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1: /*****
2:  * ATxmega library for port and pin manipulation - Version 1.0 *
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17: *****/
18:
19: #ifndef _PORTAS_INCLUDED_
20: #define _PORTAS_INCLUDED_
21:
22: #pragma used+
23:
24: //Defines the pins direction of the prta port
25: //io => each bit defines the pin direction (0 => input; 1 => output)
26: void prta_DIR(unsigned char prta, unsigned char io);
27:
28: //Places the byt byte on the prta port
29: void prta_OUT(unsigned char prta, unsigned char byt);
30:
31: //Defines the port pin *door as input
32: void pin_INPUT(char *door);
33:
34: //Defines the port pin *door output
35: void pin_OUTPUT(char *door);
36:
37: //Sets the port pin *door as high (v=1) or low (v=0)
38: void putpin(unsigned char *door, unsigned char v);
39:
40: //Receives a byte from port prta
41: unsigned char prta_IN(unsigned char prta);
42:
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43: //Reads the port pin (high = 1, low = 0)
44: unsigned char getpin(unsigned char *door);
45:
46: //Toggles the port pin
47: void togglepin(unsigned char *door);
48:
49: #pragma used-
50:
51: #pragma library portas.lib
52:
53: #endif
```