



onespin

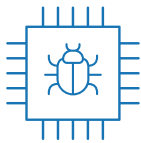
assuring IC integrity

Certified IC Integrity Solutions to Develop Functionally Correct, Safe, Secure, and Trusted Integrated Circuits

Leading Formal Technology Targeting Critical Hardware Verification Challenges

Functional Correctness

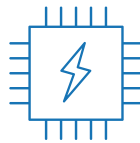
Rigorous, coverage-driven functional verification from block to chip, leveraging formal technology



Design Exploration | Protocol Violations | Integrate Formal/Simulation Coverage | End-to-End User Assertions | HLS/SystemC Verification | Synthesis/P&R Errors

Safety

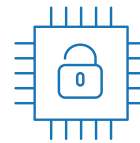
Safety analysis and higher diagnostic coverage to meet strict certification requirements



FMEDA of Complex SoCs | Failure Mode Distribution | Avoid Excessive Fault Simulations | Measure Diagnostic Coverage | ISO 26262 Compliance | Tool Qualification

Trust and Security

Automated detection of RTL Trojans and hardware vulnerabilities to adversary attacks

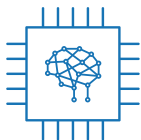


Denial of Service | Data Leakage | Privileges Escalation | Data Integrity/Confidentiality | Hardware Backdoors | Hardware Trojans

OneSpin 360[®] Formal Platform

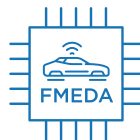
Heterogeneous Computing

Thorough verification of complex SoC platforms used for 5G wireless, IoT, and AI applications



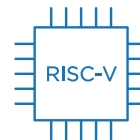
Automotive and Industrial

Systematic bug elimination and metrics on proper handling of random errors in the field



RISC-V

Proof of compliance to instruction set architecture (ISA) with no gaps or inconsistencies



OneSpin Solutions and Services

www.onespin.com

Notes

OneSpin Solutions is a leading provider of certified IC integrity verification solutions for functionally correct, safe, secure, and trusted integrated circuits. Headquartered in Munich, Germany, we partner with developers worldwide to assure the integrity of SoCs, ASICs, and FPGAs for automotive and industrial applications; defense; avionics; artificial intelligence and machine learning; consumer electronics; and communications. OneSpin's advanced solutions are based on our widely-used formal verification technology and are ideal for developing heterogeneous computing platforms, using programmable logic, and designing and integrating processor cores, such as RISC-V. OneSpin's commitment to our users' success fuels our mutual growth.

OneSpin: Assuring IC Integrity.

Questions? Get in touch with us!

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