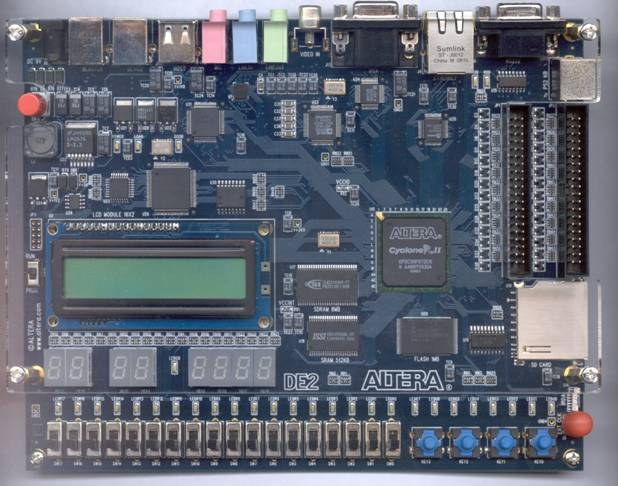
**Port E at address $00400008**

Connected to the inner (left most) 40 pin expansion header on the DE2 (see below). Check DE2 user manual for further info. If you are unsure which pins are which, write a little 68k assembler program to write to or read from the port.

Input Port E (i.e. read from Address $00400008 e.g. move.b $00400008,d0 )

|  |  |  |
| --- | --- | --- |
| InPortE[7]  InPortE[6]  InPortE[5]  InPortE[4]  InPortE[3]  InPortE[2]  InPortE[1]  InPortE[0] | PIN\_T22  PIN\_R20  PIN\_R24  PIN\_R25  PIN\_P24  PIN\_N24  PIN\_M25  PIN\_M24 | GPIO\_1[15] GPIO\_1[14] GPIO\_1[13] GPIO\_1[12] GPIO\_1[11]  GPIO\_1[10]  GPIO\_1[9]  GPIO\_1[8] |



Output Port E (i.e. write to address $00400008, e.g. move.b d0,$00400008)

|  |  |  |
| --- | --- | --- |
| OutPortE[7]  OutPortE[6]  OutPortE[5]  OutPortE[4]  OutPortE[3]  OutPortE[2]  OutPortE[1]  OutPortE[0] | PIN\_M21  PIN\_N20  PIN\_M20  PIN\_M19  PIN\_M23  PIN\_M22  PIN\_K26  PIN\_K25 | GPIO\_1[7] GPIO\_1[6] GPIO\_1[5] GPIO\_1[4] GPIO\_1[3]  GPIO\_1[2]  GPIO\_1[1]  GPIO\_1[0] |

