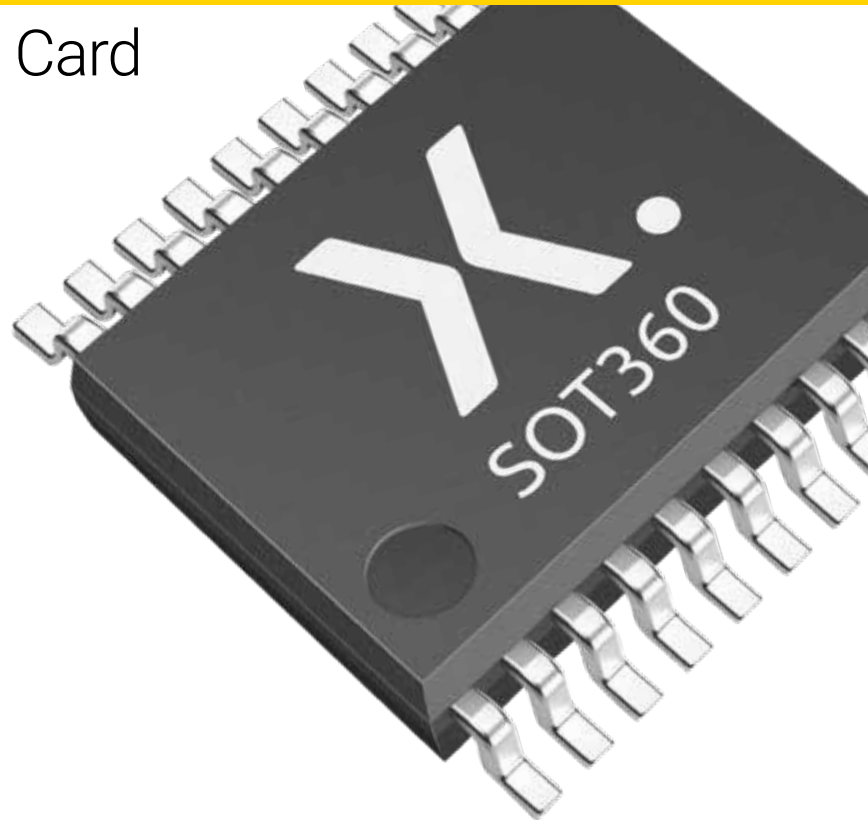




Nexperia

Product Line Card



nexperia



Nexperia, with their industry-leading portfolio of MOSFETs, analog and logic ICs, diodes, transistors, and protection and filtering devices is now teamed with TTI, the Specialist in Electronic Components Distribution. Nexperia produces the essential semiconductors required for every electronic design in the world, delivering high quality product and a deep knowledge of emerging trends in automotive (especially hybrid and electric vehicles) and industrial applications.

TTI brings you the high-quality Nexperia components that are adding efficiency and dependability in automotive, industrial, computing and consumer applications. TTI has a broad and deep inventory of Nexperia components on the shelves and ready to ship.

Reach your local sales team at 1.800.CALL.TTI

Nexperia is an industry leading supplier of discrete, logic and MOSFET semiconductors with its focus on the automotive, industrial, computing, consumer and wearable application markets. Nexperia delivers over 90 billion semiconductor products annually to thousands of customers, either directly and via our channel partners.

Common Applications



Industrial



Smart Phones



Wireless In-Ear



Computers



Wearables



Automotive



UAVs



DSLR Cameras

Analog and Logic ICs

- **Analog ICs**
 - Switches
 - Muxes
- **Interface ICs**
 - Voltage Translators
 - Level Shifters
- **Standard Logic ICs**
 - Gates
 - Buffers/Inverters/Drivers
 - Transceivers
 - Shift Registers

Diodes and Transistors

- **Small-Signal Bipolar Discretes**
 - Switching, Zener and Schottky Diodes
 - General Purpose (GP) Transistors, High-Voltage Transistors
 - RETs (Digital Transistors)
- **Power Bipolar Discretes**
 - Power, Schottky Diodes, Recovery Rectifiers
 - Low V_{CEsat} Transistors
 - GP Power Transistors
 - HV Power Transistors

MOSFETs

- **Automotive Power MOSFETs**
 - N-channel 30 to 100V
 - N-channel 30 to 100V
- **Power MOSFETs (Non-Auto)**
 - N-channel 20 to 200V
 - N-channel 30 to 100V
- **Small-Signal MOSFETs**
 - N-channel 12 to 100V
 - P-channel -70 to 12V
- **High-Voltage GaN MOSFETs**
 $\geq 650V$

Protection and Filtering

- Pure ESD Protection Devices with Standard and Low Capacitance for High-Speed Interfaces
- Surge Protection (TVS) Devices
- Common Mode and EMI Filters
- Application-Specific ESD Solutions



Analog and Logic ICs

Automotive Analog and Logic ICs
 Analog and Bus Switches
 Buffers/Inverters
 Counters/Frequency Dividers
 Digital Decoders/Demultiplexers
 Digital Multiplexers
 Flip-Flops
 Gates
 Latches/Registered Drivers
 Level Shifters/Translators
 Multivibrators
 Schmitt Triggers
 Shift Registers
 Transceivers
 Asynchronous Interface Analog and Logic ICs
 Synchronous Interface Analog and Logic ICs
 Phase-Locked Loops



Bipolar Transistors

Bipolar Switching, and Darlington Transistors
 High performance Transistors (Superior Power Dissipation)
 Dual Transistors
 175°C High Temp Transistors
 High voltage (400V) Transistors
 PNP LED Driver
 NPN LED Driver
 Constant Current Source
 Schmitt Triggers
 Low Noise Transistors
 MOSFET Driver
 Medium Frequency Transistors
 Low V_{CEsat} NPN/PNP up to 2000mW and 175°C
 Low V_{CEsat} Transistors Double
 Low V_{CEsat} Transistors Load Switches
 Low V_{CEsat} High-Voltage Transistors
 Low V_{CEsat} RETs
 Low V_{CEsat} Transistors PNP-N-ch MOSFET Combo
 Resistor Equipped Transistors (RETs) Double 175°C
 3-terminal Adjustable Shunt Regulators



Diodes & ESD

Automotive TVS and ESD Protection
 Automotive Ethernet Protection
 TrEOS Automotive Low Capacitance ESD Protection for High-Speed Interfaces
 Common Mode Filters with Integrated Protection
 RC Low Pass Filters with Integrated Protection



Control Analog and Logic ICs

NAND, NOR, AND, OR Gates Combination Gates
 Configurable Gates
 EXCLUSIVE-NOR or EXCLUSIVE OR Gates
 Digital Comparators
 Parity Generators/Checkers



Diodes

Zener Diodes
 High-Speed Switching Diodes
 High Performance Switching Diodes (175°C Capable and Superior Power Dissipation)
 Controlled Avalanche Switching Diodes
 Low Leakage Current Switching Diodes
 Recovery Rectifiers
 Power SiGE Rectifiers
 Schottky Diodes and Rectifiers



Gallium Nitride (GaN) MOSFETs



MOSFETs

Automotive MOSFETs N-ch 30V-100V
 Automotive MOSFETs P-ch 30V-60V
 Automotive Small-Signal MOSFETs – Dual Power 25V-200V N-ch MOSFETs
 Small-Signal N-ch and P-ch MOSFETs
 Small-Signal Dual and Complementary MOSFETs



Why Buy from the Specialist in Electronic Component Distribution?

Founded in 1971, TTI has steadily grown to become the world's leading interconnect, passive, electromechanical and discrete component distributor in the industry. The company was founded on the premise that passive component purchasing could be made more efficient by offering product specialization, customer-driven service, and proprietary supply chain solutions.



Knowledgeable Product Experts

Specialization allows TTI product managers to provide much better product insight to support your manufacturing from design through production. TTI Specialists' commitment to our customers is key to our continued success.



Broader and Deeper Inventories

TTI maintains extensive component inventories, stocking more than 500,000 part numbers in North America and over 850,000 globally – that's more interconnect, passive, electromechanical and discrete inventory available than from any other source.



AIM - Advanced Inventory Management Platform

TTI's proprietary supply chain system is specifically designed for managing IP&E products and partnerships with premier manufacturers. This allows us to provide the BOM coverage necessary to deploy comprehensive solutions that reduce total cost of ownership and mitigate line down risk.

Quality and Reliability

TTI is the first distributor to have all global warehouse locations ISO registered and currently are certified to ISO 9001 with AS9100C and ISO 14001 in North America, ISO 9001, EN 9100, ISO 14001 and EN 9120 in TTI Europe and ISO 9001 in TTI Asia.

Year after year, customers rate our inventory availability, on-time delivery and accuracy among the very best in the industry – call your local TTI Specialists at 1.800.CALL.TTI and discover why.



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