



presented by  
**EBV Elektronik**  
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Industrial solutions from Nexperia

## Providing highly reliable Discretes, Logic & MOSFETs with long lifecycles for the industrial market

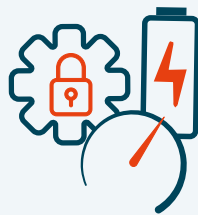
The industrial environment is constantly moving towards stronger energy efficiency, power, miniaturization and system reliability. Nexperia supports these trends for non-stop industrial equipment, reducing the size of various applications while also increasing the power density.

### Industrial applications

- > Motor control
- > LED lighting
- > Building & Home
- > Industrial automation
- > Cameras & controls

### Performance & efficiency

- > Proven solutions
- > Energy efficiency
- > Superior performance



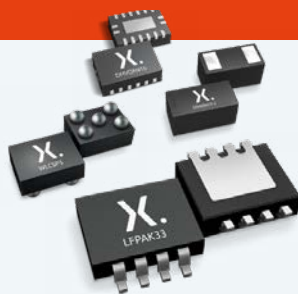
### Reliability & quality

- > AEC-Q101/100 quality
- > Zero defect culture
- > Sub-ppm failure rate
- > Design for excellence program



### Advanced packaging

- > Space, power & thermal optimization
- > Continuous package innovation
- > High-volume manufacturing



### Long-term commitment

- > Over 60 years of expertise in semiconductors
- > Clear longevity program
- > Global partner of choice



[nexperia.com](http://nexperia.com)

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EFFICIENCY WINS.

# Featured Nexperia products for industrial

## Zener diodes

### Miniaturization of power

#### BZX84W-B10

General-purpose Zener diode in an SOT323 leadless very small SMD plastic package



#### PDZ3.0BGW

Single Zener diode series in a SOD123 small SMD plastic package



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## Schottky barrier rectifier

### Downsize footprint, boost performance

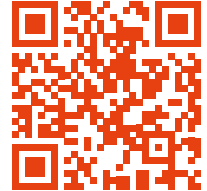
#### PMEG10020AELR

100 V, 2 A low leakage current Schottky barrier rectifier in clip-bonded CFP3 package



#### PMEG6010ELR

60 V, 1 A low leakage current Schottky barrier rectifier in clip-bonded CFP3 package



## ESD Protection, TVS, filtering and signal conditioning

### Interface conditioning and protection

#### PESD5V0U1BA

Ultra low capacitance bidirectional ESD protection diodes in SOD323



#### IP4220CZ6

Dual USB 2.0 integrated ESD protection in a small 6-lead SOT457 SMD package



## Power MOSFETs

### Highest reliability and performance

#### PSMNR70-40SSH

N-channel 40 V, 0.7 m $\Omega$ , 425 Amps continuous, standard level MOSFET in LFPAK88



#### PSMNR69-100YSF

NextPower 100 V, 7 m $\Omega$  N-channel MOSFET in LFPAK56 package



## Small Signal MOSFETs

### Power density in miniaturisation

#### PMGD175XNE

30 V, Dual N-channel Trench MOSFET in a very small SOT363 SMD package



#### PMPB10EN

30 V, N-channel MOSFET in leadless ultra thin DFN2020MD-6 package



## Logic

### Comprehensive portfolio and innovative solutions

#### 74HC4851PW

8-channel analog multiplexer/demultiplexer with injection-current effect control available in TSSOP16 package

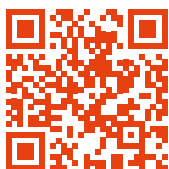


#### 74LVC4T3144PW

4-bit dual supply buffer/line driver; 3-state available in TSSOP14 package



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