

SEMICONDUCTOR

 **PRODUCT
CATALOGUE**

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ABOUT US

INTRODUCTION

NOVOSENSE Microelectronics (NOVOSENSE, SSE Code 688052) is a highly robust & reliable analog and mixed signal IC design company.

Since its establishment in 2013, the company has been focusing on signal sensing, system interconnection and power drive, providing comprehensive semiconductor products and solutions such as sensor, signal chain, isolator, interface, power driver, power management, which are widely used in automotive, industrial, information communication and consumer electronics markets.

With the mission of "Sense and Drive the Future, Build a Green, Smart and Connected World with Semiconductors", the company is committed to providing chip-level solutions to link the digital world and the real world.



QUALITY ACCREDITATIONS AND APPROVALS

Novosense operates through quality systems with ISO9001, ISO14001 and IATF16949 certifications.

In addition, it meets RoHS and REACH requirements, and declares on Conflict Materials.





PRODUCT PORTFOLIOS



Signal Sensing & Processing

- Amplifier/ADC/DAC/references/MuX
- Sensor signal conditioning ASIC
- Pressure Sensor
- Magnetic position sensor
- Temperature/humidity sensor



IC Driver

- Low Side driver
- Motor driver
- High-voltage non-ISO driver
- Half-bridge driver
- IOS driver
- LED driver
- High side driver



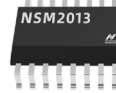
Power Management

- Path protection
- Power monitoring
- ISO power
- Power management PMIC
- Onboard power supply



Interface

- Digital Isolator
- CAN interface
- 485 Interface
- LIN Interface
- IC Interface



IV Sampling

- TVS
- ISO voltage sampling
- SO current sampling
- Non-ISO sampling

Core Technology

Sensor

- High reliability MEMS pressure sensor
- Micro-pressure MEMS pressure sensor
- High precision temperature/humidity sensor
- Hall/AMR magnetic sensor

Isolator & Interface

- >10kV ISO process
- CMTI >150kV/us
- High speed ISO signal transmission (Td < 10ns)
- Integrated ISO power
- High precision ISO amp/ADC
- High reliability I2C/485/CAN/LIN interface

Signal Chain

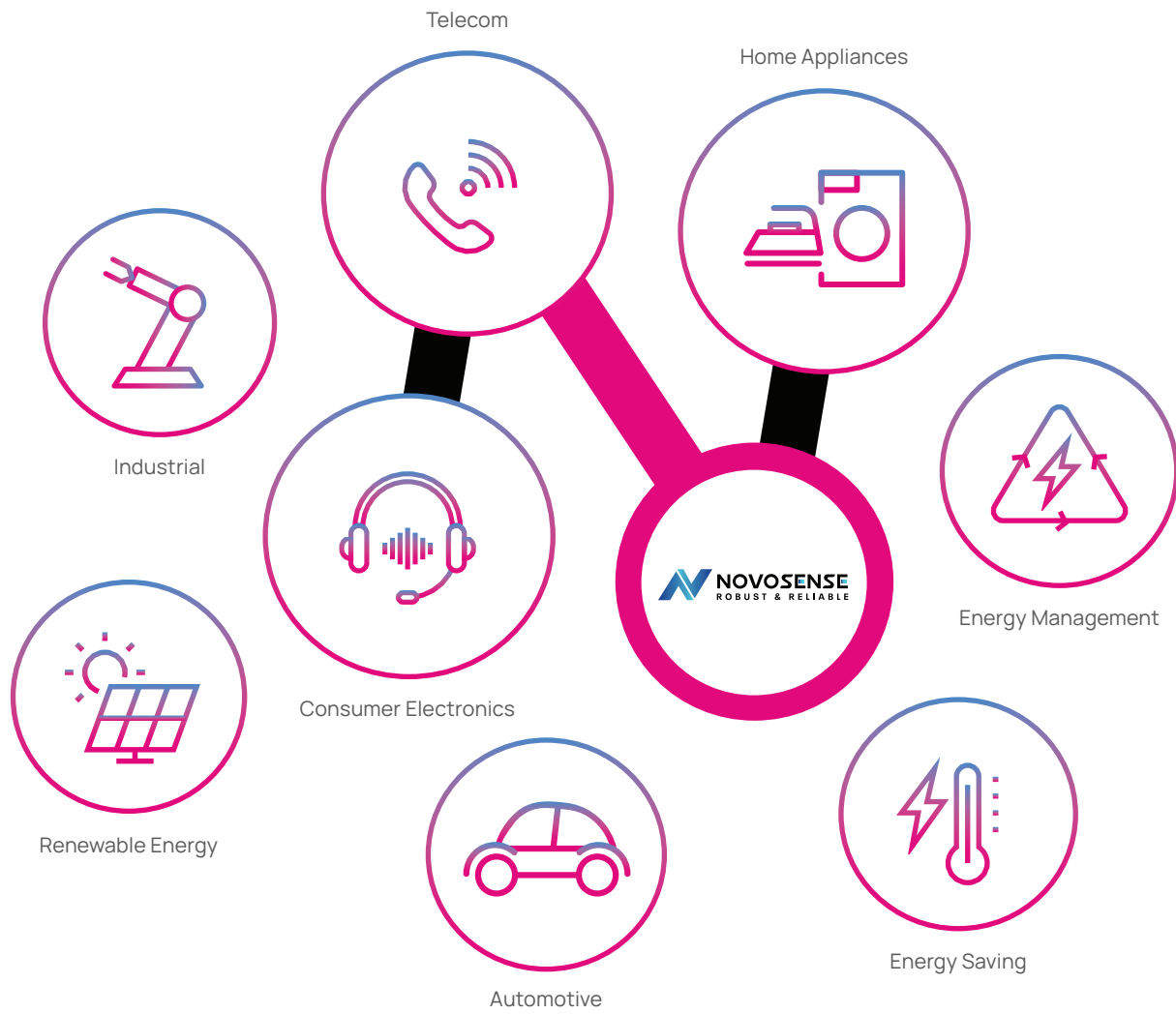
- High precision REF (< 5ppm/C)
- High precision amplifier (1uV offset)
- 24-bit precision ADC
- 16-bit precision DAC
- Digital signal processing

Power & Driver

- 5A half-bridge ISO driver
- SiC/IGBT driver with function safety
- Automotive Buck/Boost/LDO
- Automotive LED driver



APPLICATION AREA



CUSTOMERS

