

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.

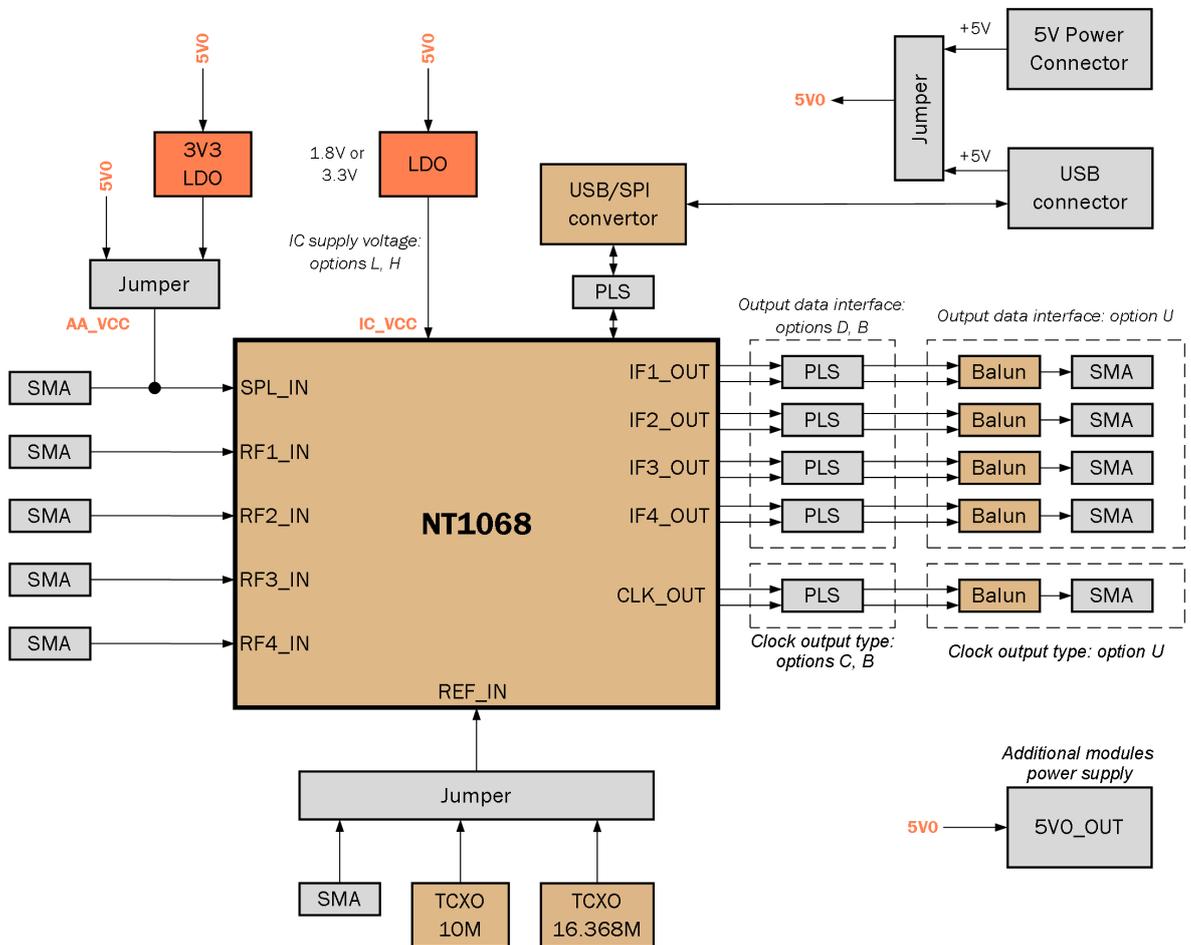
2. KEY FEATURES

- 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

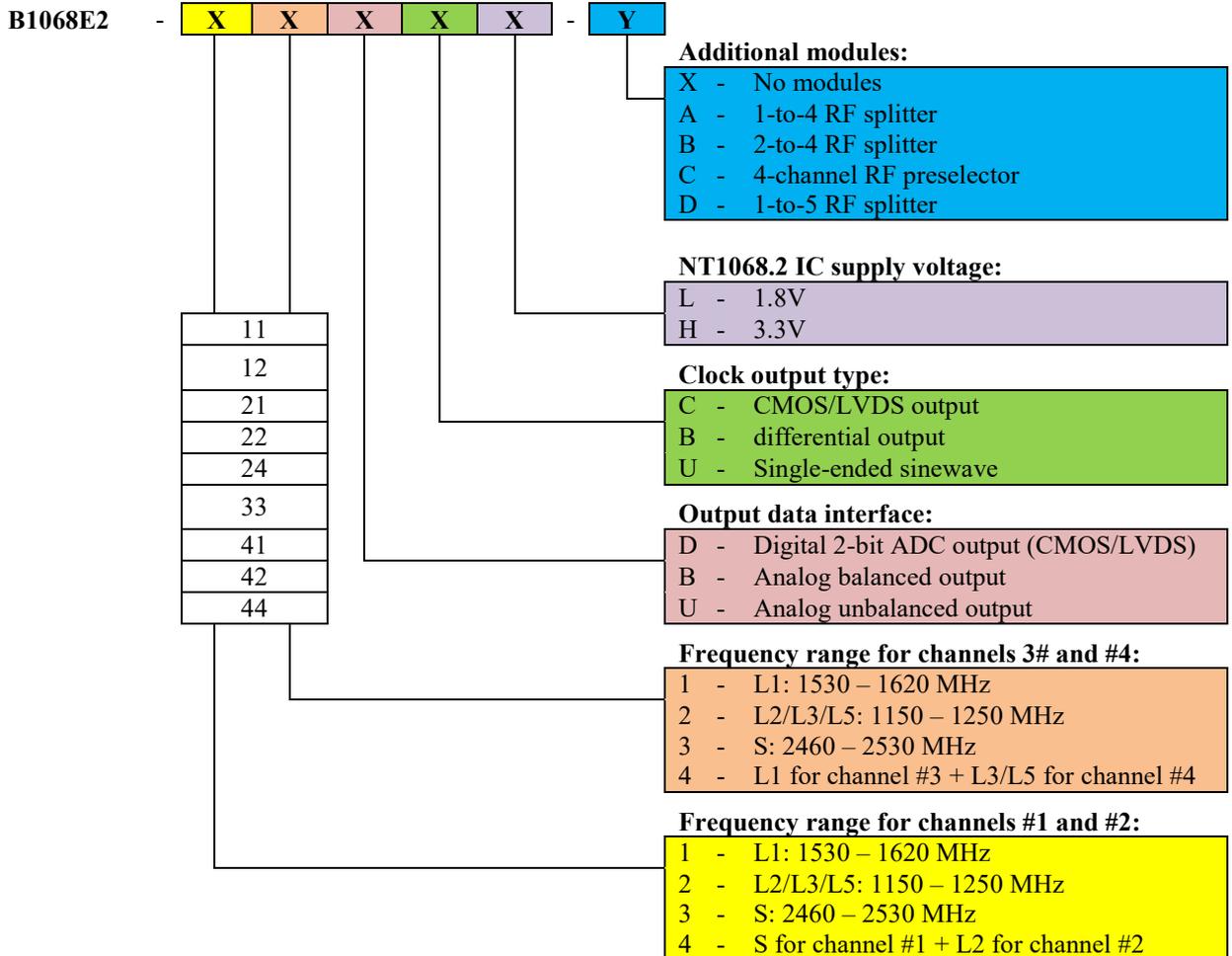
3. PACKAGE CONTENT

- 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.