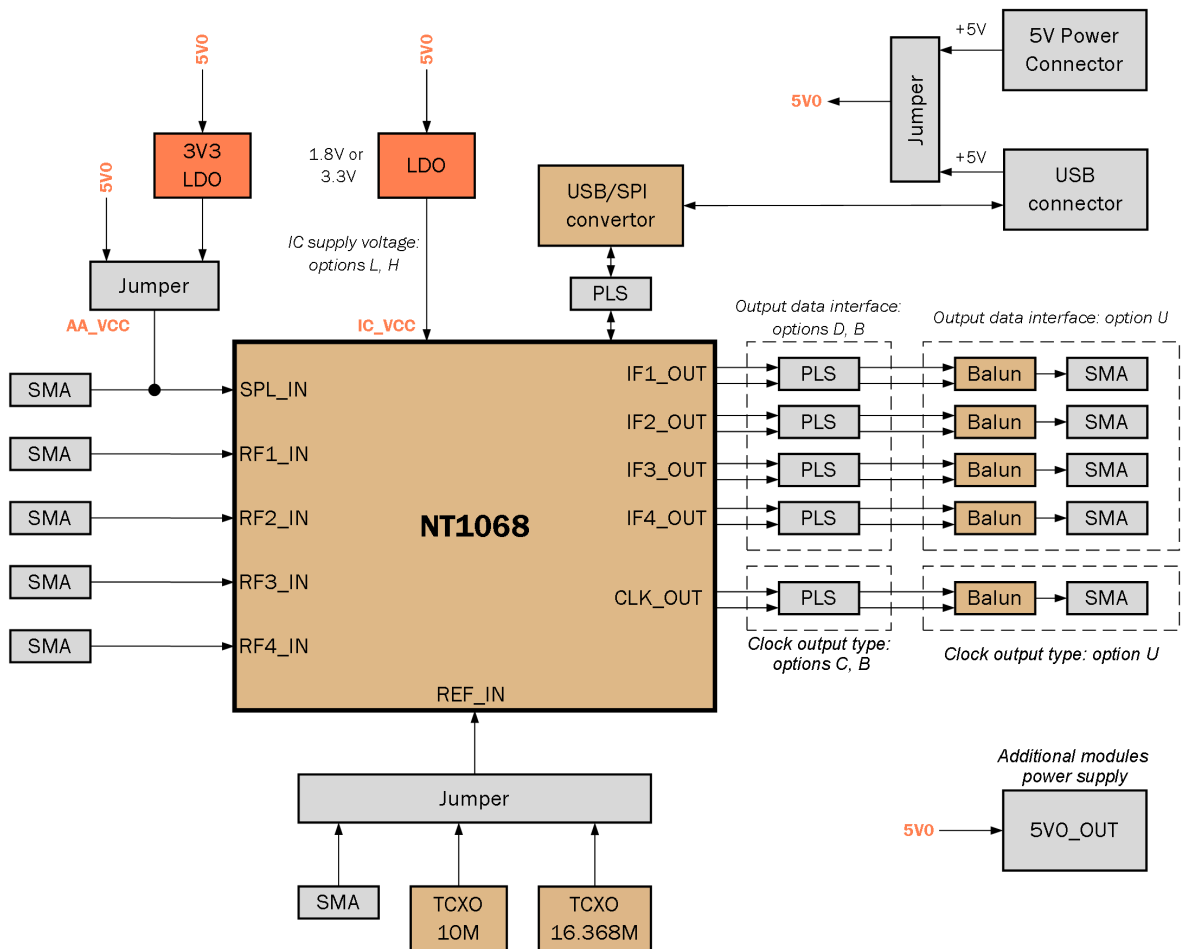
- IO ports:
  - RF splitter input with active antenna supply option
  - Every channel individual RF input
  - Every channel IF output ready to connect either as digital 2-bit CMOS/LVDS or analog differential signal (single-ended signal is also available as assembly option)
  - External reference frequency input (TCXO)
  - CLK output ready to connect either as CMOS, differential or LVDS (single-ended sinewave is also available as assembly option)
  - Embedded USB to SPI adapter for NT1068.2 registers configuration
- On-board reference frequency sources:
  - 10 MHz TCXO
  - 16.368 MHz TCXO
- Additional modules:
  - 1-to-4 RF splitter
  - 2-to-4 RF splitter
  - 4-channel RF preselector
  - 1-to-5 RF splitter (SPL15-45514 or SPL15-465X5 recommended)
- Comprehensive software and manual:
  - NT1068.2 datasheet
  - NT1068.2\_EVK user manual
  - GUI for NT1068.2 registers access (Windows 7/8/8.1/10 and later compatible; Linux Ubuntu 18.04 and later compatible)
  - NT1068.2 configuration examples
  - Database of reference design



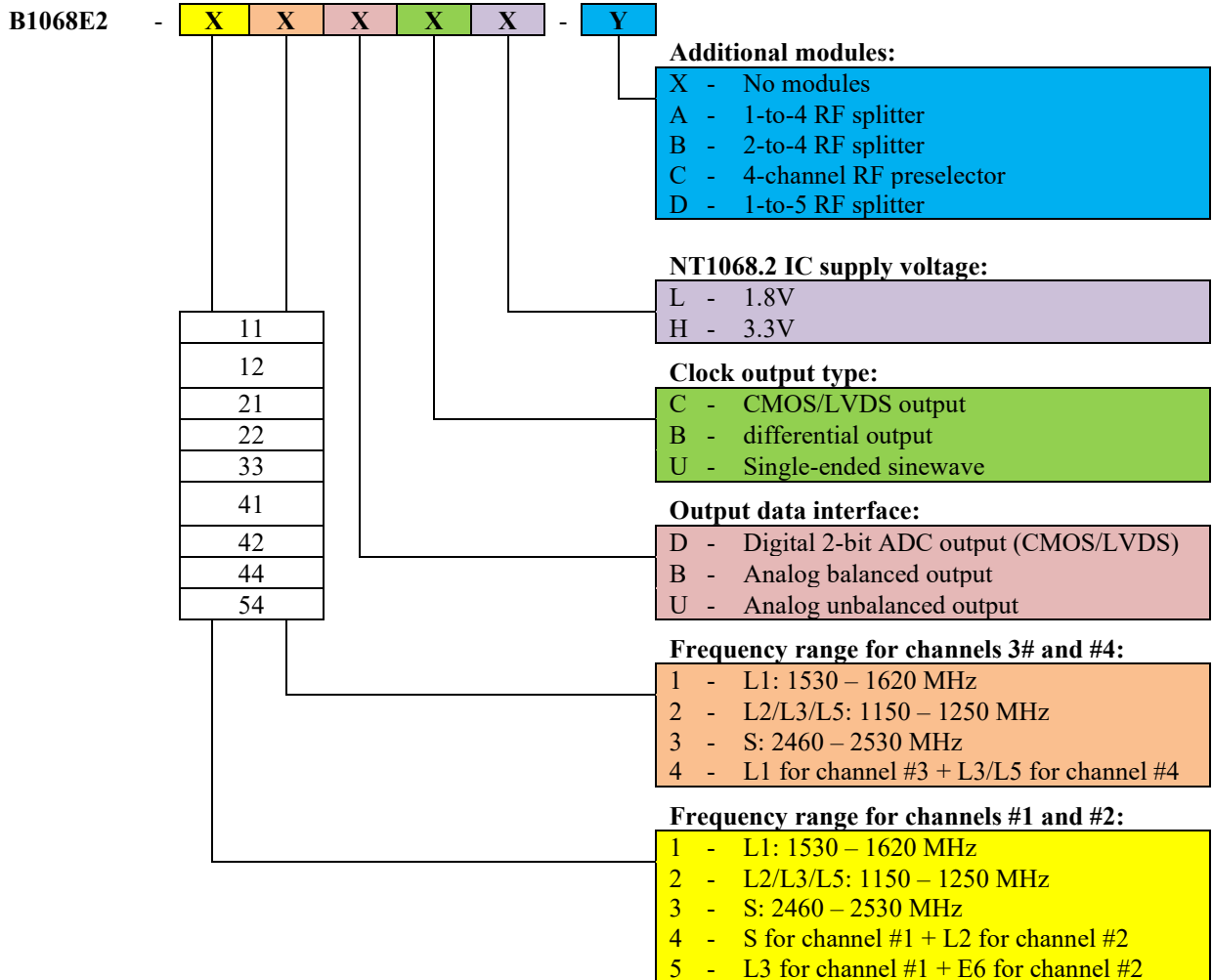
## 3. PACKAGE CONTENT

- PCB NT1068.2\_EVK\_V1 (demo board NT1068.2)
- Power supply cable
- Link to online documentation and GUI

## 4. STRUCTURE



## 5. ORDERING INFORMATION



If several additional modules are required, please, add corresponding symbols consequently, e.g. B1068E2–44UUH–AB. Refer to documents [NT1065\\_Additional\\_modules\\_vx.xx.pdf](#) and document [RF\\_Splitter\\_1\\_to\\_5\\_vx.x.pdf](#) for description and assembly options.