

The Hermes Standard Initiative *

The Hermes Standard IPC-HERMES-9852 was defined and is developed further by The Hermes Standard Initiative, an independent working group of world-class equipment suppliers.

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| ■ ACHAT5 | ■ Kulicke & Soffa |
| ■ allSMT | ■ MagicRay Technology Co., Ltd. |
| ■ ASM Assembly Systems GmbH | ■ MIRTEC |
| ■ ASYS Automatisierungssysteme GmbH | ■ MYCRONIC AB |
| ■ Besi | ■ Nordson ASYMTEK |
| ■ BTU International | ■ NUTEK |
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| ■ cts GmbH | ■ Osai A.S. S.p.A. |
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| ■ Eunil Co., Ltd. | ■ Rejoint Automachine Equipment |
| ■ Exelsius | ■ RG Elektrotechnologie |
| ■ Fenix Automation S.r.l. | ■ SAKI Corp |
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| ■ Heller Industries | ■ SICK AG |
| ■ Holly | ■ SMT Thermal Discoveries |
| ■ ILJIN | ■ SolderStar |
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| ■ ITW EAE | ■ SPEA |
| ■ JAPAN UNIX CO., LTD. | ■ SYSTECH Europe GmbH |
| ■ Keysight | ■ Test Research, Inc. |
| ■ KIC | ■ Universal Instruments |
| ■ KOH YOUNG Technology Inc. | ■ VISCOM AG |
| ■ kolb CLEANING TECHNOLOGY GmbH | ■ ViTrox Corporation Berhad |
| | ■ YJ Link Co., Ltd. |
| | ■ YXLON |

*Members and applicants per March 2019
www.the-hermes-standard.info

IPC-HERMES-9852

How to benefit from The Hermes Standard

If you are an electronics manufacturer:

Go for it! Ask your assembly equipment suppliers if they are already compatible with IPC-Hermes-9852. If they are not, ask them to join the movement in order to help you get the most out of your assembly shop floor.

If you are a SMT equipment vendor:

The Hermes Standard Initiative is as open as The Hermes Standard (IPC-HERMES-9852) itself. Active participation is open to all assembly equipment manufacturers. Global cooperation is enabled by state-of-the-art web-based collaboration tools.

Download the specification and even implement The Hermes Standard for free, even if you don't want to join the initiative as an active participant.

Either way, find out how to benefit from this new standard and visit www.the-hermes-standard.info



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IPC-HERMES-9852

The global standard for
M2M communication
in SMT assembly

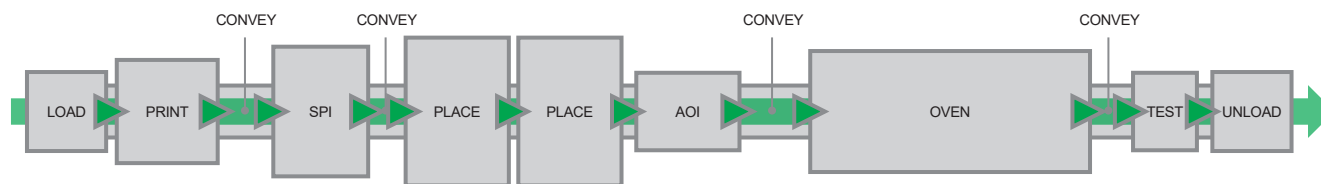
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Open.
Non-proprietary.
State-of-the-art.
Developed by leading-suppliers
of SMT assembly equipment.





IPC-HERMES-9852



The Hermes Standard (IPC-HERMES-9852): Full board data availability, maximum line throughput and traceability

The global standard for M2M communication in SMT assembly

The Hermes Standard (IPC-HERMES-9852) guarantees smooth machine-to-machine communication particularly in a mixed-vendor SMT assembly environment. It provides a powerful backbone for board-flow-related data management.

Electronics manufacturers can now focus on their workflows rather than dealing with communication issues when optimizing their factory floor.

The Hermes Standard (IPC-HERMES-9852) is the new generation successor of the IPC-SMEMA-9851 standard, which was defined already in the late 1990s and has become *the* standard for board-handling-related data exchange along SMT lines.

The new standard continues the tradition of process- and user-oriented innovation, now utilizing established networking technologies to unleash the full potential of digitization and smooth connectivity in electronics assembly while complementing other industrial communication standards such as IPC CFX.



Core benefits of IPC-HERMES-9852: The Hermes Standard in a nutshell

Core design elements:

- **Tailored protocol** based on TCP/IP and XML: The Hermes Standard reduces complexity and is easy to expand for integrating further features.
- **Standard components** instead of "special needs": Cables, plugs and interfaces (i.e. Ethernet) are inexpensive and easily available.
- **Integrated data management** versus separation: Consistent board and data assignments deliver a new level in transparency.

Specific benefits for assembly line operations:

- **Reduces investment and even line length:** Track boards along the entire line with a single ID reading device.
- **Enhances flexibility of line layout:** Easy reconnection of all units even after major changes in the line layout.
- **Enables seamless communication:** The generic communication backbone works well even in mixed-brand lines and supports successive upgrades of existing lines.
- **Keeps data and process complexity under control:** The product-focused approach helps you to manage data with minimum effort.

Open. Non-proprietary. State-of-the-art.

The Hermes Standard (IPC-HERMES-9852) is an open protocol that can be implemented free of charge by all vendors of SMT equipment, enabling them to implement valuable new features for their customers.

This open and fully transparent approach unleashes tremendous dynamism for development and implementation of new features, both covering existing requirements and enabling easy adaption to future needs. In an ever-faster changing production environment, being able to adapt quickly to new requirements is a key success factor.

Put The Hermes Standard to use for you

Open and transparent, based on established technologies and providing a comprehensive set of capabilities from the very start: IPC-HERMES-9852 is ready today and future-proof.

Make it a part of your future, whether you are an electronics manufacturer or an assembly equipment vendor. Just check out the other side of this folder to find out how, or visit

www.the-hermes-standard.info