Global IP Core Sales®

The NavIC BCH Decoder FEC IP Core

The NAVIC BCH Decoder FEC IP Core is developed for satellite navigation applications.

Benefits

- Low Area Design
- Low-power and low-complexity design
- Maximum likelihood decoder
- Soft-decision decoding

Features

- Compliant with 'ISRO-NAVIC-ICD-SPS-L1-1.0' standard [1]
- Supports the BCH decoding for subframes (TOI) signal

Key Features

- Throughput matching the required specifications
- Bit-error-rate (BER) and block-error-rate (BLER) performance meet the required specifications

Deliverables

- Synthesizable Verilog
- System Model (Matlab)
- Verilog Testbenches
- Documentation

Applications

- Satellite Navigation
- Global Positioning Service receiver

Please contact us for more information at info@global-ipc.com or check out our product portfolio at www.global-ipc.com

About Global IP Core Sales

Global IP Core Sales® was founded in 2021 and provides state-of-the-art IP Cores for the Semiconductor market. The majority of our products are silicon proven and can be seamlessly implemented into FPGA and ASIC technologies. Global IP Core Sales® will assist you with your IP Core and integration needs. Our mission is to grow your bottom line.

A comprehensive NavIC BCH Decoder FEC IP Core datasheet can be provided under an NDA, please contact us at info@global-ipc.com.

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