

COMPONENT INSIDER

OCTOBER 2024 EDITION

Hello [First Name] !

Thanks for reading the October 2024 edition of OMRON Electronic Component's product newsletter, Component Insider.

If you have any feedback on this new resource, please email us!

Sincerely,
The Team @ OMRON Electronic Components

Featured Products



HVC-P2

OMRON Device & Module Solutions - Americas features products like the Human Vision Components (HVC-P2), which are compact, easy-to-mount image sensors with capabilities such as face recognition. Available in wide-angle and long-distance types, they meet diverse detection needs. The BST model series, within the HVC-P2 line, is currently in production and purchasable online. Comprehensive resources including datasheets, user manuals, CAD data, and software is accessible post registration.

[Learn More](#)



G7EB-E2

This SPST-NO relay supports high current applications with high capacity load ratings. It is an extension of the G7EB family, allowing support of 150A switching and carry currents, up from the standard 100A rating. The high-capacity characteristic makes the G7EB ideal for both power conditioner/industrial inverters, EV Chargers, as well as UPS systems. This relay reduces the necessity for complex temperature designs and the inclusion of heat transfer devices due to low contact resistance as compared to similar relays.

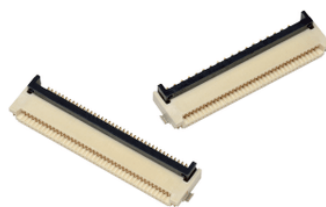
[Learn More](#)



G5RL

The G5RL PCB Power Relay is a low-profile relay with a height of 15.7 mm, designed for various applications. It features a creepage distance of 8mm between the coil and contacts, and can withstand an impulse voltage of 10 kV. The relay is available in models with an AC coil, high-inrush capability (handling peak currents up to 100 A), and low noise operation (producing approximately 10 to 20 dB less sound pressure than standard models). Additionally, there are models with a TVS rating for UL standards.

[Learn More](#)



XF2M/XF3M

The XF3M/XF2M FPC/FFC Connectors are designed with a rotary backlock mechanism for secure FPC/FFC cable insertion. XF3M models come in 0.5-mm or 1.0-mm pitch, with dual-sided or upper-sided contacts (0.5-mm only), available in gold or tin plating (tin for dual-sided only). They support a 0.3 mm cable thickness and are halogen-free, meeting specific bromine and chlorine standards. XF2M models feature dual-sided contacts to minimize part count and are also halogen-free. Both are part of OMRON's solutions for reliable connectivity in various applications.

[Learn More](#)

OMRON News



OMRON'S MINIATURE SWITCHES FOR RELIABILITY AND ACCURACY

Discover the excellence of OMRON's miniature switches, where innovation integrates with practical applications. The D3V Reliable Basic Switch and the V Miniature Basic Switch stand at the forefront of electrical control technology, offering tailored solutions that enhance both installation and efficiency. These switches are not just components; they are the backbone of modern industrial systems. With features like self-cleaning contacts and customizable levers, they reduce maintenance while adapting to your specific needs. Perfect for applications where space is at a premium and precision is non-negotiable, these switches are designed to perform under pressure. Explore the full scope of OMRON's innovative solutions to see how they can transform your operational efficiency and reliability. Read on to discover how OMRON's innovative solutions are setting new standards in the industry.

[Learn more](#)



Fresh On The Board - September Edition

As efforts to achieve carbon neutrality are being promoted, there is a demand for PCB power relays that can handle the increasing capacity of power supply systems such as ESS. OMRON's relays contribute to size reduction, work efficiency, and quality improvement of existing industrial facilities and equipment by replacing contactors.

[Learn more](#)

OMRON Events

Miss one of our recent webinars?
No worries, you can watch them on-demand today!

AC & DC High-Power Relay Solutions for the Energy Market



OMRON will introduce printed circuit board (PCB) relay solutions that are more cost-effective and compact compared to traditional contactors, addressing the increasing demand for higher power and space-saving solutions in the energy equipment market. Watch this webinar for more information!

Key Takeaways:

- High-Capacity PCB Power Relays: Learn about the benefits of high-capacity PCB power relays with ultra-low contact resistance, crucial for minimizing heat generation in energy applications.
- Cost-Saving Relay Configurations: Explore different relay configurations for cost savings, such as AC latching relays for reduced power consumption, multi-pole AC relays that can replace multiple single-pole relays, and bi-directional DC relays that eliminate the need for separate relays in bi-directional current applications like V2X.

[Watch On-demand](#)

Safety in Sensing: Sensor Technology in Smart Cities



OMRON realizes integration of sensing and IoT technologies in smart city development is not just about convenience and efficiency; it is fundamentally about creating safer, more resilient urban environments. Be sure to check watch our website for more information!

Key Takeaways:

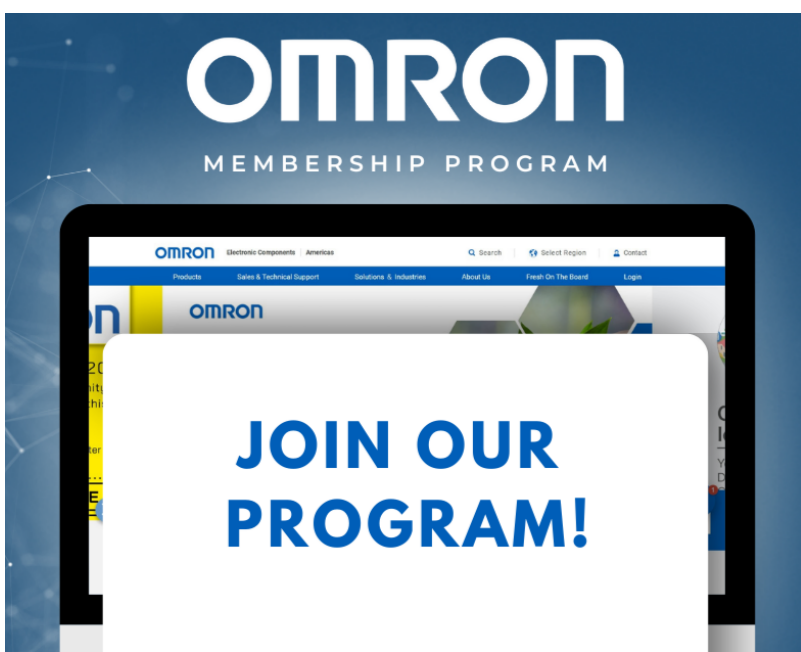
- Body tracking sensing modules for pedestrian safety
- IoT software for smart city connectivity
- Weather sensing for smart agriculture and data tracking

[Watch On-demand](#)

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OMRON Membership Program



For a limited time, we will be offering our membership program free to anyone who signs up for it.

- Free download of 2D/3D CAD and ECAD files
- Updated information on New Products
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