

SMART APPLIANCES BUILDING BLOCKS FOR CONNECTED LIVING



TE Connectivity develops a wide range of electrical components and sensor solutions that enable the distribution of power, signal, and data to advance next-generation products. As a global industrial technology company, our goal is to create a safer, sustainable, productive, and connected future. This is the focus of our Connected Living Solutions team, dedicated to partnering with OEMs and leveraging our breadth of capabilities to develop solutions for smart homes.

FROM COMPONENTS PROVIDERS TO

SYSTEMS SOLUTION INNOVATORS

As a leading connectivity supplier to the smart appliances industry:

- Build from our robust product portfolio, including a wide range of connectors and sensors
- Tap into our deep knowledge of home appliances and HVAC
- Leverage our deep engineering expertise and understanding of systems architecture

We partner with you to assess opportunities, evaluate challenges, and co-develop solutions for future needs:

- Design modular architecture for reuse across multiple appliance models or platforms to support faster product development and more efficient manufacturing
- Create standardized connector interfaces that align with industry protocols to simplify integration and facilitate upgrades
- Design for scalability and extensibility that address emerging trends, all while getting future-ready with both low cost and high end models

**OUR KNOWLEDGE AND CAPABILITIES = OEM OPPORTUNITIES
FROM INNOVATING HOMES TO SMART CITIES, TECHNOLOGY FOR EVERY SPACE**

WORKING IN PARTNERSHIP

Our Connected Living Solutions team stands ready to work with you in designing innovative, smart appliances. This includes incorporating TE components developed to meet critical design trends:



Miniature in size for limited physical spaces



High power conductivity at significant voltage levels



Easy integration into various modules and systems



Protective seals from water and other corrosive elements



Easy assembly and repair

Featured are select TE components which are time-tested to support efficient, cost-effective, robust performance for smart appliances and beyond

	Featured TE Components	Meeting Design Trends
	Flip-N-Lok High-Density Wire-to-Board Signal Connector	Frees up printed circuit board (PCB) space, and enhances overall assembly efficiency and ergonomics.
	GRACE INERTIA (GI) Multi-Load Connector	Offers design flexibility to PCB manufacturers requiring integrated, multi-functionality in wire-to-board solutions.
	POWER KEY 5.0 Surface Mount Technology Connector	Creates efficiency when using automated assembly to build compact PCB systems; accommodates potted PCB designs, including water-exposed applications.
	Micro MATE-N-LOK Blind Mate Connector	Helps Improve the efficiency of wire harness assembly by reducing the need for visual checks and simplifying connector alignment.
	SIGNAL GRACE INERTIA (SGI) 1.25mm and 1.50mm Connectors	Optimizes miniaturized PCB designs with reliability to deliver robust performance. Surface Mount Technology (SMT) connectors also help to streamline automated assembly with pick-and-place compatibility.
	EEPROM Embedded Smart Connector Winner: Design World 2024 LEAP Award	Simplifies production by using a single control board across product families. Compact design reduces costs, streamlines inventory, and speeds up field service.
	COMPACT SEAL SPLICE	Creates a robust, easy-to-install wire-to-wire connection and helps protect connections against harsh environments, including water and UV exposure.

Connect With Us

We make it easy to connect with our experts and are ready to provide all the support you need. Visit te.com/support to chat with a Product Information Specialist.



Ashish Ainapure
ashish.ainapure@te.com



John Marsh
jmarsh@te.com

TE Connectivity
Connected Living Solutions

te.com

TE, TE Connectivity, TE connectivity (logo), Flip-N-Lok, GRACE INERTIA, MATE-N-LOK and EVERY CONNECTION COUNTS are trademarks owned or licensed by the TE Connectivity plc family of companies. Other product names, logos, and company names mentioned herein may be trademarks of their respective owners.

The information given herein, including drawings, illustrations and schematics which are intended for illustration purposes only, is believed to be reliable. However, TE Connectivity makes no warranties as to its accuracy or completeness and disclaims any liability in connection with its use. TE Connectivity's obligations shall only be as set forth in TE Connectivity's Standard Terms and Conditions of Sale for this product and in no case will TE Connectivity be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product. Users of TE Connectivity products should make their own evaluation to determine the suitability of each such product for the specific application.

© 2025 TE Connectivity. All Rights Reserved.

09-25