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Singapore



## PR/095215 | R&D Manager - PCB

### Job Information

**Recruiter**[JAC Recruitment Singapore](#)**Job ID**

1540537

**Industry**

Electronics, Semiconductor

**Job Type**

Permanent Full-time

**Location**

Singapore

**Salary**

Negotiable, based on experience

**Refreshed**

May 20th, 2025 12:19

### General Requirements

**Minimum Experience Level**

Over 3 years

**Career Level**

Mid Career

**Minimum English Level**

Business Level

**Minimum Japanese Level**

Business Level

**Minimum Education Level**

Associate Degree/Diploma

**Visa Status**

No permission to work in Japan required

### Job Description

#### Company and Job Overview

Our client is a leading PCB manufacturer. We are looking for an R&D Manager to develop advanced PCB technologies, materials, and processes to enhance product performance, reliability, and manufacturability.

#### Responsibilities

Research and develop new PCB materials, stack-ups, and manufacturing processes to improve performance, cost efficiency, and reliability.

Design and optimize high-speed, high-frequency, HDI (High-Density Interconnect), and rigid-flex PCBs for various applications.

Conduct feasibility studies, simulations (signal integrity, thermal, EMI/EMC), and prototyping to validate new designs and technologies.

Collaborate with PCB fabrication, assembly, and testing teams to ensure manufacturability and quality standards.

Stay updated with industry trends, emerging technologies (e.g., embedded components, advanced substrates), and IPC standards.

Troubleshoot and resolve technical challenges related to PCB design, fabrication, and assembly.

Work with customers and suppliers to define technical requirements and develop customized solutions.

Document R&D findings, prepare technical reports, and present recommendations to stakeholders.

Support patent applications and intellectual property development for innovative PCB technologies.

#### Qualifications & Experience:

Education: Bachelor's/Master's degree in Electrical/Electronics Engineering, Chemistry/Chemical engineering, Materials Science, Mechanical Engineering, or related field.

Preferably 1-3 years in management of PCB design, fabrication, or R&D (experience with high-frequency/RF, High speed PCBs is a plus).

Knowledge of IPC standards, DFM (Design for Manufacturability), and signal integrity analysis and familiarity with high laminate such as low loss dielectrics is a strong plus

Familiarity with AI/ML applications in PCB design

Experience with thermal management, EMI shielding, or embedded passive/active components.

Knowledge of additive manufacturing (3D printing) for PCBs

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## Company Description