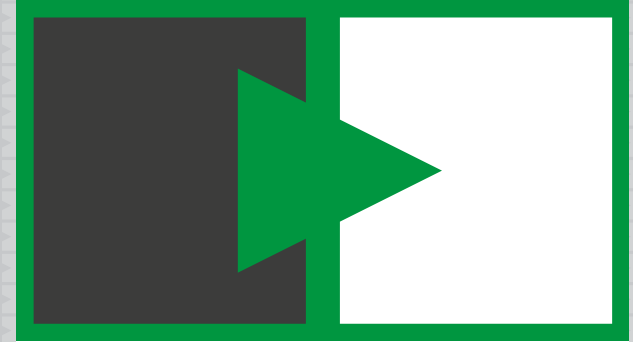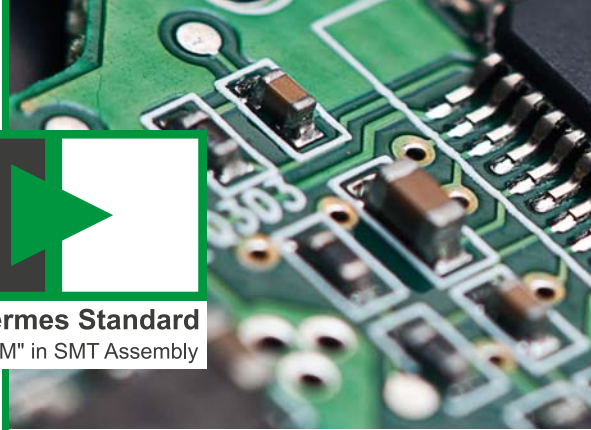## Developed by leading equipment suppliers

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
- ASM Assembly Systems GmbH
- ASYS Automatisierungssysteme GmbH
- CYBEROPTICS
- ERSA GmbH
- GÖPEL electronic GmbH
- Heller Industries
- IPTE
- KIC
- KOH YOUNG Technology Inc.
- Kulicke & Soffa
- MIRTEC
- MYCRONIC AB
- NUTEK
- OMRON EUROPE B.V.
- PARMI
- PEMTRON Corporation
- Rehm Thermal Systems GmbH
- RG Elektrotechnologie
- SAKI Corp
- SMT Thermal Discoveries
- SPEA
- VISCOM AG
- Vi TECHNOLOGY
- ViTrox Corporation Berhad
- YJ Link Co., Ltd.
- YXLON

*Per Sept. 2017
For the latest list,
please visit
www.the-hermes-standard.info

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

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 get the best of it 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

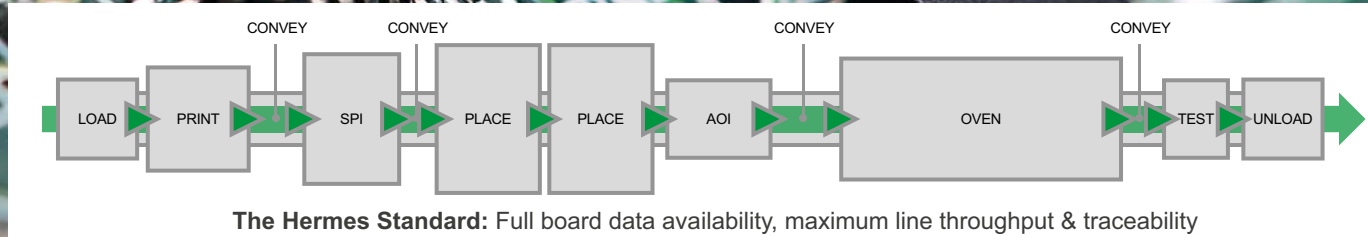# The Hermes Standard
for "M-to-M" in SMT Assembly

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.

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

CONVEY CONVEY CONVEY CONVEY

LOAD — PRINT — SPI — PLACE — PLACE — AOI — OVEN — TEST — UNLOAD

The Hermes Standard: Full board data availability, maximum line throughput & 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, joining their expertise in order to achieve more advanced process integration.

It will effectively replace the IPC-SMEMA-9851 standard: The Hermes Standard not only makes known 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: The core benefits in a nutshell

"Better by design":

■ **Protocol based** instead of "signal based": Founding 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 assignment opens a new level in transparency.

Specific benefits for assembly line operations:

■ **Reduces invest and even line length:** Board tracking along the entire line with just one board ID reading device is possible.

■ **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 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, while it is still possible to establish an individual licensing model for specific features.

Version 1.0 was released in April 2017. Already providing an impressive set of board flow management functions, far beyond existing possibilities. Future versions of The Hermes Standard will have greater functionality, step by step implementing more and more smart processes into electronics manufacturing.

Take advantage of The Hermes Standard

The Hermes Standard is future proof: Based on established technologies, backed up by leading suppliers, and providing a comprehensive set of capabilities.

If you want to make it a part of your future, either if 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