SII Deutschland
Engineering & IT

Ihre Karrierechance als

Electrical Engineer – Avionics Test Benches Harness Wiring Diagrams (m/f/d) (m/w/d)

Im Bereich Electrics & Electronics / Berufserfahrene

ARBEITSORT

- 86609 - Donauwörth (Bayern)

AUFGABEN

Test Bench Design

- Analyse and understand the **test requirements**
- Design and propose **wiring plans for the test bench**
- Create **harness wiring diagrams**
- Manage test **equipment integration**
- Document the **bench architecture and system modifications**

Verification & Validation

- Verify the **conformity of the wiring on the test bench**
- Identify the **IC under test and its pin configuration**
- Perform **continuity tests using a multimeter**
- Conduct **visual inspections of connections and pins**
- Detect **open circuits or pin-to-pin short circuits**
- Perform **continuity measurements using digital pattern instruments (advanced testing)**
- Follow **manufacturer guidelines for testing procedures**

Troubleshooting

- Investigate and solve **technical issues during test bench operation**

QUALIFIKATIONEN

Hard Skills

- Bachelor’s degree or higher in **Electrical Engineering or a related engineering field**
- Very good knowledge of **electrical systems**

- Good knowledge of **test benches, electrical cabinets, and wiring**
- Understanding of **avionics systems architecture**
- Knowledge of **wiring diagram standards and conventions**
- Experience with **SEE Electrical, EPLAN, or similar tools**
- Knowledge of **signal processing** is a plus
- Fluent **English**
- **German and/or French** is a plus
- Experience with **military projects** is a plus

Soft Skills

- Strong **communication skills** with customers and internal teams
- Ability to **investigate technical problems and propose well-documented solutions**
- Good **task prioritization and organization**
- Ability to **work under pressure during critical issues**

ANSPRECHPARTNER

Bei Fragen zu dieser Position wenden Sie sich bitte an:

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