AUMOVIO

EE Test Manager/ Tester R&D 519

Your tasks

Key Responsibilities

Hardware Test Planning & Validation

- Define and manage hardware test activities for ECU development projects.
- Analyze EE requirements and derive validation and integration test strategies.
- Develop test plans, test schedules, and validation coverage.
- Create hardware test cases based on requirements and design specifications.
- Execute functional, electrical, integration, and board-level validation tests.
- Generate, maintain, and review test reports.

Hardware Debugging & Analysis

- Perform board-level hardware debugging and root-cause analysis.
- Investigate and resolve hardware and software-related failures.
- Support design teams in troubleshooting and issue resolution.

Communication & System Testing

- Validate and troubleshoot communication interfaces, including:
  - CAN
  - LIN
  - SPI
  - FlexRay
- Support hardware integration and ECU-level testing activities.

Stakeholder Management

- Collaborate with hardware, software, system, and project teams.
- Track validation progress and communicate status, risks, and issues to stakeholders.
- Participate in technical reviews and project discussions.

Technical Skills

Electronics & Hardware

- Basic understanding of EE architecture and hardware design.
- Knowledge of:
  - Buck Converters
  - LDO Regulators
  - MOSFET & BJT Switching Circuits
  - Passive & Active Filters
  - Operational Amplifiers (Comparator Applications)

Hardware Testing & Debugging

Job ID
REF10942V

Location
Bommasandra

Leadership level
Leading Self

Legal Entity
AUMOVIO India Private Limited

- Hardware board-level testing and validation.
- Hardware-software fault debugging.
- Test case creation, execution, and reporting.

Communication Protocols

- CAN
- LIN
- SPI
- FlexRay

Lab Equipment

Hands-on experience with:

- High Definition Oscilloscopes (HDO)
- Current & Differential Voltage Probes
- Spectrum Analyzers
- Function Generators
- Programmable Power Supplies
- Digital Multimeters
- Thermocouples & Data Logging Equipment
- Lauterbach Debugger
- Renesas Debugger Tools

Your profile

• B.Tech/B.E. in Mechanical or Automobile Engineering.
• M.Tech/M.E./M.S. in related disciplines will be an added advantage

Our offer

- 4-5 years of experience in electronics hardware testing and validation.
- Minimum 2 years of hands-on experience in hardware board-level testing.
- Strong debugging skills at the hardware and software interface level.
- Experience in test case development, execution, and reporting.
- Familiarity with automotive standards:
  - ISO 26262
  - AEC-Q101 / AEC-Q102
  - CISPR 25
  - ISO 16750
  - ISO 7637-2
  - ISO 11452
- Excellent communication and stakeholder management skills.
- Strong analytical and problem-solving abilities.
- Effective team player with cross-functional collaboration experience.

Ready to take your career to the next level? The future of mobility isn't just anyone's job. Make it yours! **Join AUMOVIO. Own What's Next.**

About us

Since its spin-off in September 2025 AUMOVIO continues the business of the former Continental group sector Automotive as an independent

company. The technology and electronics company offers a wide-ranging portfolio that makes mobility safe, exciting, connected, and autonomous. This includes sensor solutions, displays, braking and comfort systems as well as comprehensive expertise in software, architecture platforms, and assistance systems for software-defined vehicles. In the fiscal year 2024 the business areas, which now belong to AUMOVIO, generated sales of 19.6 billion Euro. The company is headquartered in Frankfurt, Germany and has about 87.000 employees in more than 100 locations worldwide.