1. OVERVIEW

NT1069 EVK is an evaluation platform for performance and capabilities demonstration of NT1069: interference resistant RF Front-End IC which is intended for reception of all existing Global Navigational Satellite Systems (GNSS) signals such as GPS, GLONASS, Galileo, BeiDou, NavIC, QZSS in S, L1, L2, L3, L5, E1, E5a, E5b, E6, B1, B2, B3 bands. NT1069 EVK is suitable the most for in-lab examining with measurement equipment like spectrum analyzer, oscilloscope, network analyzer and etc, and also can be used for prototyping of navigation receivers based on NT1069 IC.

2. KEY FEATURES

- IO ports:
  - 50Ω input connector for L1, L2, L3, L5 or S band GNSS signals reception
  - IF analog differential output (balanced). Single-ended IF output (unbalanced) is also available as assembly option
  - On-board frequency synthesizer (with test output available)
  - Frequency synthesizer outputs to 8 or 16 elements array
  - 50Ω input connector for external local oscillator connection
  - Connector for external controller for NT1069 and frequency synthesizer configuration

- Comprehensive software and documentation:
  - NT1069 datasheet
  - NT1069 EVK user manual
  - GUI for NT1069 and frequency synthesizer configuration (Windows 7/8/8.1/10 and Linux Ubuntu 18.04 compatible)
  - Database of PCB reference design

3. STRUCTURE

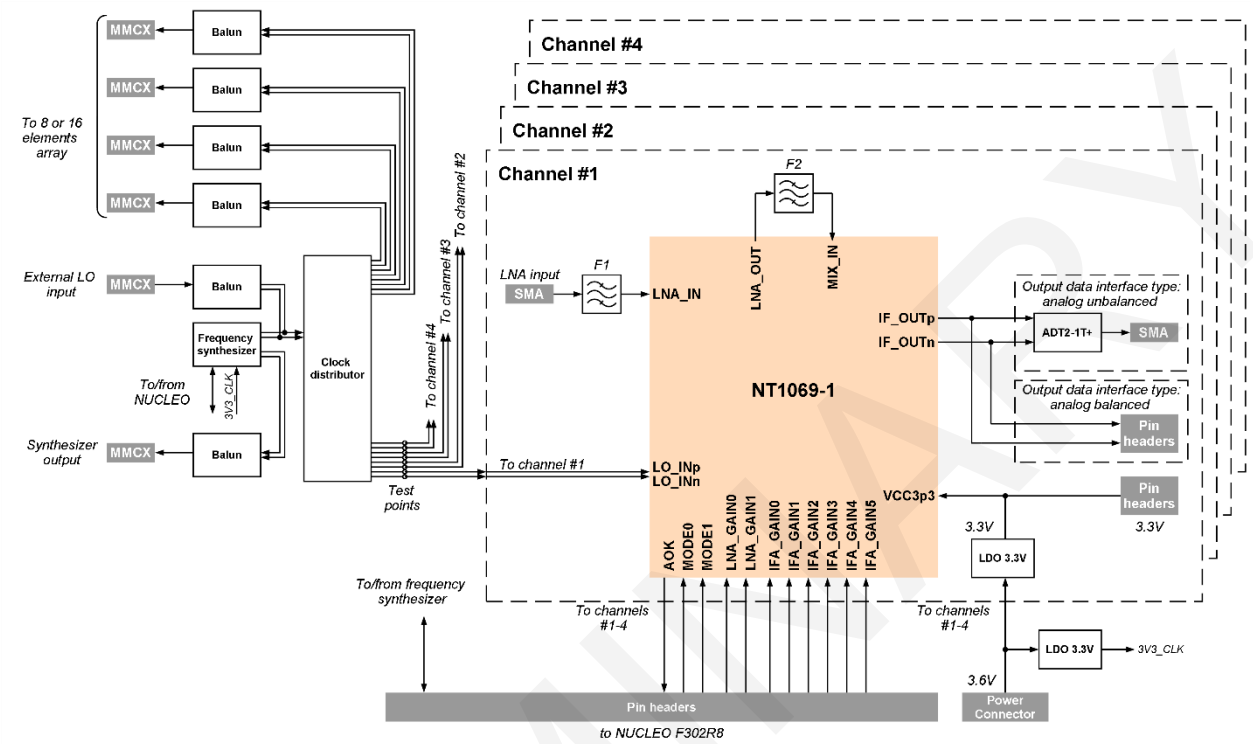

Figure 1: Block diagram

4. ORDERING INFORMATION

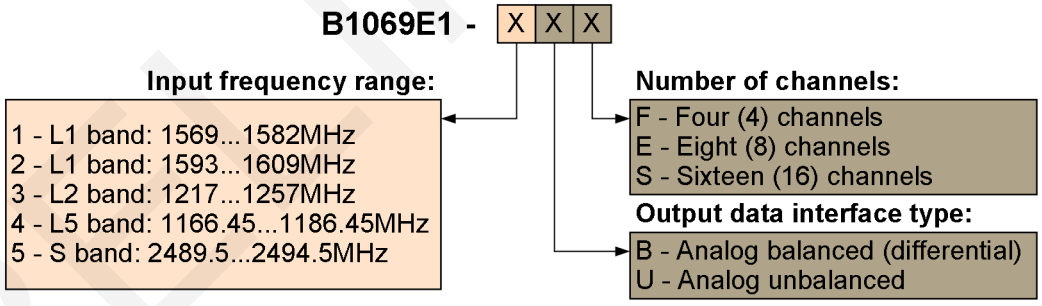

Figure 2: Ordering information