

Pin Assignments

Digilent DIO4 Peripheral Board Virtex-II Development Board

Board Manuals available on the ESE171 Website

<p style="text-align: center;">External LEDs</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-bottom: 10px;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Pin</th> </tr> </thead> <tbody> <tr><td>LDG</td><td>V7</td></tr> <tr><td>LD1</td><td>T8</td></tr> <tr><td>LD2</td><td>U5</td></tr> <tr><td>LD3</td><td>W2</td></tr> <tr><td>LD4</td><td>U9</td></tr> <tr><td>LD5</td><td>V4</td></tr> <tr><td>LD6</td><td>Y1</td></tr> <tr><td>LD7</td><td>U8</td></tr> <tr><td>LD8</td><td>V6</td></tr> </tbody> </table> <p>LD1 = Right-most LED LD8 = Left-most LED <i>(Marked on board)</i></p>	Name	Pin	LDG	V7	LD1	T8	LD2	U5	LD3	W2	LD4	U9	LD5	V4	LD6	Y1	LD7	U8	LD8	V6	<p style="text-align: center;">External Switches</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-bottom: 10px;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Pin</th> </tr> </thead> <tbody> <tr><td>SW1</td><td>N6</td></tr> <tr><td>SW2</td><td>L5</td></tr> <tr><td>SW3</td><td>M2</td></tr> <tr><td>SW4</td><td>P9</td></tr> <tr><td>SW5</td><td>M4</td></tr> <tr><td>SW6</td><td>N1</td></tr> <tr><td>SW7</td><td>P8</td></tr> <tr><td>SW8</td><td>N4</td></tr> </tbody> </table> <p>SW1 = Right-most switch SW8 = Left-most switch <i>(Marked on board)</i></p>	Name	Pin	SW1	N6	SW2	L5	SW3	M2	SW4	P9	SW5	M4	SW6	N1	SW7	P8	SW8	N4	<p style="text-align: center;">Seven-Segment Display <i>(note the pin order)</i></p> <table border="1" style="width: 100%; border-collapse: collapse; margin-bottom: 10px;"> <thead> <tr> <th colspan="2" style="text-align: center;">Anodes</th> </tr> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Pin</th> </tr> </thead> <tbody> <tr><td>AN1 (MSB)</td><td>W4</td></tr> <tr><td>AN2</td><td>W5</td></tr> <tr><td>AN3</td><td>AB1</td></tr> <tr><td>AN4 (LSB)</td><td>Y4</td></tr> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: center;">Cathodes</th> </tr> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Pin</th> </tr> </thead> <tbody> <tr><td>A (MSB)</td><td>N5</td></tr> <tr><td>B</td><td>L4</td></tr> <tr><td>C</td><td>N2</td></tr> <tr><td>D</td><td>R9</td></tr> <tr><td>E</td><td>M3</td></tr> <tr><td>F</td><td>P1</td></tr> <tr><td>G (LSB)</td><td>P7</td></tr> </tbody> </table>	Anodes		Name	Pin	AN1 (MSB)	W4	AN2	W5	AN3	AB1	AN4 (LSB)	Y4	Cathodes		Name	Pin	A (MSB)	N5	B	L4	C	N2	D	R9	E	M3	F	P1	G (LSB)	P7
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