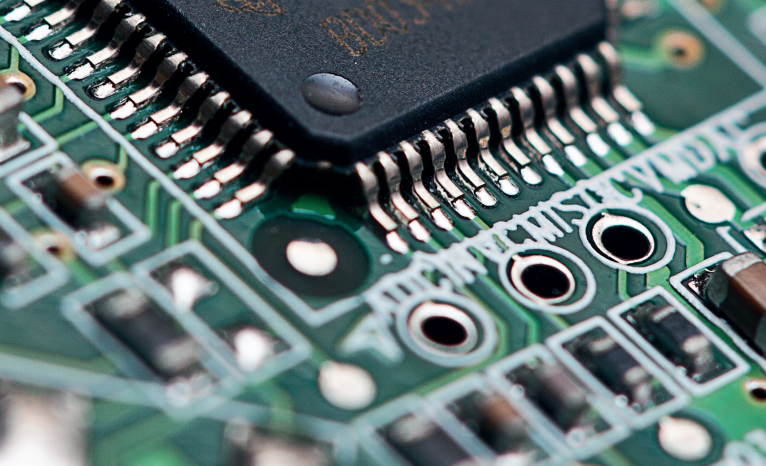




The Hermes Standard
for "M-to-M" in SMT Assembly

Developed by leading equipment suppliers

The Hermes Standard has been released by The Hermes Standard Initiative, a group of leading suppliers of equipment for SMT assembly lines.

Current members of The Hermes Standard Initiative*

- | | |
|-------------------------------------|---------------------------------|
| ■ ACHAT5 | ■ PARMi |
| ■ ASM Assembly Systems GmbH | ■ PEMTRON Corporation |
| ■ ASYS Automatisierungssysteme GmbH | ■ Rehm Thermal Systems GmbH |
| ■ Besi | ■ Rejoint Automachine Equipment |
| ■ CTI Systems | ■ RG Elektrotechnologie |
| ■ CYBEROPTICS | ■ SAKI Corp |
| ■ ERSa GmbH | ■ SEICAAUTOMATION s.r.l. |
| ■ Exelsius | ■ SMT Thermal Discoveries |
| ■ Fenix Automation S.r.l. | ■ SolderStar |
| ■ FlexLink Engineering Sdn Bhd | ■ Sonic Technology Co., Ltd |
| ■ GÖPEL electronic GmbH | ■ SPEA |
| ■ Hanwha | ■ SYSTECH Europe GmbH |
| ■ Heller Industries | ■ Test Research, Inc. |
| ■ IPTE | ■ Vi TECHNOLOGY |
| ■ ITW EAE | ■ VISCOM AG |
| ■ JAPAN UNIX CO., LTD. | ■ ViTrox Corporation Berhad |
| ■ KIC | ■ YJ Link Co., Ltd. |
| ■ KOH YOUNG Technology Inc. | ■ YXLON |
| ■ kolb CLEANING TECHNOLOGY GmbH | |
| ■ Kulicke & Soffa | |
| ■ MagicRay Technology Co., Ltd. | |
| ■ MIRTEC | |
| ■ MYCRONIC AB | |
| ■ NUTEK | |
| ■ OMRON EUROPE B.V. | |

*Per April 2018
For the latest list,
please visit
www.the-hermes-standard.info

How to take advantage of The Hermes Standard

If you are an electronics manufacturer:

Go for it! Ask your assembly equipment suppliers if they are already compatible with The Hermes Standard and aware of its benefits. If not, encourage them to join the movement!

If you are an SMT equipment vendor:

The Hermes Standard Initiative is as open as The Hermes Standard itself. We welcome all assembly equipment manufacturers who want to take an active part in The Hermes Standard community.

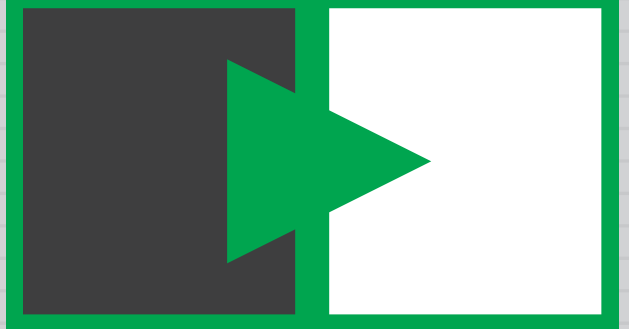
Downloading the specification and even implementing The Hermes Standard is possible for free, even if you don't want to join the initiative as an active participant.

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



The Hermes Standard Initiative represented by the elected chairman:
ASM Assembly Systems GmbH & Co. KG
Rupert-Mayer-Strasse 44 | 81379 Munich | Germany
Email: contact@the-hermes-standard.info

FOR WEB DISTRIBUTION



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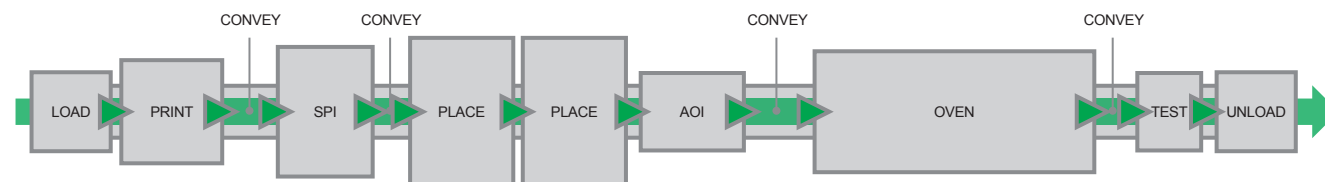
The new backbone for
board-flow data management
in Smart SMT Factories

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

www.the-hermes-standard.info



The Hermes Standard
for "M-to-M" in SMT Assembly



The Hermes Standard: Full board data availability, maximum line throughput and traceability

The new backbone for board-flow data management in Smart SMT Factories

The Hermes Standard for vendor-independent machine-to-machine communication in SMT assembly takes board-flow data management in SMT assembly lines to the next level.

This open, non-proprietary standard was initiated and developed by a group of leading equipment suppliers to enable a more advanced process integration.

It effectively replaces the IPC-SMEMA-9851 standard: The Hermes Standard not only makes traditional features much easier and less costly, it also adds unprecedented new options and possibilities.

Being able to connect all elements in an electronics assembly line, The Hermes Standard defines a new backbone for board flow data management in smart factories.

www.the-hermes-standard.info

The Hermes Standard: Core benefits in a nutshell

"Better by design":

- **Protocol-based** instead of "signal-based": 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 open up to 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 equipment lines and supports successive upgrading 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 is an open protocol that can be implemented free of charge by all vendors of SMT equipment. Establishing an individual licensing model for specific features is also possible.

This open and fully transparent approach has unleashed tremendous dynamism in development and implementation. The Hermes Standard made it from initial specification to first productive solutions in less than one year. In an ever-changing production environment, being able to adapt quickly to new requirements will be a critical key to success in the future.

Put The Hermes Standard to use for you

Open and transparent, based on established technologies, backed up by leading suppliers, and providing a comprehensive set of capabilities from the very start: The Hermes Standard is 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