PORTS assignment for project

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| PORT assignment | Component | Port connection |
| PORT A | Potentiometer | RA0, RA1, RA2 |
|  | X16 (Left) | RA4 |
| PORT B | S7 | RB0 |
|  | S2 | RB2 |
|  | S3 | RB3 |
|  | LED 4 | RB5 |
| PORT C | LED 5, LED2 | RC1 |
|  | LED 3 | RC3 |
|  | INT\_SPK | RC2 |
|  | E | RC7 |
|  | RS | RC6 |
| PORT D | D0 | RD0 |
|  | D1 | RD1 |
|  | D2 | RD2 |
|  | D3 | RD3 |
|  | D4 | RD4 |
|  | D5 | RD5 |
|  | D6 | RD6 |
|  | D7 | RD7 |
| PORT E | OUT | RE0 |