

## Connectors

### Product range:

SMD narrow pitch connectors  
FPC connectors

### Application areas:

Mobile communication    Automation technology  
Consumer electronics    Medical equipment  
(display contacting)



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The components and systems of the individual product areas are characterized by the utmost professionalism:

*Electromechanical Relays*  
*PhotoMOS Relays*  
*Solid State Relays*  
*Switches*  
*Connectors*  
*Built-in sensors*  
*Machine Vision*  
*Sensors*  
*UV Curing Systems*  
*PLCs and HMIs*  
*FA Components*  
*Drive Technology*  
*Laser Markers*  
*3D Image Sensing Technology*

They have been developed using the latest technologies.

Tight tolerances, strict quality control and high reliability are just some of the criteria required by industrial applications.

Panasonic not only meets these requirements, but offers in addition a global product range from one source, from individual components to complete systems.

Technology support for advice, design-in, installation and commissioning by our qualified application engineers round off the Panasonic service profile.

*"Panasonic Solutions".  
Save costs, save time,  
secure your lead.*

*The solution lies in the  
overall concept:  
Components, complete  
systems and service from  
one source.*



## Global Network

North America    Europe    Asia Pacific    China    Japan

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## SOLUTIONS BY PANASONIC ELECTRIC WORKS

*Electromechanical Relays*  
*PhotoMOS Relays*  
*Solid State Relays*  
*Switches & Built-in Sensors*  
*Connectors*  
*Machine Vision*  
*UV Curing Systems*  
*Sensors*  
*Laser Markers*  
*PLCs & HMIs*  
*FA Components*  
*Drive Technology*

## Relays

### Product range:

Signal relays  
High-frequency relays  
Power relays  
Automotive relays  
Safety relays  
PhotoMOS relays  
Solid state relays

### Application areas:

Measurement and control engineering  
Radio and television technology  
Industrial control systems  
Consumer and domestic  
Automotive industry  
Safety systems  
Solar technology



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## Switches & Built-in Sensors

### Product range:

**Switches**  
Microswitches (including IP67)  
Miniature switches  
Toggle and rocker switches

**Built-in sensors**  
Acceleration sensors  
Accelerometers  
Light sensors  
PaPIRs motion sensors  
MP / MA motion sensors  
Pressure sensors  
Direct water pressure sensors

### Application areas:

Automotive industry  
Industrial control systems  
Safety technology  
White & brown ware  
Consumer and home entertainment products  
Healthcare products  
Lighting control



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## Machine Vision

## UV Curing Systems

## Sensors

## Laser Markers

## PLCs & HMIs

## FA Components

## Drive Technology

## 3D Image Sensing Technology

### Efficient, 100% quality inspection and process automation

#### Vision sensors

- LightPIX AE20

#### 2D code reader

- Stationary 2D code reader PD60

- Hand held 2D code reader PD65

#### Compact Machine Vision systems

- A100/A200 for gray-scale inspection

- Color and gray-scale system AX40

- High-speed compact system PV310

- Color and gray-scale system PV200

- Ultra high-speed system PV500

#### PC-based Machine Vision systems

- Compact system P400MA-K10

- High-performance P420XD

- Touch-panel based P400P

- Machine Vision software Vision P400

#### Application areas:

Metal processing

Automotive

Electronics

Optics

Engineering

Solar technology

Food and beverages

Packaging

Pharmaceutical/medical

### Powerful and precise UV curing

#### Aicure UJ30/35

Based on cutting edge LED technology the Aicure UJ30/35 is especially suited for precise, high-intensity curing.

- Significantly lower running costs compared to conventional devices with UV lamps
- Short irradiation time and long working distances due to 8,000lm/Watt power
- Flexibility of virtually four independent curing devices in one
- High-precision curing at low temperatures
- Easy, cost-saving installation
- Consistent curing quality, easily reproduced
- Safe, durable and clean operation

#### Application areas:

Automotive

Electronics

Optics

Medical devices

Glass

Metal

Plastics

### Product range:

Photoelectric and laser sensors

Laser and LED analog sensors

Safety light curtains

Safety laser scanners

Inductive proximity sensors

Eddy current sensors

Electrostatic discharge sensors

Ionizers

### Consumable free laser marking to assure traceability

#### CO<sub>2</sub> laser markers

FAY's laser markers

#### Application areas:

Packaging industry

Automotive/automotive supplier industry

Manufacturers of electrical/electronic components

Users of labelling

Pharmaceutical/medical/cosmetic industry

Machinery and plant manufacturers

Glass production and processing

### Product range:

FP-e, FP0 and FP0R compact controllers

FP-X and FP-X (Sigma) high performance compact controllers

FP2 modular controller

FP2SH high performance modular controller

FP-Safe

PLC networks

Operator terminals

Programming software

#### Application areas:

Beverage industry

Mobile data communication

Remote control technology

Conveyor technology

Sewage and waste-water installations

Mechanical engineering

Water management

### Product range:

Timers

Counters

Hour meters

Power meters

Temperature controllers

AC & DC fan motors

Limit switches