



## **JOB DESCRIPTION**

Job Title	Electronics Engineer
Department	Product Design
Reports to (function)	Lead Electronics Engineer
Location	Forth Dimension Displays Ltd, Dalgety Bay

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### **Job Purpose**

The job holder is responsible for developing electronics for existing microdisplay based products and for contributing to the design of new products supported by the Product Design team.

The technical focus of the role will be on a combination of high-speed digital electronics, related analogue electronic and FPGA design.

The job holder will report to the Lead Electronics Engineer.

### **Key Responsibilities**

- The design and development of ForthDD's world leading specialist products. This will include the debug and verification of prototype units.
- To be involved on the technical issues of the design and development of electronic hardware for ForthDD products.
- Supporting the maintenance of design documentation (requirement specifications, design descriptions, PCB layout requirements, test procedures, etc.)
- Design for cost and manufacturability.
- Any other duties as may be deemed appropriate by your Line Manager.

### **Core Aptitudes**

The employee will be a graduate electronics engineer with some experience of the following:

- Digital electronics circuit design
- Testing and debug techniques for electronic systems

### **Supplementary Aptitudes**

Experience of one or more of the following would be beneficial:

- Mixed Analogue/Digital circuit design
- HDL coding (VHDL/Verilog/System Verilog) of FPGA or ASIC designs
- PCB design
- Schematic design and capture and design processes
- Video/graphics interfacing (HDMI/DisplayPort/SDI etc.)

### **General**

Good problem-solving skills and ingenuity  
Resourcefulness, creativity, and inventiveness  
Ability to meet deadlines and work under pressure  
Good communicator  
Self-motivator  
Good interpersonal skills  
Strong team player

*Location:* St. David's Business Park, Dalgety Bay, Fife; a small amount of travel may be required.

Currently, the role is based in the Company's facility in St. David's Business Park but flexibility around a combination of on- and off-site working is supported.

*Hours of work:* 39-hour week, Monday to Friday, 8.30 – 5.00 the company offers certain flexibility/change of the core working hours in the line with the FDD Flexible Working Policy, however, flexibility regarding working hours is also expected from the employee.

**Benefits package:** 30 days annual leave (plus five statutory days), competitive personal pension scheme with company contribution, life assurance scheme.

### **Company Info**

Forth Dimension Displays (ForthDD) ([www.forthdd.com](http://www.forthdd.com)) is a world leading supplier of high resolution Microdisplays / Spatial Light Modulators (SLMs) for application such as Near-To-Eye viewers and Structured Light Projection.

ForthDD's High Definition microdisplay solutions are built on a Ferroelectric Liquid

FDD1

Crystal On Silicon (FLCOS) architecture using proprietary Time Domain Imaging (TDI™) technology. Optimized for performance, its fast-switching liquid crystal, combined with proprietary electronics and software, enables ForthDD's microdisplays to process images in microseconds, delivering the highest image quality, free from analogue artefacts.

The company is a wholly owned subsidiary of a US publicly traded corporation: Kopin Corporation (NASDAQ: KOPN)