



## Job Description

<b>Position title:</b>	<b>Hardware Engineer (Graduate)</b>	
<b>Location:</b>	Hamilton	
<b>Reports to (role):</b>	Hardware Manager, Card Group Manager	
<b>Main purpose:</b>	<p>Working within the Card development group, this role will provide Hardware Design support for the Endace Hardware development team. Duties will include:</p> <ul style="list-style-type: none"> <li>• Schematic entry</li> <li>• PCB layout</li> <li>• Hardware Simulation (Spice, Eldo, Hyperlynx)</li> <li>• MTBF analysis</li> <li>• library management</li> <li>• Assembly and test of electronic prototypes</li> </ul>	
<b>Dimensions:</b>	<b>Staff managed:</b>	<b>Direct:</b> None
	<b>Budget:</b>	<b>Indirect:</b>
	<b>Financial DA: (OPEX &amp; CAPEX)</b>	
<b>Key Relationships</b>	<p><b>Internal</b></p> <ul style="list-style-type: none"> <li>• Hardware Manager</li> <li>• QA Manager</li> </ul> <p><b>External</b></p> <ul style="list-style-type: none"> <li>• N/a</li> </ul>	
<b>Job Level</b>	Graduate – work under the Supervision of Senior Hardware Engineers or Hardware Manager	
<b>Essential Skills and Experience</b>	<ul style="list-style-type: none"> <li>• Basic skills in Electronics Engineering.</li> </ul>	
<b>Specific Role Requirements</b>	<ul style="list-style-type: none"> <li>• Tertiary qualifications in engineering (mechanical/electrical) or science qualification.</li> </ul>	
<b>Preferred Role Requirements</b>	<ul style="list-style-type: none"> <li>• Electronic Hardware Design</li> </ul>	
<b>Key accountabilities</b>	<p><b>Responsible for</b></p> <ul style="list-style-type: none"> <li>• Design of Electronic Hardware to schematic level using Mentor PADS PowerPCB tools for equipment as specified by the Hardware Manager.</li> <li>• Design and PCB layout of High Speed multilayer PCB's using Mentor Power PCB tools.</li> <li>• Hardware Design Simulation using Mentor Hyperlynx.</li> <li>• Maintenance and accuracy of all Libraries and databases used in the creation and production of Hardware.</li> </ul>	

<b>Cont/d</b>	<ul style="list-style-type: none"> <li>• Development of testing and hardware design verification methodologies for new and existing hardware designs using the resources of internal Firmware (VHDL) and Software teams.</li> <li>• Preparation and management of Production documentation required for the manufacture of new and existing Hardware with external sub contractors.</li> <li>• Assisting construction staff to ensure timely completion of equipment.</li> </ul> <p>General</p> <ul style="list-style-type: none"> <li>• Achieving agreed objectives.</li> <li>• Taking initiative to ensure technical skills are kept up to date in line with industry developments.</li> <li>• Performance of any other duties Endace may reasonably require him or her to perform.</li> </ul>
<b>Performance and Bonus Assessment (KPIs)</b>	See Key Accountabilities above. Effectiveness of work as part of a team.
<b>Business Compliance</b>	Ensure a sound understanding of, demonstrate commitment to and comply with all legislation and Endace Policy relevant to his or her role and all activities undertaken in that role.