

## **Design Exercise Keypad connections**

Ribbon cable (with IDC connector) must be connected to the keypad with the ribbon cable running away ABOVE the keypad (not going underneath) and the keypad pins must be pushed into the IDC row nearest the polarity locator tab on the IDC connector's case, not the other row. In this way the keypad is connected as below.

Each row of key switches is related to a particular connection, similarly each column of keyswitches is associated with a particular connection.

The Micro Dn numbers relate to the Freescale port connection numbers.

		<b>Micro D2 (PTD3)</b>	<b>Micro D1 (PTA2)</b>	<b>Micro D0 (PTA1)</b>
		Keypad connect F	Keypad connect E	Keypad connect D
<b>Micro D6 (PTA12)</b>	Keypad connect K	Key "1"	Key "2"	Key "3"
<b>Micro D5 (PTA4)</b>	Keypad connect J	Key "4"	Key "5"	Key "6"
<b>Micro D4 (PTA5)</b>	Keypad connect H	Key "7"	Key "8"	Key "9"
<b>Micro D3 (PTC8)</b>	Keypad connect G	Key "*"	Key "0"	Key "#"