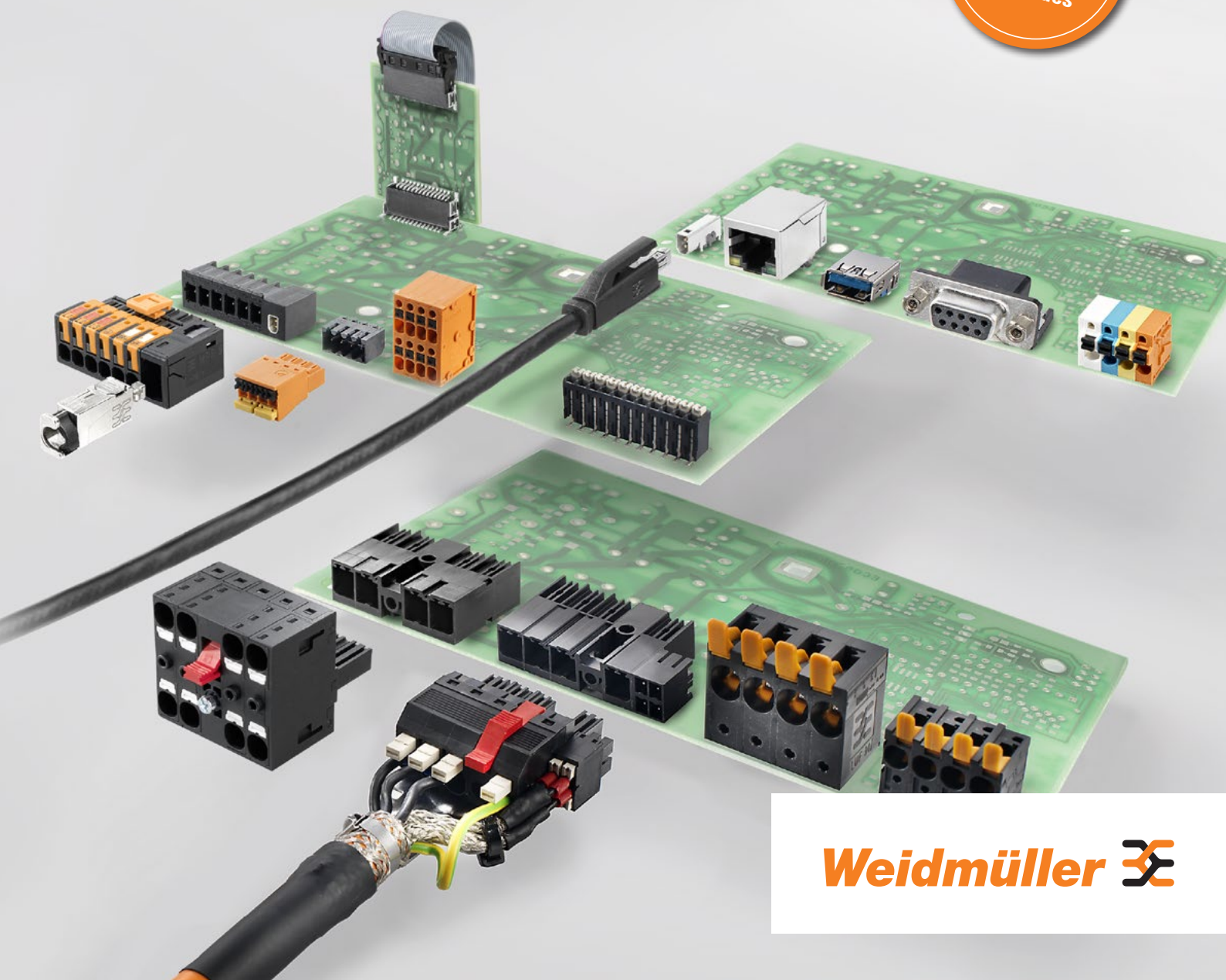


# PCB terminals and connectors

## High-quality components and unique design-in services

OMNIMATE® device connectivity

Product  
catalog with  
webcodes



**Weidmüller** 

# Device developments designed with unique efficiency

## OMNIMATE® during a typical device development phase

Efficient planning and design-in processes save you valuable time in product development. In addition to our PCB components, we offer a wide range of support tools and services.



### Introductory video

We offer customised services for every step of your device development process, from obtaining initial information to plug-in connector installation in the field. OMNIMATE® services help you to reduce your project costs and time to market in a targeted way.

**Webcode #11555**



### Installation videos

A handling video is available for each of our articles – scan a QR code on the product or its packaging to open them.

The videos provide you with useful handling information step by step, making installation even easier, safer, and more convenient for you.

**Webcode #11556**



### eShop

Our eShop helps you to quickly find the right products for your projects and easily place orders.

View individual pricing calculations with corresponding agreements, and receive delivery information in real-time.

**Webcode #11557**

## 24/7 Online-Services

The right know-how at any time, helpful support and reliable services for your device development.

[www.weidmueller.com/omnimate-services](http://www.weidmueller.com/omnimate-services)



### ConnectorGuide

This online tool allows us to offer precise product recommendations with just a few clicks. There are two ways to use the tool: simply select a.) "Search by Application" or b.) "Search by Product", and the ConnectorGuide recommends custom-tailored connection solutions to you.

Webcode #01171



### 72h sample service

With the sample service, you receive your personal design-in sample within just 72 hours. The service is available for free worldwide, and without prior registration.

Webcode #01162

### Product configurator

The configurator allows you to easily configure our modular SNAP IN products. You can mark them with symbols & colours or generate hybrid plug-in connectors by combining power, signal & data connections from individual modules. All necessary engineering and free product samples are also available in just a few clicks.

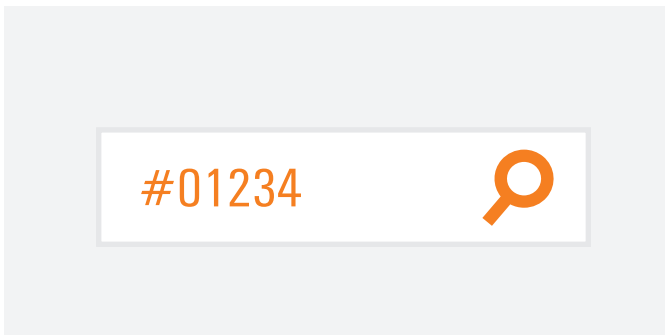
Webcode #11558

# Many ways lead to the right product

## Our online services as process-optimisation tools

There is more than one route to the final layout. Our support concept will assist you in all of your search and selection options.

Weidmüller has fundamentally re-designed the selection and ordering process for device connectivity in a way that better suits your application. In the future, there'll no longer be just the one path to the right product; there'll just be the right path: yours.



### Webcode selection

For an application, you need certain specifications for certain products. Our new webcode allows you to go directly to the relevant products: simply choose the required product from the following pages and enter the hashtag with five-digit code on our website, and you'll be directed to the relevant details.

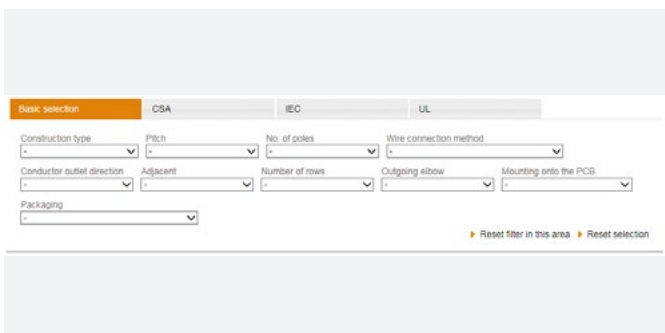
[www.weidmueller.com](http://www.weidmueller.com)



### The ConnectorGuide

When working with applications, you'll need to find ways of successfully implementing your ideas. Simply select your device application in our ConnectorGuide, and we will recommend a range of products for all the different functions of your device.

Webcode #01171



### Specification filters

In our online catalog in the area of device connectivity, you filter the right product in seconds using your product and application requirements.

Webcode #11534

#11530

#01028

#01052

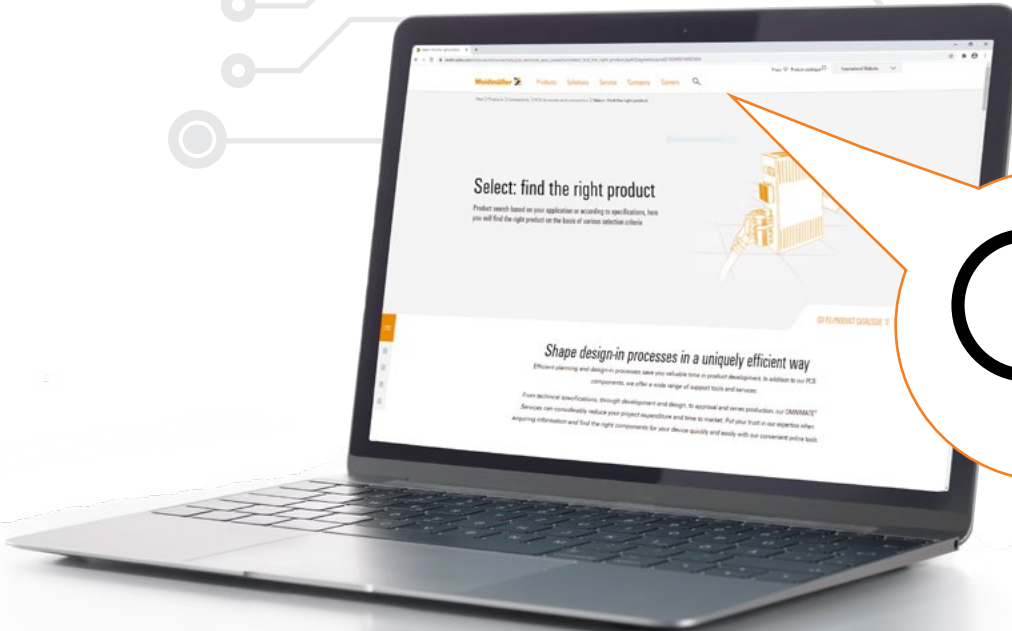
#01072

#01116

#01160

#11581

#01056



## Webcode: the hashtag for easy product searching

A hashtag followed by five digits – that's all you need to find out detailed information about the products in our wide-ranging portfolio. Entering the sequence of characters activates certain product groups or an individual product.

### **Where can I find the webcode?**

Next to the product, either in this brochure or online.

### **Where do I enter the webcode?**

Just enter the code into the search screen on our website. \*

### **Where will I be directed to once I've entered the webcode?**

You'll be taken to the product specifications and technical details, as well as additional info and downloads.

\* Note: Make sure that the pop-up blocker settings are disabled

# Your device application

## Our ConnectorGuide for device developers

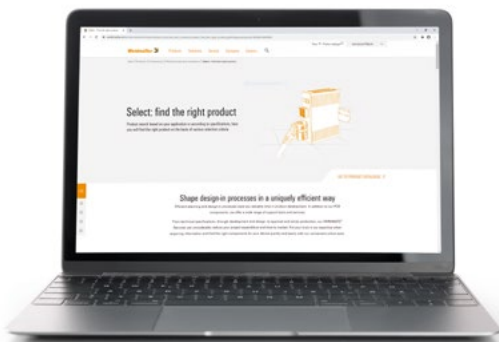
Based on your application, the ConnectorGuide will show you a representative range of products for the different functions of your device.

The overview will show you the application as you know it. Move the cursor over the markings to find out information on the connection technology for sub-assemblies and components. And it's just a few more clicks from here to your desired product.



### ConnectorGuide

Simply select your device application in our ConnectorGuide, and we will recommend a range of products for all the different functions of your device.  
[www.weidmueller.com/appguide](http://www.weidmueller.com/appguide)



### 1. Open the ConnectorGuide

Go to: [www.weidmueller.com/appguide](http://www.weidmueller.com/appguide) or use the **Webcode #01171**

### 2. Select the application

Hotspots will show you the way to our recommended products

# Go directly to your application with the webcode



Industrial controls



Drive controllers and regulators



Devices of machine safety



Analogue signal converter



Photovoltaic inverter



Power supply



Radio base stations



Heating electronics



Building security equipment



LED lighting systems



Elevator electronics devices



Smart Meter



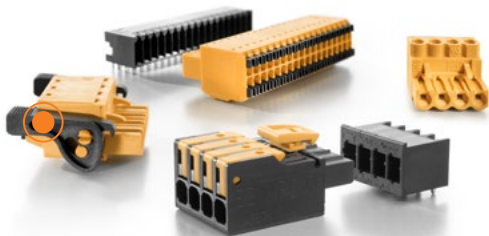
Industrial IoT Network



Charging infrastructure for e-mobility



Energy Storage



### 3. Select product group

Use the hotspots to find the perfect products for your applications

### 4. Receive the product

Configure your selection and use the available functions of our online catalogue

# An example of the OMNIMATE® Power device connection method in a frequency converter application.

Semiconductor technology for power electronics has progressed at a steady pace in the last few years enabling more complex drive controllers to be manufactured, e.g. for rotational speed controllers or for precise positioning systems. So it's more important than ever to take advantage of connection technology that you can trust now and in the future.



We specialise in industrial connectivity; our connectivity solutions for the power electronics sector are backed by our comprehensive, real-world expertise. We understand the extremely demanding requirements for the servo-controllers and frequency inverters that are common in this business. Voltages of 400 to 690 V (according to IEC) and 600 V (according to UL), and up to 1,000 V in DC circuits, are not uncommon for such equipment. That is why you require high current-carrying capacity implemented in the most compact space possible. We can provide superior connectivity solutions to meet these challenging requirements.

You will be impressed with the vast range of our OMNIMATE® product line. Our OMNIMATE® Signal, OMNIMATE® Power, OMNIMATE® Housings and FieldPower® series offer you a choice range of products and the ideal connectivity solution for your application. We also support you with free 3D CAD files, which can be downloaded from the Weidmüller Online Configurator. In addition our unique, convenient and quick 72-hour OMNIMATE® sample service guarantees your design project stays on schedule. This service is convenient and quick to use – you receive the requested samples within 72 hours.

### Network connection

Industry compliant plugs and sockets with the innovative Single Pair Ethernet technology.



### Motor connection compact

Modular and hybrid system for the construction of connectors for data, signals and power. Fast, secure and tool-free wiring thanks to the unique SNAP IN connection.

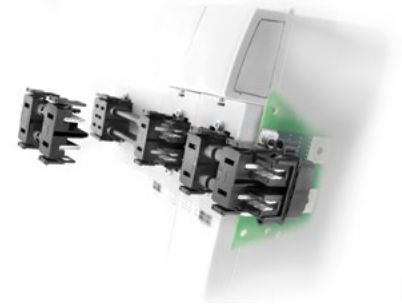




**Safety circuit / External I/Os**  
PCB terminals and connectors with  
PUSH IN or screw connection



**Intermediate circuits (DC-Link)**  
Device feedthrough terminals for direct connections, PCB terminals, connectors carrying high voltages safely



**Power supply**  
High-performance connectors and terminals for circuit boards; terminals for feeding through housing walls



**Motor connections**  
Convenient and standardised motor connections: hybrid motor plugs, soldered feedthrough terminals and PCB terminals blocks



# Industrial IoT network as a reference for OMNIMATE® Data device connection technology

Ethernet devices such as switches, safety routers or IoT gateways are perfect communication components within an industrial network. For simple to complex real-time networks in plant and machine construction, different categories of devices are used. They form a perfect platform in the industrial environment and its connection to superordinate office networks and cloud services. In order for the communication between Ethernet-capable devices to function smoothly, high-performance connectors are required that can withstand the high requirements in terms of EMC and temperature resistance.



**Service Interface**  
Standardised connector such as USB (type A, B or C) for serial interfaces.



**Ethernet-Ports**  
High-performance connectors for data transmission including a wide range of Single Pair Ethernet products for miniaturization and future security.



**Input and output signals**

PCB terminal blocks and connectors with a pitch of 3.50 to 5.08 mm with PUSH IN connection and high packing density



**Power Supply**

Intuitive connectors with visual connection indicators or supply of neighbouring components by means of cross-connections.



**Internal board connection**

Industry-compatible board-to-board connectors, which are specially designed for the fully automatic assembly process, ensure flexible and at the same time stable connections between circuit boards in the device.



# OMNIMATE® 4.0 – Fast. Flexible. Digital.

## SNAP IN connectivity solutions for pioneers

The demands on the development of electrical devices are constantly increasing. This leads to higher complexity and challenges device developers. OMNIMATE® 4.0 is the efficient solution for a continuous, digitalised device development process for the connected world of tomorrow.

OMNIMATE® 4.0 combines three innovations in one: super-fast wire connection technology, modular product design and a fastest possible delivery. The innovative SNAP IN connection technology allows even flexible conductors without ferrules to be connected easily without tools. An indicator signals the secure connection both acoustically and visually. The modular product concept of OMNIMATE® 4.0 enables flexible configuration via the Weidmüller Configurator (WMC) for the design of your next generation devices with reduced engineering efforts and all relevant digital data. Through this combination of modularity and a digital value chain even highly individual products are ready to be shipped within 3 days – from samples to product series.





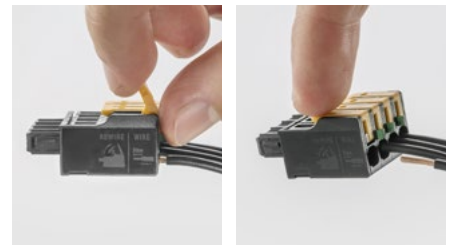
### Maximum wiring speed

The innovative SNAP IN connection enables secure wiring in record time. With SNAP IN even flexible conductors without ferrules can be connected intuitively and completely tool-free - even in fully automated wiring processes.



### Hearable and visible feedback

OMNIMATE® 4.0 with the visual safety indicator gives you direct feedback of the clamping situation. Beside a hearable "click" the green visual safety indicator increase the security of the proper wiring of the connector.



### Easy and intuitive handling

The easy and one-hand usable topflange fixes the product and prevents undesired disconnection. The tool-less re-wiring with the lever function brings the handling to a new level.

Learn more about the the game changer  
in the connector market.  
[www.weidmueller.com/omnimate40](http://www.weidmueller.com/omnimate40)



# OMNIMATE® 4.0 in the Weidmüller Configurator

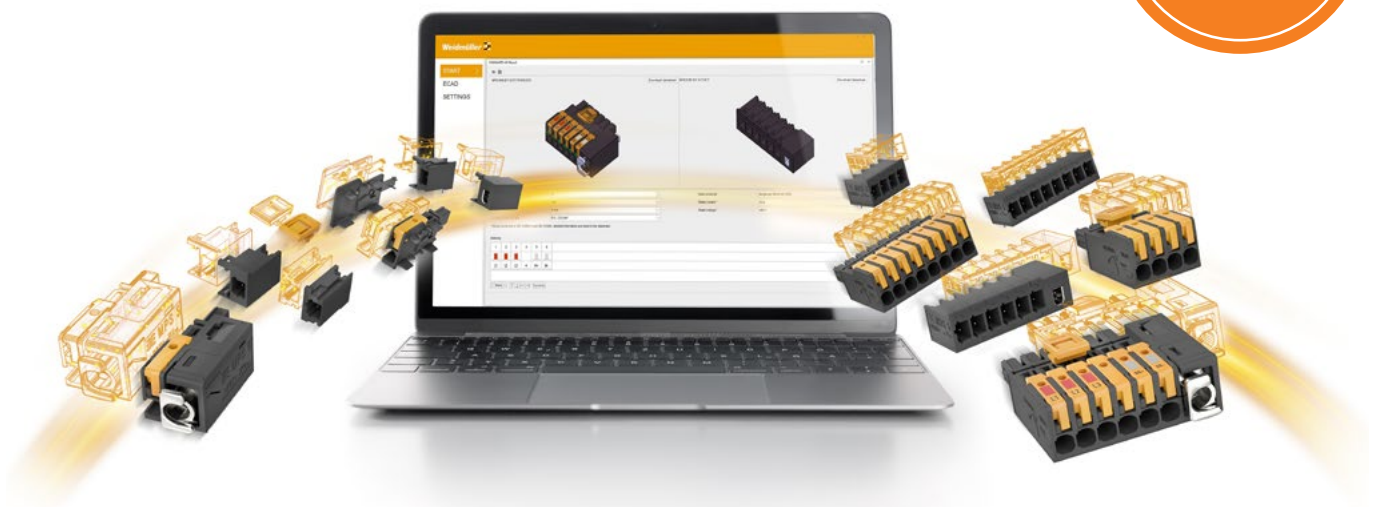
Create your own configuration



You are looking for a specific solution perfectly fitting to your individual devices and their requirements.

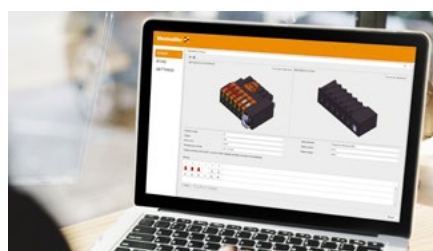
The modular product concept of OMNIMATE® 4.0 enables flexible configuration and request via the Weidmüller Configurator (WMC). The software tool significantly reduces your efforts and speeds up your engineering processes from product specification to the individual offer within minutes. Digital engineering can be as simple as that.

Webcode  
#11537



## Integrated future-proof technologies

The modular design of OMNIMATE® 4.0 provides a flexible product portfolio with unlimited variations. The individual configuration in the Weidmüller Configurator realized hybrid connectors with the next generation technology Single Pair Ethernet (SPE).



## Highest flexibility for your application

The Weidmüller Configurator (WMC) reduce your engineering efforts with the intuitive usability as well as the realtime feedback of your configuration. The configured product can be requested directly and the offer preparation will be automatically done within minutes.

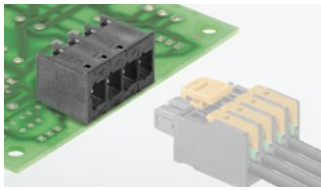


## Full Design-in support

OMNIMATE® 4.0 brings the full design-in support for device manufacturer. That covers the ready configuration according to the requirements of your application as well as the provision of all digital engineering data. The availability of free samples within 3 days and the support with handling videos fulfills the OMNIMATE® services.

# OMNIMATE® 4.0– SNAP IN Connection solutions

## PCB terminals Pitch 5.00 mm

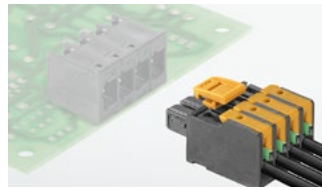


**Webcode # 11530**

### MHS 5

Male connector with 90°, 180° and 270° outlet direction for wave and reflow processes.

- Male header
- Pitch: 5.00 mm
- Number of poles: 2–12
- IEC: 400 V / 26.8 A
- UL: 300 V / 18.5 A



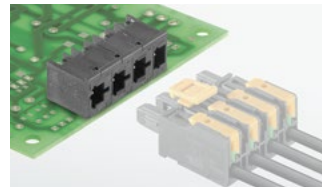
**Webcode # 11531**

### MPS 5

Female plug with 180° outlet direction, SNAP IN connection technology and optional self-locking top flange.

- SNAP IN connection
- Pitch: 5.00 mm
- Number of poles: 2–12
- IEC: 400 V / 26.8 A / 0.5–4 mm<sup>2</sup>
- UL: 300 V / 18.5 A / AWG 20–12/7/9

## PCB terminals Pitch 7.50 mm

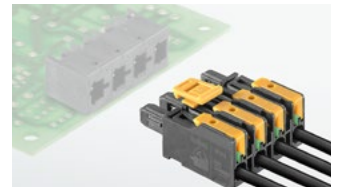


**Webcode # 11539**

### MHS 7S

Male connector with 90°, 180° and 270° outlet direction for wave and reflow processes.

- Male connector
- Grid: 7.50 mm
- Number of poles: 2–12
- IEC: 630 V / 26.8 A
- UL: 300 V / 18.5 A"



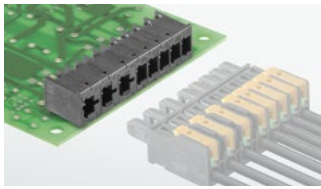
**Webcode # 11540**

### MPS 7S

Female plug with 180° outlet direction, SNAP IN connection system and optional self-locking top flange.

- SNAP IN connection system
- Grid: 7.50 mm
- Number of poles: 2–12
- IEC: 1000 V / 26.8 A / 0.5–4 mm<sup>2</sup>
- UL: 600 V / 18.5 A / AWG 20–12/7/9

## PCB terminals Pitch 7.50 mm + pitch 5.00 mm (Hybrid)

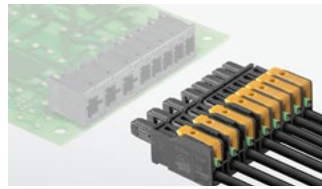


**Webcode # 11541**

### MHS 7S/.. 5

Hybrid male connector consisting of power and signal interfaces for wave and reflow processes.

- Male connector
- Grid: 7.50 mm and 5.00 mm
- Number of poles: 2–12
- IEC: 630 V / 26.8 A
- UL: 300 V / 18.5 A



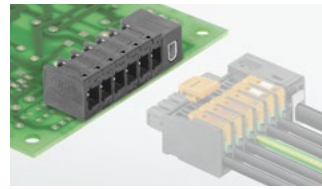
**Webcode # 11542**

### MPS 7S/.. 5

Hybrid female plug with 180° outlet direction, SNAP IN connection system and optional self-locking top flange.

- SNAP IN connection system
- Grid: 7.50 mm and 5.00 mm
- Number of poles: 2–12
- IEC: 1000 V / 26.8 A / 0.5–4 mm<sup>2</sup>
- UL: 600 V / 18.5 A / AWG 20–12/7/9"

## PCB terminals Pitch 5.00 mm + Single Pair Ethernet (Hybrid)

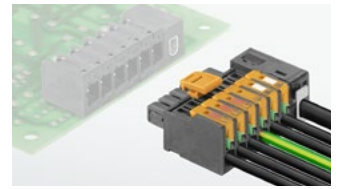


**Webcode # 11532**

### MHS 5/.. D11

Hybrid male connector with integrated Single Pair Ethernet (SPE) data connection for wave and reflow processes..

- Male header
- Pitch: 5.00 mm
- Number of poles: 2–12
- IEC: 400 V / 26.8 A
- UL: 300 V / 18.5 A



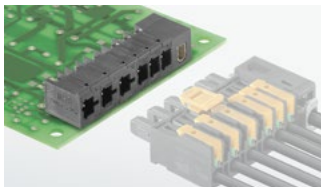
**Webcode # 11533**

### MPS 5/.. D11

Hybrid female plug with SNAP IN connection technology and field attachable Single Pair Ethernet data connector.

- SNAP IN connection
- Pitch: 5.00 mm
- Number of poles: 2–12
- IEC: 400 V / 26.8 A / 0.5–4 mm<sup>2</sup>
- UL: 300 V / 18.5 A / AWG 20–12/7/9

## PCB terminals Pitch 7.50 mm + pitch 5.00 mm + Single Pair Ethernet (Hybrid)

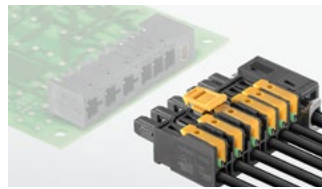


**Webcode # 11543**

### MHS 7S/.. 5/.. D11

Hybrid male connector consisting of power, signal and data interfaces for wave and reflow processes.

- Male connector
- Grid: 7.50 mm and 5.00 mm
- Number of poles: 2–12
- IEC: 630 V / 26.8 A
- UL: 300 V / 18.5 A



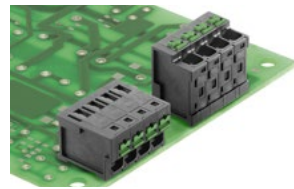
**Webcode # 11544**

### MPS 7S/.. 5/.. D11

Hybrid female plug with SNAP IN connection system and field-terminable Single Pair Ethernet data connector.

- SNAP IN connection system
- Grid: 7.50 mm and 5.00 mm
- Number of poles: 2–12
- IEC: 1000 V / 26.8 A / 0.5–4 mm<sup>2</sup>
- UL: 600 V / 18.5 A / AWG 20–12/7/9

## PCB terminals Pitch 5.00 mm



**Webcode # 11571**

### MTS 5/..T4 B T

PCB terminal block with SNAP IN connection system for wave soldering processes.

- SNAP IN connection system
- Grid: 5.00 mm
- Number of poles: 2–12
- IEC: 400 V / 32 A / 0.5 – 4.0 mm<sup>2</sup>
- UL: 300 V / 18.5 A



Learn more about our digital engineering possibilities with unique services over the Weidmüller Configurator (WMC).

[www.weidmueller.com/configurator](http://www.weidmueller.com/configurator)

# Single Pair Ethernet

## Data connection for the factory of the future

In the factory of the future, machines and systems will be connected to each other consistently via a data infrastructure. These cyber-physical systems can act independently in the Industrial Internet of Things (IIoT), communicate in real time, and control production processes. In order to enable this, a continuous network with high-performance data connections from the sensor to the cloud is required. This pushes conventional Ethernet systems to their limits.

Single Pair Ethernet (SPE) facilitates the extension of the Ethernet to the sensor. It is compact, flexible, and enables high ranges. SPE provides for the extension of existing installations and supports consistent communication. Indeed, SPE is considered by Weidmüller as the missing component needed to close the current gap in the supply of standard Ethernet at field level.

SPE runs at the same transmission speeds as conventional Ethernet but with data lines up to 1,000 m in length. Together with other new technologies like 5G, SPE enables both continuous IP communication between the server and the cloud, as well as supplying up to 60 Watts of power in complex IIoT solutions through PoDL (Power over Data Line).



Learn more about our next generation  
of IIoT-oriented Ethernet within  
the connected world of today and tomorrow.  
[www.weidmueller.com/spe](http://www.weidmueller.com/spe)





# OMNIMATE® Data

## Single Pair Ethernet Connectors

- Devices can become significantly smaller - Most compact design for implementing IIoT devices (saving of > 50 %)
- Vibration-proof and insensitive to electromagnetic influences - Particularly robust, industry-compatible construction
- The colour-coded two-wire connection technology saves installation time and avoids connection errors - User-friendly structure for safe and quick installation
- Suitable for IIoT, corresponds to the latest IEEE / IEC standards for data rates from 10Mbit/s to 1Gbit/s. - High future security through compliance with international standards
- Safe locking - Even in the smallest installation space, a robust locking mechanism up to 50N is ensured (acoustic feedback during the mating process)
- Reliable process - Troublefree assembly due to sharpened pin geometry, guide posts and Tape on Reel packaging

### OMNIMATE® Data – Single Pair Ethernet connector

#### SPE Connector, IP20



#### Webcode # 11523

##### IE-PCB-SP0-P-90V-THR

Angled (90°) Single-Pair PCB male header for IP20

- Reflow-soldering (THR)
- Robust housing with metal snap-in mechanism
- Shielded and reinforced contacts (PdNi)
- Performance Category: up to 1Gbit/s
- Plugging cycles: 750
- Packaging in ToR



#### Webcode # 11550

##### IE-PCB-SP0-P-90V-THR-YG/YG

Angled (90°) Single-Pair PCB male header for IP20 incl. LED

- Reflow-soldering (THR)
- Robust housing with metal snap-in mechanism
- Shielded and reinforced contacts (PdNi)
- Performance Category: up to 1Gbit/s
- Plugging cycles: 750
- Packaging in ToR



#### Webcode # 11551

##### IE-PCB-SP0-P-180V-THR

Straight (180°) Single-Pair PCB male header for IP20

- Reflow-soldering (THR)
- Robust housing with metal snap-in mechanism
- Shielded and reinforced contacts (PdNi)
- Performance Category: up to 1Gbit/s
- Plugging cycles: 750
- Packaging in ToR



#### Webcode # 11552

##### IE-S1DS2VE00..TO..

Overmoulded single-pair patch cable for IP20

- Pre-assembled patch cables
- Industrial design metal snap-in locking hook
- Shielded and reinforced contacts
- Performance Category: up to 1Gbit/s
- Plugging cycles: 750
- Packaging in bag

#### SPE Connector, IP20



#### Webcode # 11545

##### IE-PS-SP0-S-FH-180

Single-Pair IDC Plug for IP20

- field attachable IDC plug
- Industry standard plug with metal Snap-in hooks locking
- Shielded and reinforced contacts
- Performance Category: up to 1Gbit/s
- Plugging cycles: 750
- Packaging in ToR

#### SPE Connector, IP67



#### Webcode # 11546

##### IE-PCB-SPM..

Straight (180°) and angled (90°) Single-Pair PCB connector for IP67

- M8 Connector
- Reflow-soldering (THR) and SMT
- Front and rear wll mounting possible
- Performance Category: up to 1Gbit/s
- Packaging in ToR



#### Webcode # 11546

##### IE-S1DS2VE00..TM..

Overmoulded single-pair patch cable for IP67

- M8 Connector
- Inverse M8 System possible (PoDL coding)
- Performance Category: up to 1Gbit/s
- Packaging in bag

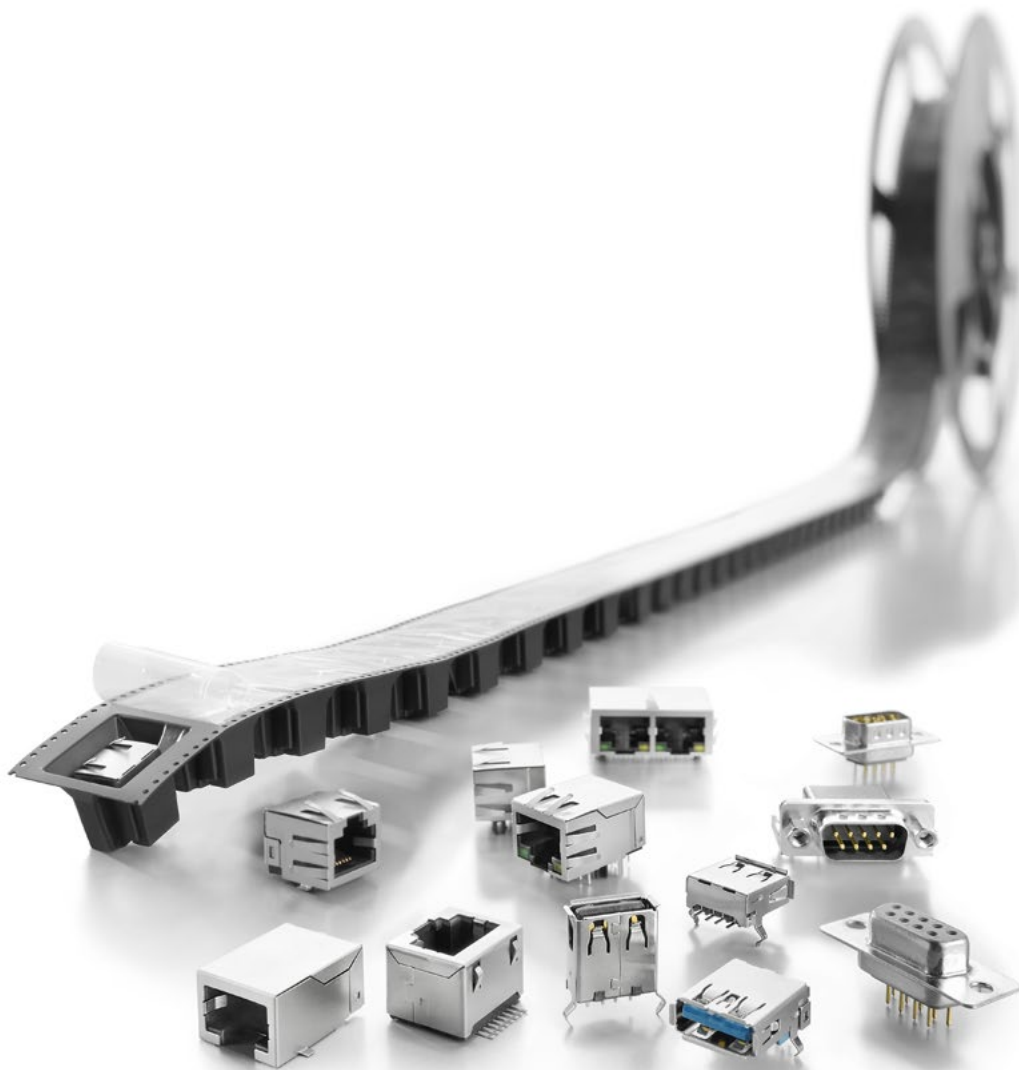
## OMNIMATE® Data

### Reliable data interfaces for your device

Plug-in connectors and jacks for data transmission are already an integral part of the future-proof device design. In the industrial environment, they have to stand up to exacting requirements and the ever-increasing data transmission rates demand high-quality on individual components.

The Weidmüller data connectors provide convincing solutions. PCB jacks for RJ45 and USB as well as Ethernet-APL components ensure a safe and efficient interface to your device.

The fully shielded product range boasts high levels of electromagnetic compatibility, caters to all established outlet angles, and includes latching hooks on the top and bottom as well as an innovative **STEADYTEC®** connection system for an industry-standard design.





### **OMNIMATE® Data** **RJ45 modular and transformer jacks**

- Future-proof transmission characteristics up to Cat 6 standard for a data rate of up to 1Gbit/s
- Electromagnetic compatibility and protection through 360° shielding
- RJ45 transformer jacks with integrated "magnetics" actively counteract faults and save space on the board
- Reinforced gold layer improves corrosion protection, reduces contact problems and guarantees a long service life



### **OMNIMATE® Data** **USB PCB jacks**

- Robust plug & play operation - connect and disconnect without shutting down or restarting the system
- Reinforced gold surface - up to 10,000 plugging cycles meet the requirements for high resistance
- High rated current of up to 1.5 A provides sufficient safety reserves with a maximum charging current of 0.9 A
- USB 3.1 sockets support data rates of 10 Gbit/s for fast data transfer
- USB-C sockets enable error-free plugging due to a symmetrical design



### **OMNIMATE® Data** **Ethernet-APL components**

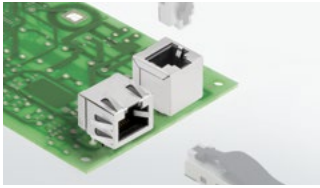
- Ethernet APL compliant connection from the PCB to the field
- 10 Mbit/s communication for long ranges according to IEEE 802.3cg-2019
- PoDL (Power over data line) remote power supply according to IEEE 802.3bu
- Available with PUSH IN, SNAP IN, clamping yoke or tension spring connection
- Suitable for THT and THR soldering processes with space and weight saving design

Learn more about our plug-in jack  
for data transmission in  
Industrial Ethernet environment.  
[www.weidmueller.com/omnimate-data](http://www.weidmueller.com/omnimate-data)



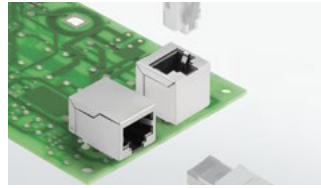
# OMNIMATE® Data – PCB jacks and plug-in connectors

## PCB modular jack



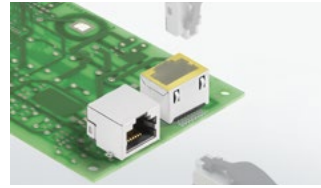
**Webcode # 11413**  
**RJ45 solder connection for (THT)**  
 PCB jack for wave soldering process

- Outlet direction: 90° and 180°
- Catch mechanism: up and down
- Performance Category: up to Cat 6
- Plugging cycles: 750
- With / without LEDs



**Webcode # 11414**  
**RJ45 solder connection (THR)**  
 PCB jack for reflow and wave soldering process

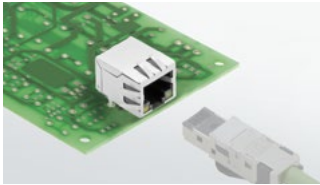
- Outlet direction: 90° and 180°
- Catch mechanism: up and down
- Performance Category: up to Cat 6
- Plugging cycles: 750
- With / without LEDs



**Webcode # 11415**  
**RJ45 solder connection for (SMT)**  
 PCB jack for reflow soldering process

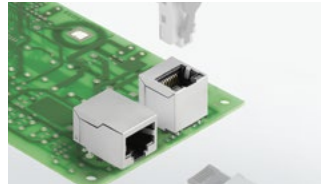
- Outlet direction: 90° and 180°
- Catch mechanism: up and down
- Performance Category: up to Cat 5
- Plugging cycles: 750
- With / without LEDs

## RJ45 transformer jacks



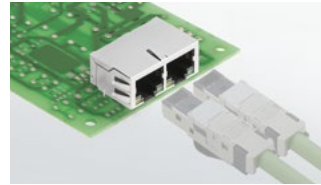
**Webcode # 11416**  
**RJ45 solder connection for (THT)**  
 PCB jack for wave soldering process

- Integrated magnetics
- Outlet direction: 90°
- Catch mechanism: up and down
- Performance Category: up to 1Gbit/s
- Plugging cycles: 750



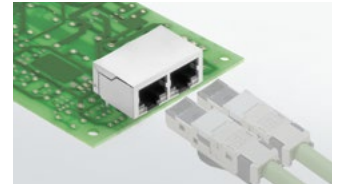
**Webcode # 11417**  
**RJ45 solder connection (THR)**  
 PCB jack for reflow and wave soldering process

- Integrated magnetics
- Outlet direction: 90° and 180°
- Catch mechanism: up and down
- Performance Category: up to 1Gbit/s
- Plugging cycles: 750
- With / without LEDs



**Webcode # 11418**  
**RJ45 solder connection (THT) multipoint**  
 PCB jack for wave soldering process

- Integrated magnetics
- Outlet direction: 90°
- Catch mechanism: up and down
- Performance Category: up to 1Gbit/s
- Plugging cycles: 750
- With / without LEDs



**Webcode # 11419**  
**RJ45 solder connection (THR) multipoint**  
 PCB jack for wave soldering process

- Integrated magnetics
- Outlet direction: 90°
- Catch mechanism: up and down
- Performance Category: up to 1Gbit/s
- Plugging cycles: 750
- With / without LEDs

## Plug-in connectors



**Webcode # 11312**  
**RJ45 connector „steadytec“**  
 Tool-free and field-attachable plug for Industrial Ethernet

- IDC connection, 4-8-core
- Outlet direction: 180°
- Category: Cat.5 and Cat.6A
- AWG 26...AWG 22 / 0.48...0.76 mm²

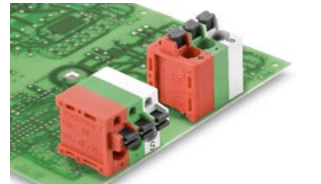
## Patch cable



**Webcode # 11313**  
**RJ45 patch cable**  
 Freely configurable RJ45 cable in a wide range of colours

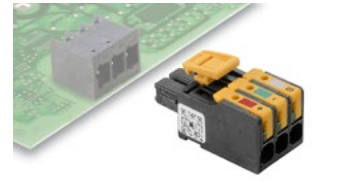
- Protected latching hook, 8-core
- Outlet direction: 90°, 180° and 270°
- Category: Cat.6A

## Ethernet-APL components



**Webcode # 11572**  
**LMF APL 5.00**  
 PCB terminal for Ethernet APL-compliant data transmission

- PUSH IN spring connection
- Outlet direction: 90° and 180°
- Number of poles: 3
- Pitch 5.00 mm
- Ethernet-APL compliant

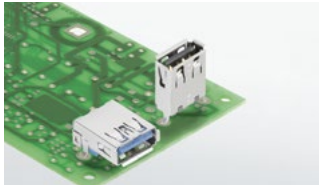


**Webcode # 11573**  
**MPS APL 5**  
 PCB plug-in connector for Ethernet APL-compliant data transmission

- SNAP IN connection
- Outlet direction: 180°
- Number of poles: 3
- Pitch 5.00 mm
- Ethernet-APL compliant

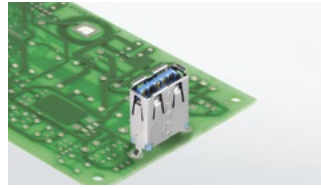
## OMNIMATE® Data – PCB jacks and plug-in connectors

### USB jacks



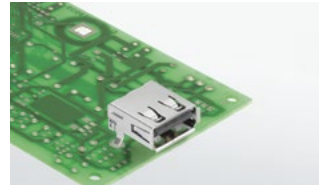
**Webcode # 11420**  
**USB 3.0/2.0 solder connection (THT)**  
 PCB jack for wave soldering process

- Outlet direction: 90° and 180°
- Performance Category: up to 5 Gbit/s
- Plugging cycles: ≥1.500
- Packed in tray



**Webcode # 11421**  
**USB 3.0 solder connection (THR)**  
 PCB jack for reflow and wave soldering process

- Outlet direction: 180°
- Performance Category: up to 5 Gbit/s
- Plugging cycles: ≥1.500
- Packed in tray or ToR



**Webcode # 11422**  
**USB 2.0 solder connection for (SMT)**  
 PCB jack for reflow soldering process (SMT)

- Outlet direction: 90°
- Performance Category: up to 5 Gbit/s
- Plugging cycles: ≥1.500
- Packed in ToR

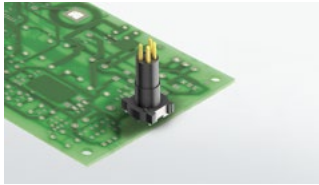


**Webcode # 11562**  
**USB 3.1 solder connection for (SMT)**  
 PCB jack for reflow process (SMT)

- Outlet direction: 90° and 180°
- Performance Category: up to 10 Gbit/s
- Plugging cycles: ≥10.000
- Packed in ToR

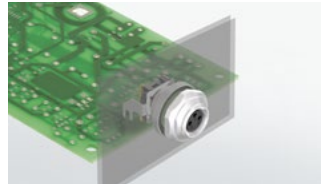
## OMNIMATE® Data – M8 and M12 PCB jacks

### M8



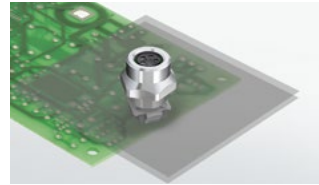
**Webcode # 11364**  
**M8 Dome (individual part)**  
 PCB circular connector for automatic assembly and M8 threads.

- Number of poles: 3, 4, 8
- Female and male contact
- SMT, THR
- Shielded and unshielded



**Webcode # 11366**  
**M8 Front mounting**  
 PCB circular connector with M8 thread for front mounting.

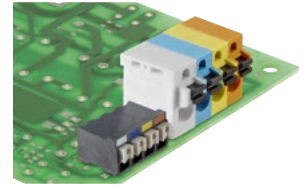
- Number of poles: 3, 4, 8
- Female and male contact
- Outlet direction: 180°
- Shielded and unshielded



**Webcode # 11368**  
**M8 Rear panel mounting**  
 PCB circular connector with M8 thread for rear panel mounting.

- Number of poles: 3, 4, 8
- Female and male contact
- Outlet direction: 90°, 180°
- Shielded and unshielded

### Ethernet terminal



**Webcode # 11527**  
**LSF-SMT and LMF**  
 PCB terminal for Ethernet-compliant data transmission e.g. for PROFINET (up to 100Mbps)

- PUSH IN spring connection
- Pitch: 3.50, 3.81 and 5.08 mm
- Number of poles: 4
- For all IIoT devices

### M12



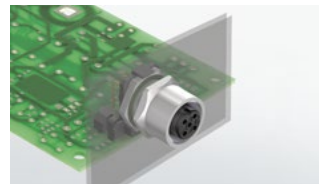
**Webcode # 11352**  
**M12 Dome (individual part)**  
 PCB circular connector for automatic assembly and M12 threads.

- Number of poles: 4, 5, 8
- Female and male contact
- SMT
- Shielded and unshielded
- Coding: A, B, D



**Webcode # 11354**  
**M12 Front mounting**  
 PCB circular connector with M12 thread for front mounting.

- Number of poles: 4, 5, 8
- Female and male contact
- Outlet direction: 90°, 180°
- Shielded and unshielded
- Coding: A, B, D, X



**Webcode # 11356**  
**M12 Front mounting**  
 PCB circular connector with M12 thread for front mounting.

- Number of poles: 4, 5, 8
- Female and male contact
- Outlet direction: 90°, 180°
- Shielded and unshielded
- Coding: A, B, D, X

### SAI plugs and cables



**Webcode # 11529**  
**SAI round plug-in connectors and cables**  
 High IP rated connectivity range of M5, M8, M12, M16 and M23

- Different codings like A, B and D
- Up to protection degree IP 69K
- For mechanically and chemically stressed applications

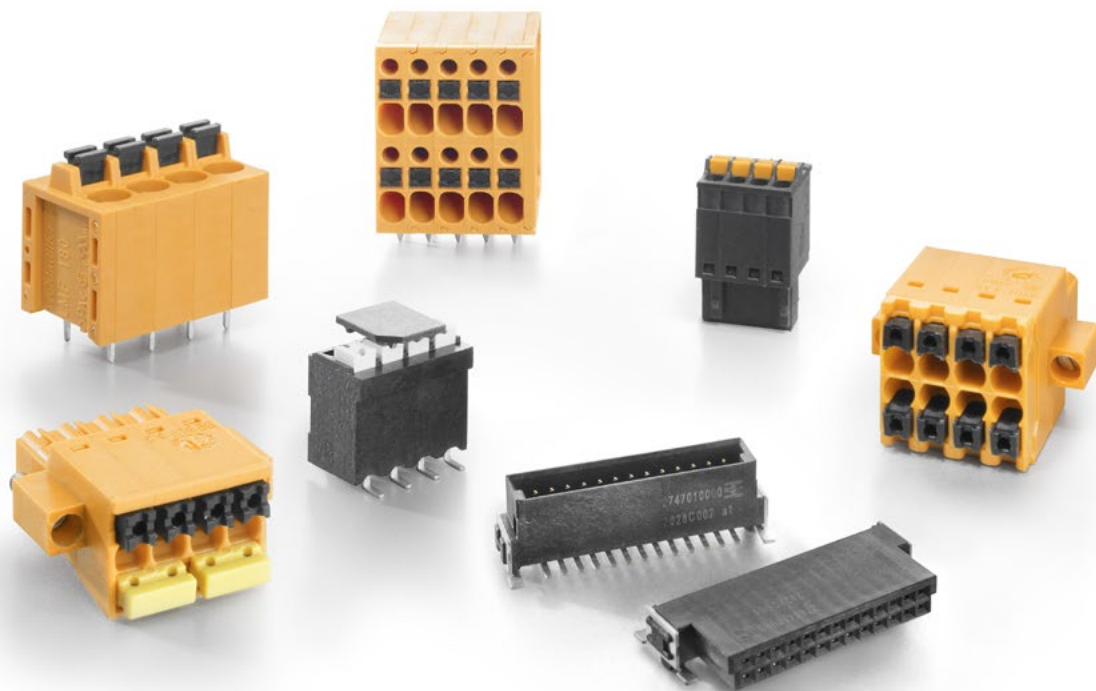
# OMNIMATE® Signal

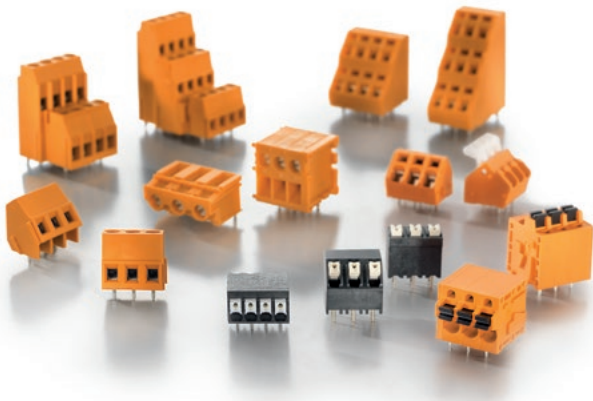
## Transmit numerous signals in the smallest possible space

A reliable device connection is an absolute must for your customised applications. With OMNIMATE® Signal, we can now offer you the right PCB-connection to meet your exact requirements.

You can choose from a product range that includes compact PCB terminals and connectors, which, thanks to intelligent locking concepts and high-performance connection systems, provides your design-in process with a wide range of application-specific solutions.

We have also not forgotten about your production processes when formulating our product range, as our THR and SMD components ensure the highest productivity levels during the reflow soldering process.





### OMNIMATE® Signal PCB terminals



- Application-oriented connection systems ranging from clamping yoke screw connections to PUSH IN spring connections in all relevant cross-section ranges up to 6 mm<sup>2</sup>
- Can be used universally in all standard pitches from 3.50 mm to 7.62 mm
- A wide range of reflow-compatible products for automated SMT processes
- Compact, multi-layer designs up to 72-pole



### OMNIMATE® Signal PCB plug-in connectors



- Compact at 2.50 mm pitch  
36 connections at 3.50 mm pitch, highest level of power reserves at 3.81 mm pitch and largest application area at 5.08 mm pitch
- Application-oriented connection systems ranging from clamping yoke screw connections to PUSH IN spring connections.
- A wide range of reflow-compatible products for automated SMT processes
- Multi-row and multi-layer designs up to 48-pole



### OMNIMATE® Signal Board-to-Board connectors

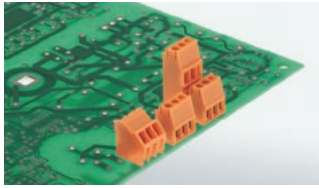
- Industrial suitable density combined with high flexible connection combinations (mezzanine, mother-to-daughter, extended-board and Board-to-wire)
- Pitch 1,27mm from 12 – 80 poles in different outlet-directions and heights
- Developed for automatic assembly with high precise pin coplanarity and SMT-fixation
- Reliable contact surface (PdNi-Au) equipped in high-performance material LCP and packed in Tape on reel for automatic assembly

Learn more about our full-range signal solutions that includes extremely compact PCB terminals and connectors.  
[www.weidmueller.com/omnimate-signal](http://www.weidmueller.com/omnimate-signal)



# OMNIMATE® Signal – PCB terminals

## Clamping yoke screw connection

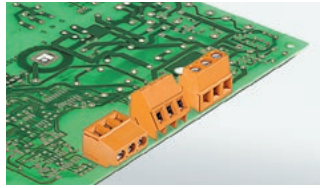


**Webcode #01010**

### LM 3.50 / LM1N / LM2N

Small, compact PCB terminal with conductor outlet direction of 90° or 135°.

- Clamping yoke screw connection
- Pitch: 3.50 mm
- Number of poles: 2-12
- IEC: 320 V / 16 A / 0.2-1.5 mm<sup>2</sup>
- UL: 300 V / 10 A / AWG 28-14

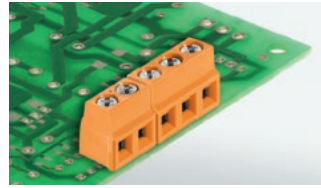


**Webcode #01012**

### LM 5.00/5.08

Single-row PCB terminal with conductor outlet direction of 90°, 135° and 180°.

- Clamping yoke screw connection
- Pitch: 5.00 mm / 5.08 mm
- Number of poles: 2-24
- IEC: 630 V / 17.5 A / 0.2-2.5 mm<sup>2</sup>
- UL: 300 V / 15 A / AWG 24-14

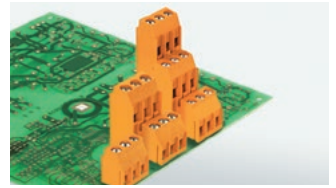


**Webcode #01014**

### LS 5.08

Small, compact PCB terminal with conductor outlet direction of 90°.

- Clamping yoke screw connection
- Pitch: 5.08 mm
- Number of poles: 2-12
- IEC: 630 V / 17.5 A / 0.08-1.5 mm<sup>2</sup>
- UL: 300 V / 15 A / AWG 28-14



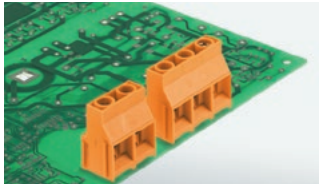
**Webcode #01016**

### LL 5.00/5.08

Single-row PCB terminal with conductor outlet direction of 90° and 180°.

- Clamping yoke screw connection
- Pitch: 5.00 mm / 5.08 mm
- Number of poles: 2-24
- IEC: 500 V / 32.5 A / 0.5-6 mm<sup>2</sup>
- UL: 300 V / 20 A / AWG 28-12

## Clamping yoke screw connection



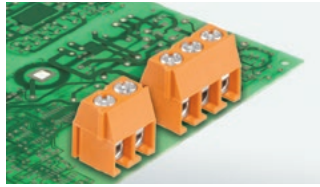
**Webcode #01018**

### LL 9.52

Single-row PCB terminal with conductor outlet direction of 90°.

- Clamping yoke screw connection
- Pitch: 9.52 mm
- Number of poles: 2-3
- IEC: 1,000 V / 32 A / 0.18-6 mm<sup>2</sup>
- UL: 300 V / 30 A / AWG 26-10

## Leaf - spring screw connection

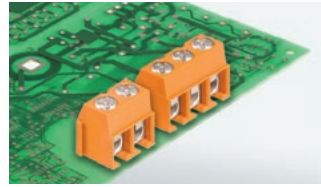


**Webcode #01020**

### PS 3.5

Very small and compact PCB terminal with conductor outlet direction of 90°.

- Leaf-spring screw connection
- Pitch: 3.50 mm
- Number of poles: 2-12
- IEC: 320 V / 17.5 A / 0.2-1.5 mm<sup>2</sup>
- UL: 300 V / 10 A / AWG 28-16



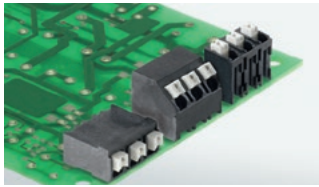
**Webcode #01022**

### PM 5.00/5.08

PCB terminal with conductor inlet direction of 90°.

- Leaf-spring screw connection
- Pitch: 5.00 mm / 5.08 mm
- Number of poles: 2-12
- IEC: 600 V / 24 A / 0.13-2.5 mm<sup>2</sup>
- UL: 300 V / 15 A / AWG 26-14

## PUSH IN - spring connection

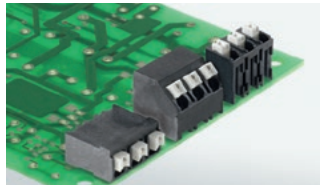


**Webcode #01028**

### LSF-SMT 3.5 / 3.81

PCB terminal for fully automatic assembly for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection
- Pitch: 3.50 mm / 3.81 mm
- Number of poles: 2-24
- IEC: 320 V / 17.5 A / 0.2-1.5 mm<sup>2</sup>
- UL: 300 V / 12 A / AWG 24-16

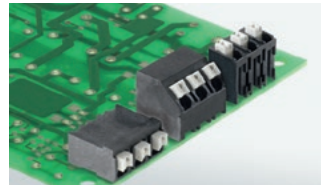


**Webcode #01030**

### LSF-SMT 5.00 / 5.08

PCB terminal for fully automatic assembly for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection
- Pitch: 5.00 mm / 5.08 mm
- Number of poles: 2-8
- IEC: 500 V / 17.5 A / 0.2-1.5 mm<sup>2</sup>
- UL: 300 V / 12 A / AWG 24-16

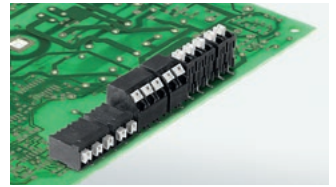


**Webcode #01032**

### LSF-SMT 7.50 / 7.62

PCB terminal for fully automatic assembly for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection
- Pitch: 7.50 mm / 7.62 mm
- Number of poles: 2-8
- IEC: 800 V / 17.5 A / 0.2-1.5 mm<sup>2</sup>
- UL: 300 V / 12 A / AWG 24-16



**Webcode #01034**

### LSF-SMD 3.5

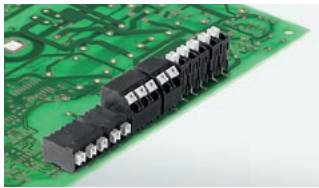
PCB terminal for fully automatic assembly for reflow soldering (SMT).

- PUSH IN spring connection
- Pitch: 3.50 mm
- Number of poles: 2-12
- IEC: 320 V / 17.5 A / 0.2-1.5 mm<sup>2</sup>
- UL: 300 V / 12 A / AWG 24-16



# OMNIMATE® Signal – PCB terminals

## PUSH IN - spring connection

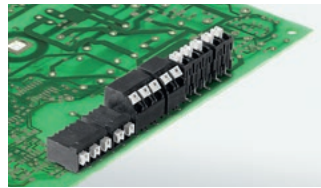


**Webcode #01036**

**LSF-SMD 5.00**

PCB terminal for fully automatic assembly for reflow soldering (SMT).

- PUSH IN spring connection
- Pitch: 5.00 mm
- Number of poles: 2-8
- IEC: 500 V / 17.5 A / 0.2-1.5 mm<sup>2</sup>
- UL: 300 V / 12 A / AWG 24-16

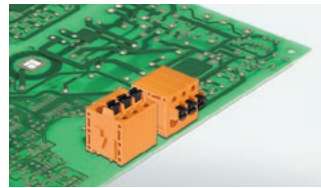


**Webcode #01038**

**LSF-SMD 7.50**

PCB terminal for fully automatic assembly for reflow soldering (SMT).

- PUSH IN spring connection
- Pitch: 7.50 mm
- Number of poles: 2-6
- IEC: 800 V / 17.5 A / 0.2-1.5 mm<sup>2</sup>
- UL: 300 V / 12 A / AWG 24-16

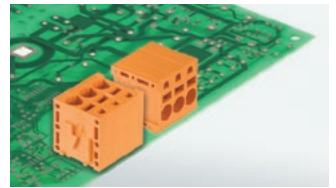


**Webcode #01040**

**LMF 5.00/5.08**

PCB terminal with pusher for opening the contact point and an integrated test point.

- PUSH IN spring connection
- Pitch: 5.00 mm / 5.08 mm
- Number of poles: 2-24
- IEC: 400 V / 24 A / 0.2-2.5 mm<sup>2</sup>
- UL: 300 V / 10 A / AWG 26-12



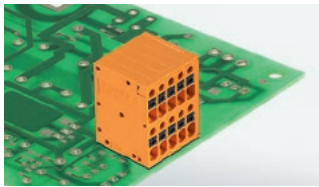
**Webcode #01042**

**LMFS 5.00/5.08**

PCB terminal without pusher; contact point can be opened using a screwdriver and integrated test point.

- PUSH IN spring connection
- Pitch: 5.00 mm / 5.08 mm
- Number of poles: 2-24
- IEC: 400 V / 24 A / 0.2-2.5 mm<sup>2</sup>
- UL: 300 V / 10 A / AWG 26-12

## PUSH IN - spring connection

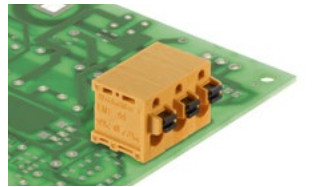


**Webcode #01026**

**LS2HF 3.50**

Double-storey PCB terminal for wave soldering processes, with conductor insertion and slider operation from the same direction (TOP).

- PUSH IN spring connection
- Pitch: 3.50 mm
- Number of poles: 4-24
- IEC: 400 V / 10 A / 0.14-1.5 mm<sup>2</sup>
- UL: 150 V / 12.5 A / AWG 26-16

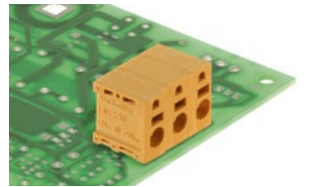


**Webcode #11514**

**LMF 7.50**

PCB terminal with pusher for opening the contact point and an integrated test point.

- PUSH IN spring connection
- Pitch: 7.50 mm
- Number of poles: 2-24
- IEC: 1000 V / 24 A / 0.2-2.5 mm<sup>2</sup>
- UL: 300 V / 20 A / AWG 26-12



**Webcode #11515**

**LMFS 7.50**

PCB terminal without pusher; contact point can be opened using a screwdriver and integrated test point.

- PUSH IN spring connection
- Pitch: 7.50 mm
- Number of poles: 2-24
- IEC: 1000 V / 24 A / 0.2-2.5 mm<sup>2</sup>
- UL: 300 V / 20 A / AWG 26-12



**Webcode #11547**

**LMFV 5.00/90**

PCB terminal with pusher, identical to the tried-and-tested LM 5.00 with clamping yoke connection

- PUSH IN spring connection
- Grid 5.00
- Number of poles 2-24
- IEC: 630 V / 17.5 A / 0.2 - 2.5 mm<sup>2</sup>
- UL: 300 V / 15 A / AWG 24 - AWG 14

## PUSH IN - spring connection

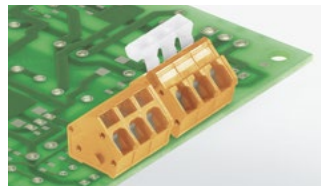


**Webcode #11548**

**LMFV 7.50/90**

PCB terminal with pusher

- PUSH IN spring connection
- Grid 7.50
- Number of poles 2-24
- IEC: 630 V / 17.5 A / 0.2 - 2.5 mm<sup>2</sup>
- UL: 300 V / 15 A / AWG 24 - AWG 14

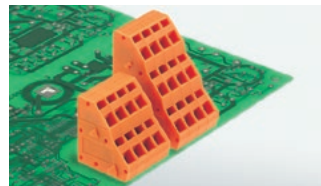


**Webcode #11448**

**LMZF**

Single-row PCB terminal with maintenance-free tension clamp connection and with conductor outlet direction of 135°.

- Tension clamp connection
- Pitch: 5, 7 & 10 mm
- Number of poles: 2-24
- IEC: 630 V/24 A / 0.13 - 2.5 mm<sup>2</sup>
- UL: 300 V/15 A / AWG 26-AWG 14



**Webcode #11447**

**LM2NZF & LM3RZF**

Multi-level PCB terminal with conductor outlet direction of 135°.

- Tension clamp connection
- Pitch: 5.08 mm
- Number of poles: 2-24
- IEC: 630 V/24 A / 0.13 - 2.5 mm<sup>2</sup>
- UL: 300 V/15 A / AWG 26-AWG 14

**Pitch 1.27 mm**

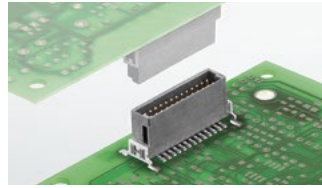


**Webcode # 11516**

**FMH1**

Male header with stack height 1.75 mm

- Reflow-soldering (SMT)
- Pitch: 1.27 mm
- Number of poles: 12-80
- Clear. and creepage distance: min. 0.4 mm
- IEC: 2.8 A (20°C, 12 pole)
- UL: 150 V / 1.7 A (12 pole)

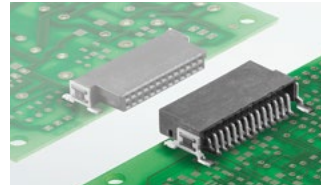


**Webcode # 11517**

**FMH3**

Male header with stack height 3.25 mm

- Reflow-soldering (SMT)
- Pitch: 1.27 mm
- Number of poles: 12-80
- Clear. and creepage distance: min. 0.4 mm
- IEC: 2.8 A (20°C, 12 pole)
- UL: 150 V / 1.7 A (12 pole)

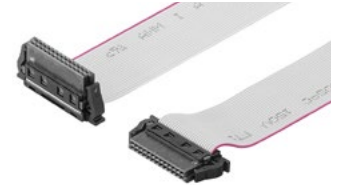


**Webcode # 11518**

**FMH**

Male header, angled

- Reflow-soldering (SMT)
- Pitch: 1.27 mm
- Number of poles: 12-80
- Clear. and creepage distance: min. 0.4 mm
- IEC: 2.8 A (20°C, 12 pole)
- UL: 150 V / 1.7 A (12 pole)



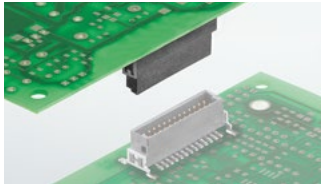
**Webcode # 11549**

**FC**

• Assembled cable

- Different cable types and lengths
- Pitch: 1,27 mm / 0,635 mm Ribbon Cable
- 12 - 80 poles
- IEC: 0,5 A
- Cross section: AWG 30/7
- UL 758 flammability rating: VW1

**Pitch 1.27 mm**



**Webcode # 11519**

**FFH6**

Female header with stack height 6.25 mm

- Reflow-soldering (SMT)
- Pitch: 1.27 mm
- Number of poles: 12-80
- Clear. and creepage distance: min. 0.4 mm
- IEC: 2.8 A (20°C, 12 pole)
- UL: 150 V / 1.7 A (12 pole)

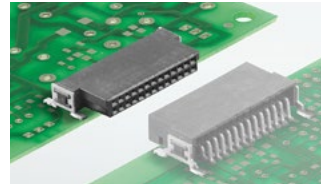


**Webcode # 11520**

**FFH9**

Female header with stack height 9.05 mm

- Reflow-soldering (SMT)
- Pitch: 1.27 mm
- Number of poles: 12-80
- Clear. and creepage distance: min. 0.4 mm
- IEC: 2.8 A (20°C, 12 pole)
- UL: 150 V / 1.7 A (12 pole)



**Webcode # 11521**

**FFH**

Female header, angled

- Reflow-soldering (SMT)
- Pitch: 1.27 mm
- Number of poles: 12-80
- Clear. and creepage distance: min. 0.4 mm
- IEC: 2.8 A (20°C, 12 pole)
- UL: 150 V / 1.7 A (12 pole)



**Webcode # 11522**

**FFP**

Female plug

- IDC-Connection
- Pitch: 1.27 mm
- Number of poles: 12-80
- Clear. and creepage distance: min. 0.4 mm
- IEC: 2.8 A (20°C, 12 pole)
- UL: 150 V / 1.0 A (12 pole) / AWG 30

**OMNIMATE® Signal – PCB connectors**

**Pitch 2.50 mm**

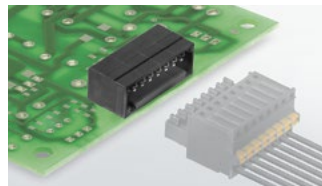


**Webcode # 11323**

**BLF 2.50**

Female plug for conductor connection with PUSH IN spring connection.

- PUSH IN spring connection
- Pitch: 2.50 mm
- Number of poles: 2-12
- IEC: 320 V / 6 A / 0.08 - 0.5 mm<sup>2</sup>
- UL: 150 V / 5 A / AWG 28 - 20



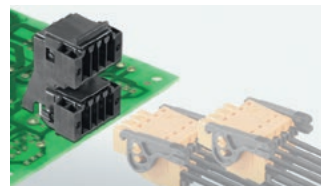
**Webcode # 11324**

**SL 2.50**

Male header for wave soldering methods for 2.50 mm pitch.

- Male header
- Pitch: 2.50 mm
- Number of poles: 2-12
- IEC: 320 V / 6 A
- UL: 320 V / 6 A

**Pitch 3.50 mm double - row design**

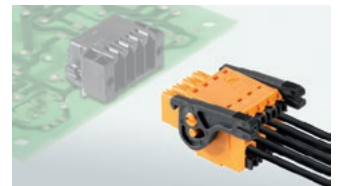


**Webcode # 01060**

**S2C 3.50**

High-temperature-resistant, double-row male header for reflow and wave soldering methods.

- Male header
- Pitch: 3.50 mm
- Number of poles: 4-36
- IEC: 200 V / 13.4 A
- UL: 150 V / 10 A



**Webcode # 01058**

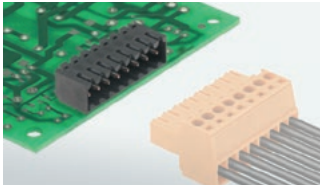
**B2CF 3.50**

Compact double-row female plug with maximum connection density within an extremely small space.

- PUSH IN spring connection
- Pitch: 3.50 mm
- Number of poles: 4-46
- IEC: 320 V / 13.4 A / 0.14-1.5 mm<sup>2</sup>
- UL: 300 V / 9.5 A / AWG 26-16

## OMNIMATE® Signal – PCB connectors

### Pitch 3.50 mm

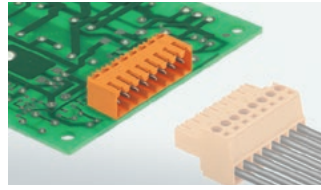


**Webcode #01068**

#### SL-SMT 3.50

High-temperature-resistant male header for reflow and wave soldering methods.

- Male header
- Pitch: 3.50 mm
- Number of poles: 2-24
- IEC: 320 V / 15 A
- UL: 300 V / 10 A

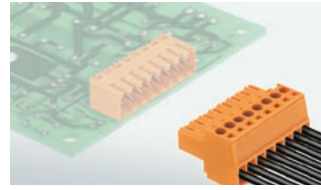


**Webcode #01072**

#### SL 3.50

Male header for wave soldering methods.

- Male header
- Pitch: 3.50 mm
- Number of poles: 2-24
- IEC: 320 V / 17 A
- UL: 300 V / 10 A

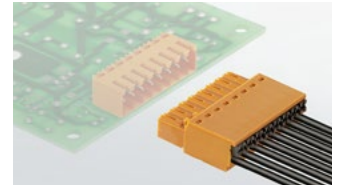


**Webcode #01066**

#### BL 3.50

Female plug for conductor connection with clamping yoke screw connection.

- Clamping yoke screw connection
- Pitch: 3.50 mm
- Number of poles: 2-24
- IEC: 320 V / 17 A / 0.2-1.5 mm<sup>2</sup>
- UL: 300 V / 10 A / AWG 28-14



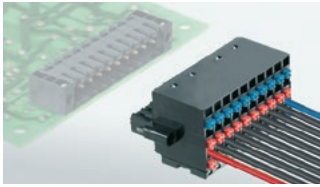
**Webcode #11410**

#### BLF 3.5

Female plug with PUSH IN spring connection

- PUSH IN spring connection
- Pitch: 3.50 mm
- Number of poles: 2-24
- IEC: 320 V / 14.5 A / 0.2 - 1.5 mm<sup>2</sup>
- UL: 300 V / 9.5 A / AWG 28-16

### Pitch 3.50 mm

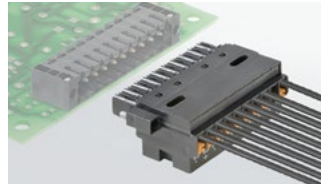


**Webcode #01064**

#### BL-I/O 3.5

Extremely compact female plug in one or three-row design and with an integrated LED display.

- PUSH IN spring connection
- Pitch: 3.50 mm
- Number of poles: 10 & 30
- IEC: 200 V / 2.2 A / 0.2-1 mm<sup>2</sup>
- UL: 50 V / 5 A / AWG 24-16

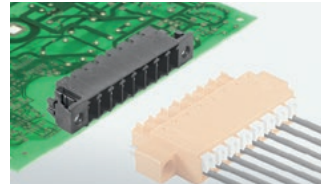


**Webcode #11445**

#### BL I/O CJC

Compact female plug with integrated cold junction compensation.

- PUSH IN spring connection
- Pitch: 3.50 mm
- Number of poles: 10
- IEC: 50 -V / 2.2 A / 0.2 - 1.5 mm<sup>2</sup>
- UL: 50 V / 5 A / AWG 24 - 16

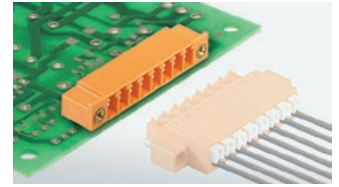


**Webcode #01076**

#### SC-SMT 3.81

High-temperature-resistant male header with a very low profile for reflow and wave soldering methods.

- Male header
- Pitch: 3.81 mm
- Number of poles: 2-16
- IEC: 320 V / 17.5 A
- UL: 300 V / 10 A



**Webcode #01080**

#### SC 3.81

Male header with a very low profile for wave soldering methods.

- Male header
- Pitch: 3.81 mm
- Number of poles: 2-20
- IEC: 320 V / 17.5 A
- UL: 300 V / 10 A

### Pitch 3.81 mm

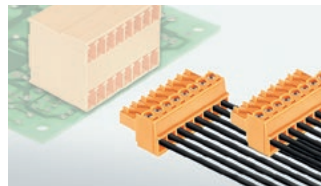


**Webcode #11316**

#### SCZ 3.81

Compact male plug for conductor connection with clamping yoke screw connection.

- Clamping yoke screw connection
- Pitch: 3.81 mm
- Number of poles: 2-12
- IEC: 320 V / 17.5 A / 0.14-1.5 mm<sup>2</sup>
- UL: 300 V / 10 A / AWG 28-16

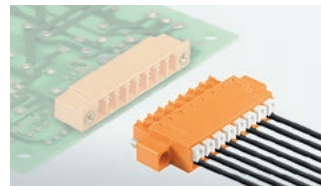


**Webcode #01074**

#### BCZ 3.81

Compact female plug for conductor connection with clamping yoke screw connection.

- Clamping yoke screw connection
- Pitch: 3.81 mm
- Number of poles: 2-20
- IEC: 320 V / 17.5 A / 0.14-1.5 mm<sup>2</sup>
- UL: 300 V / 10 A / AWG 28-16

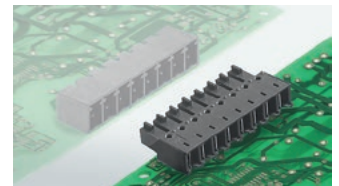


**Webcode #01078**

#### BCF 3.81

Female plug with very low profile for conductor connection with PUSH IN spring connection.

- PUSH IN spring connection
- Pitch: 3.81 mm
- Number of poles: 2-18
- IEC: 320 V / 17.5 A / 0.2-1.5 mm<sup>2</sup>
- UL: 300 V / 10 A / AWG 28-16



**Webcode #01082**

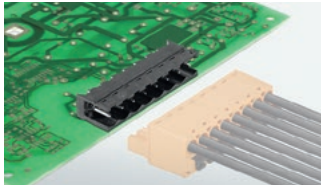
#### BCL-SMT 3.81

High-temperature-resistant female header with a very low profile for reflow soldering methods.

- Female header
- Pitch: 3.81 mm
- Number of poles: 2-12
- IEC: 320 V / 17.5 A
- UL: 300 V / 10 A

# OMNIMATE® Signal – PCB connectors

## Pitch 5.00 mm

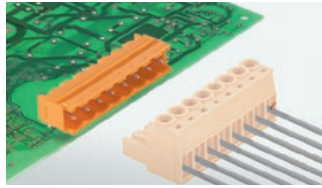


Webcode #11444

### SL-SMT 5.00HC

High-temperature-resistant, bent pin header, optimized for automatic assembly and reflow and wave soldering.

- Male header
- Pitch: 5.00 mm
- Number of poles: 2-24
- IEC: 400 V / 27.5 A
- UL: 300 V / 18.5 A

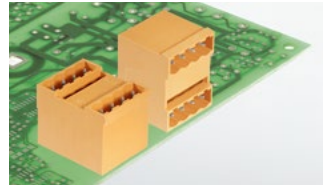


Webcode #01095

### SL 5.00

Pin headers with solder pin length optimized for wave flow soldering.

- Male header
- Pitch: 5.00 mm
- Number of poles: 2-24
- IEC: 400 V / 24 A
- UL: 300 V / 18.5 A

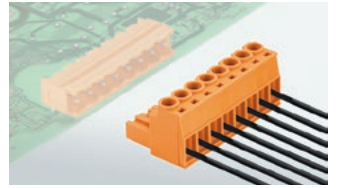


Webcode #11461

### SLD 5.00

2-tier male header with parallel pin arrangement with outlet direction of 90° & 180°, optimized for wave soldering methods.

- Male header
- Pitch: 5.00 mm
- Number of poles: 4-48
- IEC: 400 V / 15 A
- UL: 300 V / 10 A



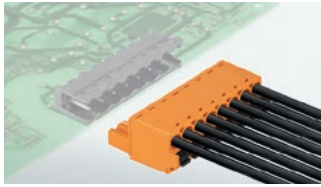
Webcode #01165

### BLZP 5.00HC

High-current-female-plug for outlet direction of 90°, 180° or 270°.

- Clamping yoke screw connection
- Pitch: 5.00 mm
- Number of poles: 2-24
- IEC: 400 V / 23 A / 0.2-4 mm<sup>2</sup>
- UL: 300 V / 20 A / AWG 30-12

## Pitch 5.00 mm



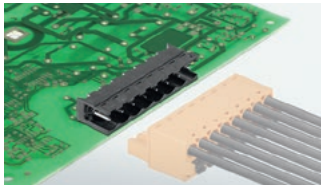
Webcode #11442

### BLF 5.00HC

Compact high-current-female-plug for outlet direction of 90°, 180° or 270°.

- PUSH IN spring connection
- Pitch: 5.00 mm
- Number of poles: 2-24
- IEC: 400 V / 24 A / 0.2-2.5 mm<sup>2</sup>
- UL: 300 V / 18.5 A / AWG 26-12

## Pitch 5.08 mm

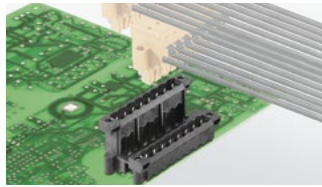


Webcode #01090

### SL-SMT 5.08HC

Highly temperature-resistant angled male header optimised for automatic assembly and for reflow and wave soldering methods.

- Male header
- Pitch: 5.08 mm
- Number of poles: 2-24
- IEC: 400 V / 27.5 A
- UL: 300 V / 18.5 A

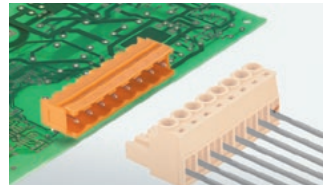


Webcode #11441

### SLDV-THR 5.08

High-temperature resistant, double level, laterally offset, male connector with flange or solder flange.

- Male header
- Pitch: 5.08 mm
- Number of poles: 4-48
- IEC: 400 V / 15 A
- UL: 300 V / 10 A

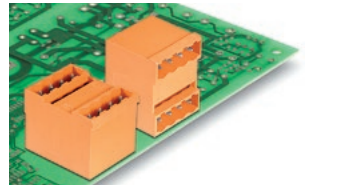


Webcode #01094

### SL 5.08HC

Male headers in glass-fibre-reinforced plastic, optimised for wave soldering methods.

- Male header
- Pitch: 5.08 mm
- Number of poles: 2-24
- IEC: 400 V / 24 A
- UL: 300 V / 18.5 A



Webcode #11440

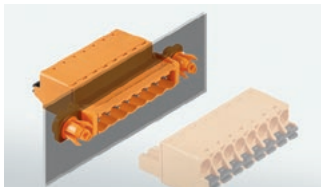
### SLD 5.08

2-tier male header with parallel or laterally offset pin arrangement with outlet direction of 90° & 180°, optimized for wave soldering methods.

- Male header, parallel or laterally offset
- Pitch: 5.08 mm
- Number of poles: 4-48
- IEC: 400 V / 15 A
- UL: 300 V / 10 A

# OMNIMATE® Signal – PCB connectors

## Pitch 5.08 mm

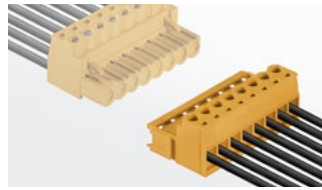


Webcode #01098

### SLF 5.08

Male plugs with straight outlet direction provide space for labelling and can be coded.

- PUSH IN spring connection
- Pitch: 5.08 mm
- Number of poles: 2-12
- IEC: 400 V / 25.9 A / 0.2-2.5 mm<sup>2</sup>
- UL: 300 V / 14 A / AWG 26-12

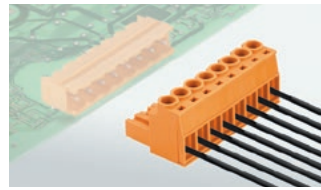


Webcode #01087

### SLS 5.08

Male plug with clamping-yoke screw wire-connect system. Clamping yoke screw connection

- Pitch: 5.08 mm
- Number of poles: 2-24
- IEC: 400 V/21.5 A / 0.2-2.5 mm<sup>2</sup>
- UL: 300 V/14 A / AWG 26-AWG 12

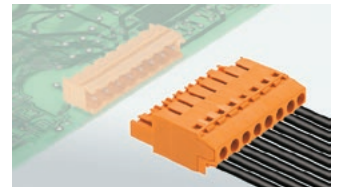


Webcode #01084

### BLZP 5.08HC

High-current female plug for conductor connection with 90°, 180° to 225° and 270° outlet direction.

- Clamping yoke screw connection
- Pitch: 5.08 mm
- Number of poles: 2-24
- IEC: 400 V / 23 A / 0.2-4 mm<sup>2</sup>
- UL: 300 V / 20 A / AWG 30-12



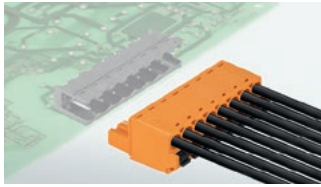
Webcode #01092

### BLT 5.08HC

High-current female plug for conductor connection with a straight 180° outlet direction and space for labelling.

- TOP screw connection
- Pitch: 5.08 mm
- Number of poles: 2-24
- IEC: 400 V / 27 A / 0.2-2.5 mm<sup>2</sup>
- UL: 300 V / 17 A / AWG 26-14

## Pitch 5.08 mm

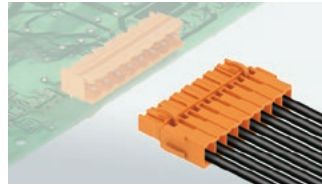


Webcode #01088

### BLF 5.08HC

Compact high-current female plug for conductor outlet directions of 90° to 180° and 270°.

- PUSH IN spring connection
- Pitch: 5.08 mm
- Number of poles: 2-24
- IEC: 400 V / 24 A / 0.2-2.5 mm<sup>2</sup>
- UL: 300 V / 18.5 A / AWG 26-12

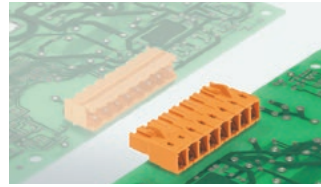


Webcode #01096

### BLC 5.08

Female plug to allow for the pre-assembly of wiring harnesses in large quantities.

- Crimp connection system
- Pitch: 5.08 mm
- Number of poles: 2-16
- IEC: 400 V / 21 A
- UL: 300 V / 10 A / AWG 26-14



Webcode #01100

### BLL 5.08

Female header for PCB assembly with 90° and 180° outlet direction and optimised solder pin length for wave soldering methods.

- Female header
- Pitch: 5.08 mm
- Number of poles: 2-24
- IEC: 400 V / 23 A
- UL: 300 V / 15 A

## Rectangular connector

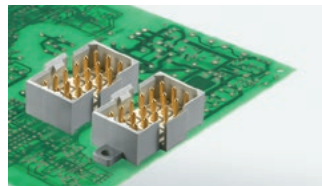


Webcode #11360

### RSV 1.6 C

Rectangular connector for a high component density, for use as a free coupling or a PCB variant.

- Crimp connection system
- Pitch: 5.00 mm
- Number of poles: 4-36
- IEC: 630 V / 17 A
- UL: 600 V / 10 A / AWG 26-12



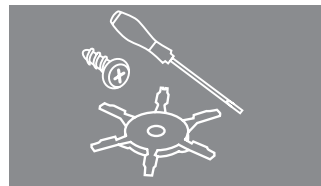
Webcode #01106

### RSV 1.6 L

Rectangular connector with solder pin and solder jack contacts for PCB applications.

- Solder pin contacts
- Pitch: 5.00 mm
- Number of poles: 4-36
- IEC: 500 V / 14 A
- UL: 300 V / 10 A

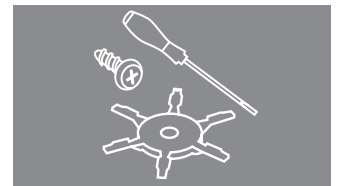
## Accessories



Webcode #11439

### Accessories

For signal PCB terminals



Webcode #11438

### Accessories

For signal PCB connectors

# OMNIMATE® Power

## Powerful connections with maximum security

New products and innovations help to shake up the market. Many power electronics applications are constantly evolving at a rapid pace, causing the requirements placed on connection systems to increase as well.

As specialists with a great deal of experience, we know the maximum power and security requirements that you place on your electronic devices. Our high-performance PCB terminals, PCB connectors and panel feedthrough terminal blocks therefore also comply with applicable device standards such standard for speed-controlled drive technology.

Our Power products also fully achieve 600 volts in accordance with UL standards. PCB terminal blocks with PUSH IN wire connection and application-specific plug-in connectors for motor connection with shield support complete the range.





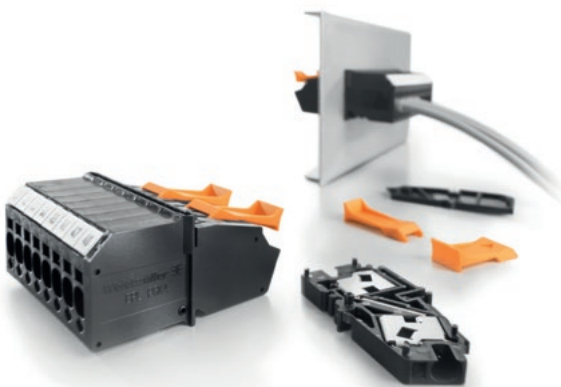
**OMNIMATE® Power  
PCB terminals**

- High-power to 150 A / 1000 V (IEC) or 127 A / 600 V (UL)
- Application-oriented scalability with connection cross-sections from 16 mm<sup>2</sup> to 50 mm<sup>2</sup>
- Simple UL device approval up to 600 V
- PUSH IN wire connection up to 16 mm<sup>2</sup>
- Maintenance-free steel clamping yoke for vibration-resistant screw connections



**OMNIMATE® Power  
PCB plug-in connectors**

- Application-oriented scalability: from the compact 4 mm<sup>2</sup> connector for 29 A (IEC) or 20 A (UL) up to the sturdy 16 mm<sup>2</sup> connector for 76 A (IEC) or 60 A (UL)
- Unlimited usage up to 1000 V (IEC) or 600 V (UL)
- A variety of application-optimised mounting options



**OMNIMATE® Power  
Panel feedthrough terminal blocks**

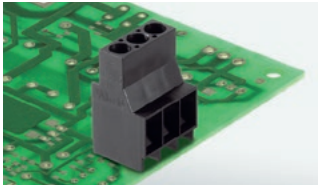
- Clamping yoke screw connection
- PUSH IN wire connection
- Wall and housing feedthrough
- Simple, flexible and cost-saving assembly and connection of conductors
- Cable lug
- Solder connection

Learn more about our application-oriented connection solutions for your power electronics devices at:  
[www.weidmueller.com/omnimate-power](http://www.weidmueller.com/omnimate-power)



## OMNIMATE® Power – PCB terminals

### Clamping yoke screw connection

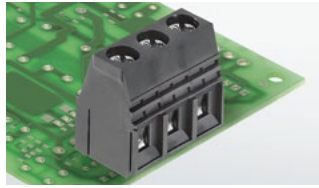


**Webcode #01044**

**LL 6.35**

High-performance PCB terminal with offset solder pins and conductor outlet direction of 90°.

- Clamping yoke screw connection
- Pitch: 6.35 mm
- Number of poles: 2-12
- IEC: 1.000 V / 32 A / 0.18-6 mm<sup>2</sup>
- UL: 600 V / 30 A / AWG 26-10

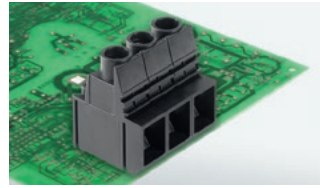


**Webcode #01048**

**LU 10.16**

High-performance PCB terminal with offset solder pins and conductor outlet direction of 90°.

- Clamping yoke screw connection
- Pitch: 10.16 mm
- Number of poles: 2-10
- IEC: 1.000 V / 76 A / 0.5-16 mm<sup>2</sup>
- UL: 300 V / 65 A / AWG 26-6

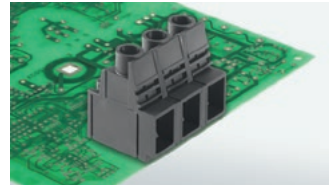


**Webcode #01050**

**LUP 10.16 V with test point**

High-performance PCB terminal with integrated test point and conductor outlet direction of 90°.

- Clamping yoke screw connection
- Pitch: 10.16 mm
- Number of poles: 2-9
- IEC: 1.000 V / 76 A / 0.5-16 mm<sup>2</sup>
- UL: 600 V / 51 A / AWG 26-6



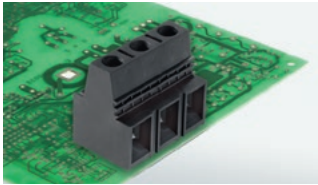
**Webcode #01052**

**LUP 12.70 with test point**

High-performance PCB terminal with integrated test point and conductor outlet direction of 90°.

- Clamping yoke screw connection
- Pitch: 12.70 mm
- Number of poles: 2-9
- IEC: 1.000 V / 76 A / 0.5-16 mm<sup>2</sup>
- UL: 600 V / 58 A / AWG 26-6

### Clamping yoke screw connection

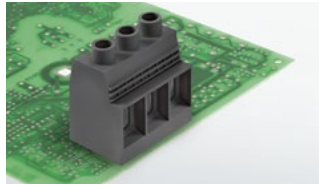


**Webcode #01054**

**LX 15.00 with test point**

High-performance PCB terminal with integrated test point and conductor outlet direction of 90°.

- Clamping yoke screw connection
- Pitch: 15.00 mm
- Number of poles: 1-9
- IEC: 1.000 V / 101 A / 1.5-25 mm<sup>2</sup>
- UL: 600 V / 85 A / AWG 16-4



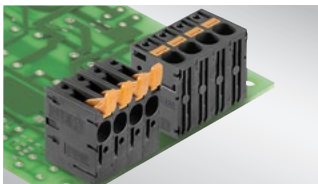
**Webcode #01056**

**LXXX 15.00 with test point**

High-performance PCB terminal with integrated test point and conductor outlet direction of 90°.

- Clamping yoke screw connection
- Pitch: 15.00 mm
- Number of poles: 1-9
- IEC: 1.000 V / 150 A / 0.5-50 mm<sup>2</sup>
- UL: 600 V / 127 A / AWG 20-1

### PUSH IN spring connection

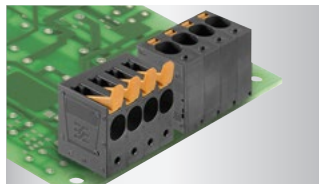


**Webcode #11408**

**LLF / LLFS 7.5**

Highly reliable PCB terminals with integrated test point and conductor outlet direction of 90° and 180°.

- PUSH IN spring connection
- Fast wiring without tool (LLF 7.50)
- Pitch: 7.5 mm
- Number of poles: 1-12
- IEC: 1.000 V / 41 A / 0.5-6 mm<sup>2</sup>
- UL: 600 V / 35 A / AWG 24-8

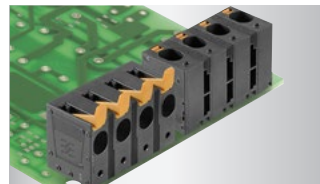


**Webcode #01046**

**LUF / LUFS 10**

Highly reliable PCB terminals with integrated test point and conductor outlet direction of 90° and 180°.

- PUSH IN spring connection
- Fast wiring without tool (LUF10)
- Pitch: 10.00 mm
- Number of poles: 1-12
- IEC: 1.000 V / 76 A / 0.5-16 mm<sup>2</sup>
- UL: 600 V / 61 A / AWG 18-6



**Webcode #11409**

**LUF / LUFS 15**

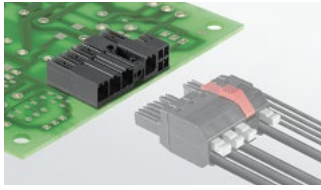
Highly reliable PCB terminals with integrated test point and conductor outlet direction of 90° and 180°.

- PUSH IN spring connection
- Fast wiring without tool (LUF 15)
- Pitch: 15.00 mm
- Number of poles: 2-8
- IEC: 1.000 V / 76 A / 0.5-16 mm<sup>2</sup>
- UL: 1.000 V / 57 A / AWG 18-6



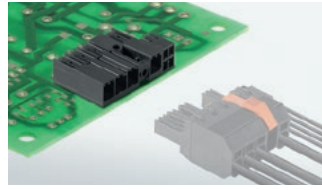
# OMNIMATE® Power – PCB connectors

## OMNIMATE® Power Hybrid



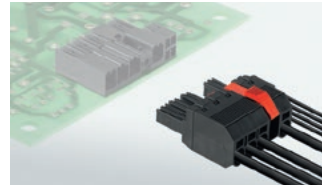
**Webcode # 11437**  
**SV-SMT 7.62 hybrid**  
 High-temperature-resistant hybrid male header with energy and signal contacts.

- Male header
- Pitch: 7.62 mm
- Pole count: 2/4-5/8
- IEC: 1.000 V / 41 A
- UL: 300 V / 35 A



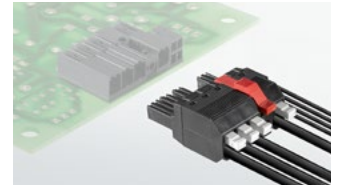
**Webcode #01112**  
**SV 7.62 hybrid**  
 Hybrid male header with energy and signal contacts.

- Male header
- Pitch: 7.62 mm
- Pole count: 2/4-5/8
- IEC: 1.000 V / 41 A
- UL: 300 V / 35 A



**Webcode # 11465**  
**BVF 7.62HP hybrid**  
 Hybrid female plug - the perfect 2-in-1 solution for the simultaneous combination of energy and signals. Available with plug-in EMC shield support on request.

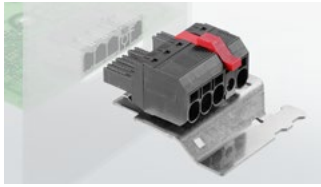
- PUSH IN spring connection
- Pitch: 7.62 mm
- Pole count: 2/4-5/8
- IEC: 1.000 V / 38 A / 0.5-10 mm<sup>2</sup>
- UL: 600 V / 35 A / AWG 24-8



**Webcode # 11466**  
**BVFL 7.62 hybrid**  
 Hybrid female plug with Wire-Ready PUSH IN the perfect 2-in-1 solution for the simultaneous combination of energy and signals.

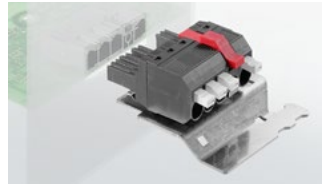
- Wire-Ready PUSH-IN spring connection
- Pitch: 7.62 mm
- Pole count: 2 / 4-5 / 8
- IEC: 1.000 V / 38 A / 0.5-6 mm
- UL: 600 V / 35 A / AWG 24-8

## OMNIMATE® Power Hybrid



**Webcode # 11467**  
**BVF 7.62 hybrid with pluggable shield connection**  
 Hybrid female plug with pluggable shield connection to printed circuit board.

- PUSH IN spring connection
- Pitch: 7.62 mm
- Pole count: 4-4
- IEC: 1.000 V / 38 A / 0.5-10 mm
- UL: 600 V / 35 A / AWG 24-8



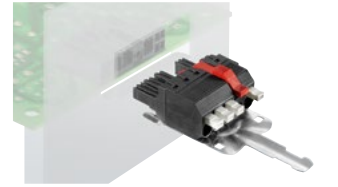
**Webcode # 11468**  
**BVFL 7.62 hybrid with pluggable shield connection**  
 Hybrid female plug with Wire-Ready PUSH IN and pluggable shield connection to printed circuit board.

- Wire-Ready PUSH IN spring connection
- Pitch: 7.62 mm
- Pole count: 4-4
- IEC: 1.000 V / 38 A / 0.5-6 mm
- UL: 600 V / 35 A / AWG 24-8



**Webcode # 11481**  
**BVF 7.62 hybrid with pluggable shield connection**  
 Hybrid female plug with pluggable shield connection to the device metall housing.

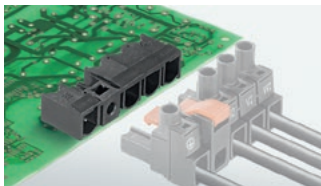
- PUSH IN spring connection
- Pitch: 7.62 mm
- Pole count: 4-4
- IEC: 1.000 V / 38 A / 0.5-10 mm
- UL: 600 V / 35 A / AWG 24-8



**Webcode # 11480**  
**BVFL 7.62 hybrid with pluggable shield connection**  
 Hybrid female plug with Wire-Ready PUSH-IN and pluggable shield connection to the device metall housing.

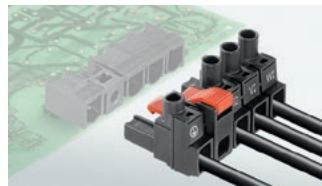
- Wire-Ready PUSH IN spring connection
- Pitch: 7.62 mm
- Pole count: 4-4
- IEC: 1.000 V / 38 A / 0.5-6 mm
- UL: 600 V / 35 A / AWG 24-8

## OMNIMATE® Power IT



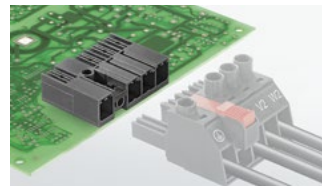
**Webcode #01116**  
**SL 7.62IT**  
 Male header with optional solder flange attachment and with leading contact for IT networks.

- Male header
- Pitch: 7.62 mm
- Number of poles: 2-6
- IEC: 630 V / 29 A
- UL: 300 V / 20 A



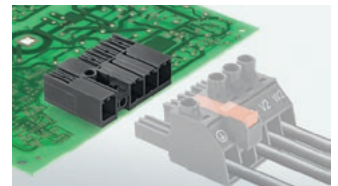
**Webcode #01114**  
**BLZ 7.62IT**  
 Female plug with 180° outlet direction and touch safety for IT networks with self-locking centre flange.

- Clamping yoke screw connection
- Pitch: 7.62 mm
- Number of poles: 2-6
- IEC: 1,000 V / 41 A / 0.2-6 mm<sup>2</sup>
- UL: 600 V / 40.5 A / AWG 24-8



**Webcode # 11469**  
**SV-SMT 7.62IT**  
 High temperature-resistant male header with leading contact for IT-networks.

- Male header
- Pitch: 7.62 mm
- Number of poles: 2-5
- IEC: 1.000 V / 41 A
- UL: 300 V / 40.5 A

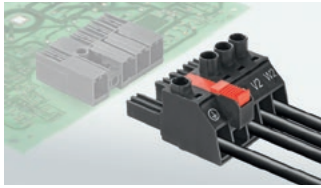


**Webcode #01120**  
**SV 7.62IT**  
 Male header with optional solder flange attachment and with leading contact for IT networks.

- Male header
- Pitch: 7.62 mm
- Number of poles: 2-4
- IEC: 1.000 V / 41 A
- UL: 300 V / 40.5 A

# OMNIMATE® Power – PCB connectors

## OMNIMATE® Power IT

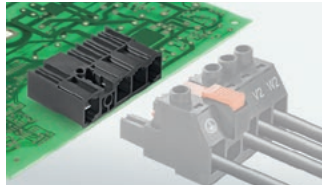


**Webcode #01118**

**BVZ 7.62IT**

Female plug with 180° outlet direction and touch safety for IT networks with self-locking centre flange.

- Clamping yoke screw connection
- Pitch: 7.62 mm
- Number of poles: 2-4
- IEC: 1,000 V / 41 A / 0.2-6 mm<sup>2</sup>
- UL: 600 V / 40.5 A / AWG 24-8

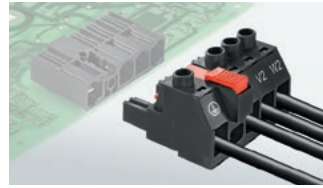


**Webcode #01124**

**SU 10.16IT**

Male header with optional solder flange attachment and with leading contact for computer networks.

- Male header
- Pitch: 10.16 mm
- Number of poles: 2-4
- IEC: 1,000 V / 76 A
- UL: 300 V / 60 A

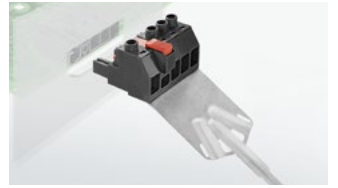


**Webcode #01122**

**BUZ 10.16IT**

Female plug with 180° outlet direction and touch safety for IT networks with self-locking centre flange.

- Clamping yoke screw connection
- Pitch: 10.16 mm
- Number of poles: 2-4
- IEC: 1,000 V / 78 A / 0.2-16 mm<sup>2</sup>
- UL: 300 V / 60 A / AWG 22-4



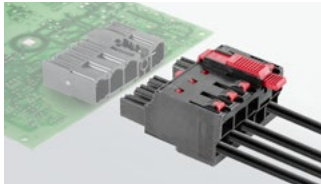
**Webcode #11479**

**BUZ 10.16IT SH**

Female plug with 180° outlet direction and touch safety for IT networks with self-locking centre flange and pluggable shield connection to the device metall housing.

- Clamping yoke screw connection
- Pitch: 10.16 mm
- Number of poles: 3-4
- IEC: 1,000 V / 76 A / 2.5-16 mm<sup>2</sup>
- UL: 600 V / 55 A / AWG 22-4

## OMNIMATE® Power IT



**Webcode #11407**

**BUF 10.16IT**

Female plug with 180° outlet direction for IT networks with self-locking centre flange.

- PUSH IN spring connection
- Pitch: 10.16 mm
- Number of poles: 2-5
- IEC: 1,000 V / 76 A / 2.5 - 16 mm<sup>2</sup>
- UL: 600 V / 55 A / AWG 12 - AWG 4



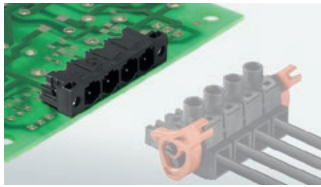
**Webcode #11471**

**BUF 10.16IT SH**

Female plug with 180° outlet direction and touch safety for IT networks with self-locking centre flange and pluggable shield connection to the device metall housing.

- PUSH IN spring connection
- Pitch: 10.16 mm
- Number of poles: 3-4
- IEC: 1,000 V / 76 A / 2.5-16 mm<sup>2</sup>
- UL: 600 V / 55 A / AWG 12-4

## OMNIMATE® Power HP pitch 4 mm<sup>2</sup>

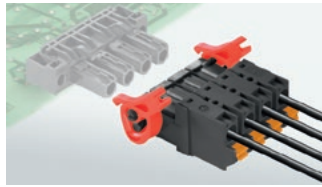


**Webcode #01130**

**SL 7.62HP**

Male header with single compartment mating profile and touch protection.

- Male header
- Pitch: 7.62 mm
- Number of poles: 2-12
- IEC: 630 V / 29 A
- UL: 300 V / 20 A



**Webcode #01134**

**SLF 7.62HP**

Male plug with single compartment mating profile with 180° outlet direction as touch-safe solution for the reverse voltage in HP networks.

- PUSH IN spring connection
- Pitch: 7.62 mm
- Number of poles: 2-5
- IEC: 1,000 V / 24 A / 0.5-2.5 mm<sup>2</sup>
- UL: 600 V / 20 A / AWG 20-12

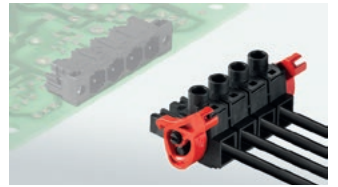


**Webcode #11472**

**SLF 7.62HP SH**

Male plug with single compartment mating profile with 180° outlet direction as touch-safe solution for the reverse voltage in HP networks, with pluggable shield connection to the device metall housing.

- PUSH IN spring connection
- Pitch: 7.62 mm
- Number of poles: 4
- IEC: 1,000 V / 24 A / 0.5-2.5 mm<sup>2</sup>
- UL: 600 V / 20 A / AWG 20-12



**Webcode #01126**

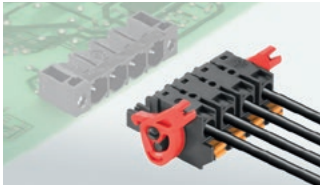
**BLZ 7.62HP**

Female plug with single compartment mating profile with 180° outlet direction and touch protection for HP networks.

- Clamping yoke screw connection
- Pitch: 7.62 mm
- Number of poles: 2-12
- IEC: 630 V / 29 A / 0.2-4 mm<sup>2</sup>
- UL: 600 V / 20 A / AWG 20-12

## OMNIMATE® Power – PCB connectors

### OMNIMATE® Power HP pitch 4 mm<sup>2</sup>

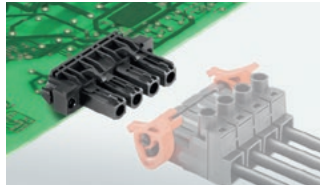


Webcode #01128

#### BLF 7.62HP

Female plug with single compartment mating profile with 180° outlet direction and touch protection for HP networks.

- PUSH IN spring connection
- Pitch: 7.62 mm
- Number of poles: 2-12
- IEC: 1,000 V / 24 A / 0.5-2.5 mm<sup>2</sup>
- UL: 600 V / 20 A / AWG 20-12



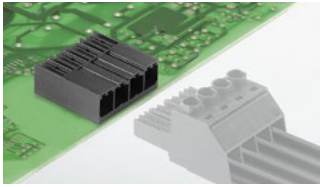
Webcode #01136

#### BLL 7.62HP

Touch-safe female header with single compartment mating profile for the PCB with one-hand safety interlock.

- Female header
- Pitch: 7.62 mm
- Number of poles: 2-5
- IEC: 630 V / 24 A
- UL: 300 V / 20 A

### OMNIMATE® Power HP pitch 10 mm<sup>2</sup>

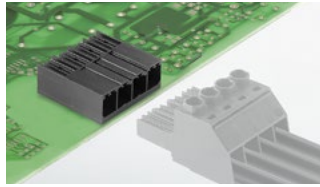


Webcode # 11473

#### SV-SMT 7.62HP

High temperature-resistant single-row male header for pole-loss-safe attachment or for use with patented multi-function flanges for TNC(S) networks.

- Male header
- Pitch: 7.62 mm
- Number of poles: 2-5
- IEC: 1,000 V / 41 A
- UL: 300 V / 40.5 A

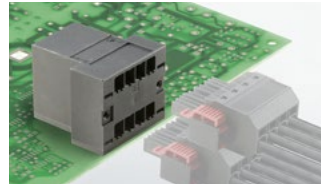


Webcode #01142

#### SV 7.62HP

High-performance single-row male header for pole-loss-safe attachment or for use with patented multi-function flanges for TNC(S) networks.

- Male header
- Pitch: 7.62 mm
- Number of poles: 2-12
- IEC: 1,000 V / 41 A
- UL: 300 V / 40.5 A

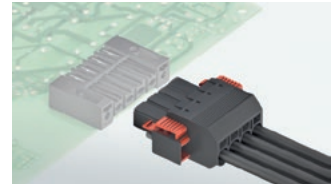


WebcodeWebcode #11474

#### SVD 7.62HP

Double-row high-current, high-performance pin headers for pole-loss-safe attachment or for use with patented multi-function flanges for TNC(S) networks.

- Male header
- Pitch: 7.62 mm
- Number of poles: 4-12
- IEC: 1,000 V / 47 A
- UL: 300 V / 30 A



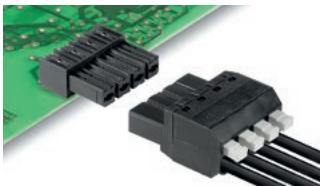
Webcode #11475

#### SVF 7.62HP

High-performance male plug with 180° outlet direction as a three-flange version for the housing feedthrough for TNC(S) networks.

- PUSH IN spring connection
- Pitch: 7.62 mm
- Number of poles: 2-6
- IEC: 1,000 V / 41 A / 0.5-10 mm<sup>2</sup>
- UL: 600 V / 35 A / AWG 24-10

### OMNIMATE® Power HP pitch 10 mm<sup>2</sup>

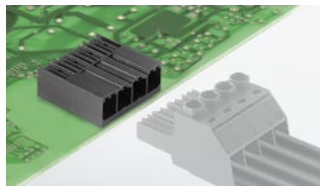


Webcode # 11476

#### SVFL 7.62HP

High-performance male plug with 180° outlet direction as a three-flange version for the housing feedthrough for TNC(S) networks.

- Wire-Ready PUSH IN spring connection
- Pitch: 7.62 mm
- Number of poles: 2-6
- IEC: 1,000 V / 41 A / 0.5-6 mm<sup>2</sup>
- UL: 600 V / 35 A / AWG 24-10



Webcode #01138

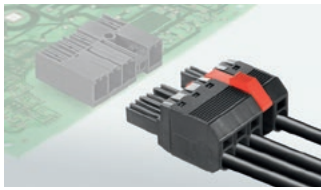
#### BVZ 7.62HP

High-performance female plug for pole-loss-safe attachment or for use with patented multi-function flanges for TNC(S) networks.

- Clamping yoke screw connection
- Pitch: 7.62 mm
- Number of poles: 2-12
- IEC: 1,000 V / 41 A / 0.2-6 mm<sup>2</sup>
- UL: 600 V / 40.5 A / AWG 24-8

## OMNIMATE® Power – PCB connectors

### OMNIMATE® Power HP pitch 10 mm<sup>2</sup>

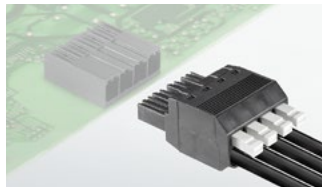


**Webcode #11477**

**BVF 7.62HP**

High-performance female plug with 180° outlet direction as a touch-safe solution for the power output for TNC(S) networks.

- PUSH IN spring connection
- Pitch: 7.62 mm
- Number of poles: 2-7
- IEC: 1.000 V / 41 A / 0.5-10 mm<sup>2</sup>
- UL: 600 V / 35 A / AWG 24-8

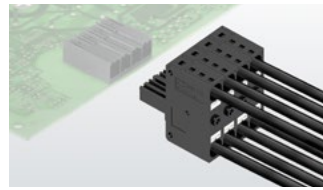


**Webcode #11478**

**BVFL 7.62HP**

High-performance female plug with 180° outlet direction as a touch-safe solution for the power output for TNC(S) networks.

- Wire-Ready PUSH-IN spring connection
- Pitch: 7.62 mm
- Number of poles: 2-5
- IEC: 1.000 V / 41 A / 0.5-6 mm<sup>2</sup>
- UL: 600 V / 35 A / AWG 24-8

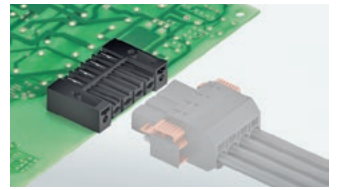


**Webcode #11512**

**BVDF 7.62HP**

Bus connector with two connections per pole with the time-saving 6mm<sup>2</sup> PUSH IN connection system

- Female header
- Pitch: 7.62 mm
- Number of Poles: 2-8
- IEC: 600 V / 46 A / 0.5 - 10 mm<sup>2</sup>
- UL: 600 V / 35 A / AWG 24 - AWG 8



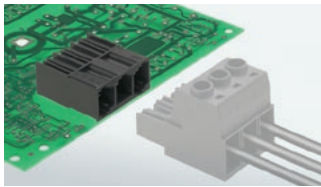
**Webcode #01148**

**BVL 7.62HP**

High-performance female header for pole-loss-safe attachment or for use with patented multi-function flanges for TNC(S) networks.

- Female header
- Pitch: 7.62 mm
- Number of poles: 2-7
- IEC: 1.000 V / 41 A
- UL: 300 V / 35 A

### OMNIMATE® Power HP pitch 10.16 mm<sup>2</sup>

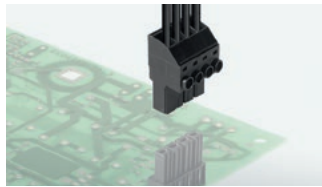


**Webcode #01152**

**SU 10.16HP**

High-performance single-row male header for pole-loss-safe attachment or for use with patented multi-function flanges for TNC(S) networks.

- Male header
- Pitch: 10.16 mm
- Number of poles: 2-9
- IEC: 1.000 V / 76 A
- UL: 300 V / 60 A

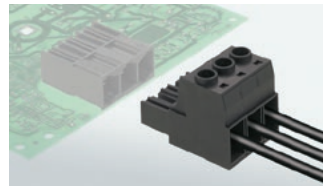


**Webcode #01154**

**SUZ 10.16HP**

High-performance male plug with 180° outlet direction and high-strength contact system for TNC(S) networks.

- Clamping yoke screw connection
- Pitch: 10.16 mm
- Number of poles: 2-9
- IEC: 1.000 V / 78 A / 0.2-16 mm<sup>2</sup>
- UL: 600 V / 54 A / AWG 24-6

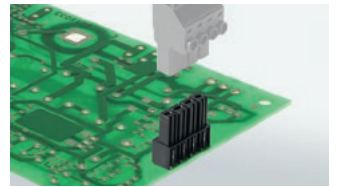


**Webcode #01150**

**BUZ 10.16HP**

High-performance female plug with 180° outlet direction for pole-loss-safe attachment or for use with patented multi-function flanges for TNC(S) networks.

- Clamping yoke screw connection
- Pitch: 10.16 mm
- Number of poles: 2-9
- IEC: 1.000 V / 78 A / 0.2-16 mm<sup>2</sup>
- UL: 600 V / 60 A / AWG 22-4



**Webcode #01156**

**BUL 10.16HP**

High-performance female header with 180° outlet direction and high-strength contact system for TNC(S) networks.

- Female header
- Pitch: 10.16 mm
- Number of poles: 2-4
- IEC: 1.000 V / 76 A
- UL: 300 V / 57 A

#### PUSH IN spring connection



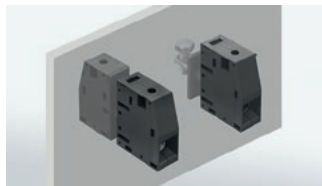
**Webcode #01158**

**PGK**

Device feedthrough terminal blocks with disc design and intuitive locking for a quick and compact solution.

- PUSH IN spring connection
- Connection cross-section: up to 4 mm<sup>2</sup>
- IEC: 500 V / 32 A / 0.5-4 mm<sup>2</sup>
- UL: 300 V / 30 A / AWG 24-10

#### Clamping yoke screw connection



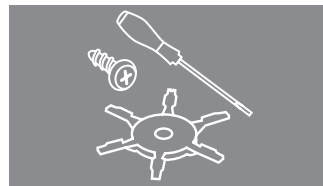
**Webcode #01160**

**WGK**

High-current feed-through terminals as a universal solution to guide currents of various scales through the device wall.

- Clamping yoke screw connection
- Connection cross-section: 6 to 95 mm<sup>2</sup>
- IEC: 1.000 V / 232 A / 0.5-95 mm<sup>2</sup>
- UL: 600 V / 230 A / AWG 24-4/0

#### Accessories



**Webcode #11463**

**Accessories**

For Power feed-through terminals

## OMNIMATE® Power – PCB- connector cross connection

### OMNIMATE® Power bus and T-connector

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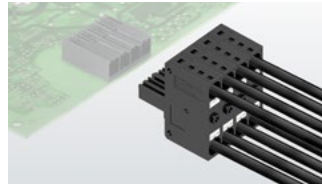


#### Webcode #11513

##### **PB 160**

Modular current bar solution, for multi-axis servo amplifiers intermediate circuit and 24 V control voltage supply.

- Modular SNAP-IN bus system
- Tool less connection
- Number of poles: 2
- IEC: 1000 V / 160 A
- UL: 750 V DC / 160 A



#### Webcode #11512

##### **BVDF 7.62HP**

T-connector with two connections per pole with the time-saving 6 mm<sup>2</sup> PUSH IN connection system.

- Female header
- Pitch: 7.62 mm
- Number of Poles: 2-8
- IEC: 600 V / 46 A / 0.5 -10 mm<sup>2</sup>
- UL: 600 V / 35 A / AWG 24 - AWG 8

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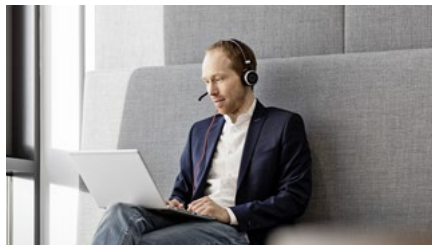
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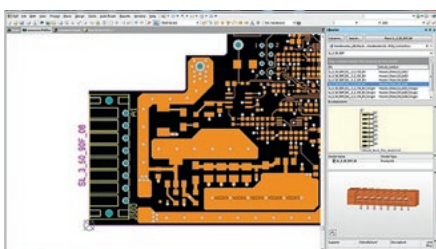
**Webcode #01201**  
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Exciting online seminars on relevant issues relating to device connection systems will help you with the practical aspects of your project. All webinar services are free of charge. You can find out dates, topics and presenters quickly and easily using the corresponding webcode.



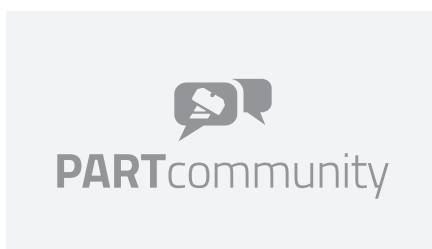
**Webcode #11359**  
**Whitepaper**

We share our expertise: Find out detailed information and interesting facts about trend topics in the field of device connectivity in our Whitepaper section.



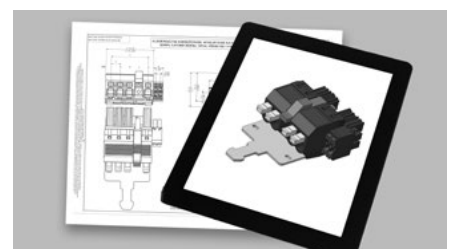
**Webcode #01203**  
**Component library for electronic PCB design**

Switching symbols and the painstaking creation of footprints are now things of the past. We offer extensive component libraries of OMNIMATE® PCB terminals and PCB connectors for a wide range of different EDA systems. Simply download and import the data set and you're ready to go.



**b2b.partcommunity.com**  
**CAD models in the Part Community**

CAD models for our OMNIMATE® PCB connection systems can be found in one of the industry's most important online forums. The "Part Community" allows engineers and technicians to trade knowledge on technical topics in all fields. The Community's online catalogue contains the exact dimensions and all other relevant data for our products.



**Webcode #11347**  
**Technical information**

The OMNIMATE® device connection methodology is highly flexible, ensuring your application requirements are met. The more familiar you are with it, the easier it is to find the optimum component.



### Online and personal support

From planning through installation to operation, we can provide exactly the right help and information for each step of your application based on our solutions and products: up-to-date, uncomplicated and comprehensive, around the clock, online or in person.



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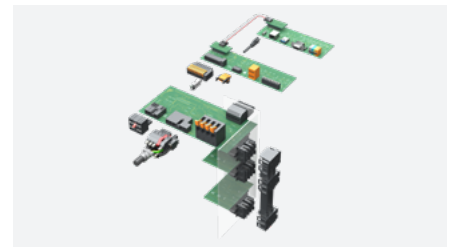
Webcode #11563  
**TCO Calculator**

Determine the savings potential with device connection technology and services from Weidmüller using the total cost of ownership - from device development and PCB assembly to installation in the electrical cabinet.



Webcode #11565  
**AppGuide**

With the "Search based on your device" function, we have put ourselves in the position of the device developer and recommend a small selection of precisely fitting products for different devices and their functional units.



Webcode #01171  
**ProductGuide**

With the function "Search based on products" we offer an efficient possibility to narrow down your product search step by step by means of a simplified representation of the connection technology in the installation state.



Webcode #11567  
**Safe and easy product handling**

A QR code on the product and the outer packaging leads directly to the corresponding handling video. The individual installation steps can be followed directly during processing.



Webcode #11568  
**On-site advice by application specialists**

We develop connection systems for PCBs and devices based on the application. And if you can involve us in your development at an early stage – even better. As part of our personal on-site customer consultancy service, our application specialists will meet with your technicians to discuss questions and problems relating to your project.



Webcode #11569  
**Ready-to-connect cables for every requirement**

From pre-assembled cabling solutions to bespoke special cables, ensuring reliable and efficient connections is a challenging task. We support you with our demand-oriented assembly services to handle even the most complex of cabling tasks.

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