

# Driving decarbonization and digitalization. Together.



## Principal Engineer Test

### Job description

In your new role you will:

- Work with design engineering to learn the test requirements of new products and technologies, develop DfT plan, develop the test packages and processes required for high volume manufacturing test.
- Responsible for test package development: test hardware and software, new product characterization, pre-production and qualification testing.
- Work with ATE vendors to improve existing test systems and/or develop new ones that can test our devices more efficiently and cost effectively, evaluate and introduce new ATE instruments for improved cost and efficiency
- Work with assembly test sites to ensure correct procedures are followed and that test equipment is well maintained and calibrated to national standards
- Some international travel may be required for training, product transfers and release.

### Profile

You are best equipped for this task if you have:

- BSEE, or equivalent years of experience
- More than ten years experience dealing with advanced ATE applications related to Power ICs and Power devices
- Experience with Teradyne ETS-364b and ETS-800 test platforms preferred.
- Knowledgeable in all electrical characteristics of ICs and Power MOSFETs
- Working knowledge of semiconductor manufacturing (Wafer Fab and assembly)
- Solid knowledge of device physics and basic understanding of IC reliability
- Proficient with schematic capture software for optimized hardware solutions, Cadence Allegro experience desirable
- Sound test-programming skills and experience programming in C / C++, Vbasic, embedded programming, LabVIEW and script languages
- Hands-on experience making bench electrical measurements using signal generators, oscilloscopes and spectrum analyzers, including bench test automation
- Excellent communication skills (verbal, written, and ability to make presentations to management)
- Strong driver (assertive and results/goal oriented)

### At a glance

Location: **Melaka (Malaysia)**  
Job ID: **HRC0929214**  
Start date: **as soon as possible**  
Entry level: **5+ years**  
Type: **Full time**  
Contract: **Permanent**

Apply to this position online by following the URL and entering the Job ID in our job search. Alternatively, you can also scan the QR code with your smartphone:

Job ID: **HRC0929214**  
[www.infineon.com/jobs](http://www.infineon.com/jobs)



- Team player with good interpersonal skills (ability to work efficiently with multi-functional groups)

## Benefits

- **Melaka:** Wide range of training offers & planning of career development; International assignments; Different career paths: Project Management, Technical Ladder, Management & Individual Contributor; Exempt working hours are flexible within core hours (9am-12pm & 2pm- 5.15pm); Home office options for certain tasks or due to personal circumstances. Applicable to exempt employees working on office hours only; Part-time work possible for exempt employees only; Exempt staff could apply up to 3-month sabbatical leave, subject to business situation; Medical coverage; In-house clinic operates 24 hours, doctor consultation possible from 9am to 5pm; Health promotion programs; Social Recreation Center with facilities, such as gym room, squash, badminton and netball court, zumba and yoga classes, etc.; On-site Cafeteria; Paid sick leave according to law; Additional 3% to Employee Provident Fund after 10 years service with Infineon Malacca; Re-employment opportunities; Productivity incentive bonus; Bus service for shift employees ; Allocated carpark for disabled and pregnant employees

## Why Us

### **#WeAreIn for driving decarbonization and digitalization.**

As a global leader in semiconductor solutions in power systems and IoT, Infineon enables game-changing solutions for green and efficient energy, clean and safe mobility, as well as smart and secure IoT. Together, we drive innovation and customer success, while caring for our people and empowering them to reach ambitious goals. Be a part of making life easier, safer and greener.

### **Are you in?**

### **We are on a journey to create the best Infineon for everyone.**

This means we embrace diversity and inclusion and welcome everyone for who they are. At Infineon, we offer a working environment characterized by trust, openness, respect and tolerance and are committed to give all applicants and employees equal opportunities. We base our recruiting decisions on the applicant 's experience and skills.

Please let your recruiter know if they need to pay special attention to something in order to enable your participation in the interview process.

