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1  /*-----*\
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3  * Date      : 7th june 2017
4  * Diploma  : RaspiHome
5  * Classroom : T.IS-E2B
6  *
7  * Description:
8  *   RaspiHomePiFaceDigital2 is a program who use
9  *   a PiFace Digital 2, it's an electronic card who
10 *   can be use to plug electronic component. This
11 *   program use the PiFace Digital 2 to activate
12 *   light and store.
13 \*-----*/
14
15 namespace RaspiHomePiFaceDigital2
16 {
17     public class PiFaceDigital2
18     {
19         // Output
20         public const byte LED0 = 0x08;    // I/O Direction Register
21         public const byte LED1 = 0x09;    // 1 = Input (default), 0 = Output
22         public const byte LED2 = 0x0A;    // MCP23x17 Input Polarity Register
23         public const byte LED3 = 0x0B;    // 0 = Normal (default)(low reads as 0), 1 = Inverted (low reads as 1)
24         public const byte LED4 = 0x0C;    // MCP23x17 Interrupt on Change Pin Assignements
25         public const byte LED5 = 0x0D;    // 1 = Input (default), 0 = Output
26         public const byte LED6 = 0x0E;    // MCP23x17 Input Polarity Register
27         public const byte LED7 = 0x0F;    // 0 = Normal (default)(low reads as 0), 1 = Inverted (low reads as 1)
28
29         // Input
30         public const byte IN0 = 0x00;    // I/O Direction Register
31         public const byte IN1 = 0x01;    // 1 = Input (default), 0 = Output
32         public const byte IN2 = 0x02;    // MCP23x17 Input Polarity Register
33         public const byte IN3 = 0x03;    // 0 = Normal (default)(low reads as 0), 1 = Inverted (low reads as 1)
34         public const byte IN4 = 0x04;    // MCP23x17 Interrupt on Change Pin Assignements
35         public const byte IN5 = 0x05;    // 1 = Input (default), 0 = Output
36         public const byte IN6 = 0x06;    // MCP23x17 Input Polarity Register
37         public const byte IN7 = 0x07;    // 0 = Normal (default)(low reads as 0), 1 = Inverted (low reads as 1)
38
39         // Switch / Button
40         public const byte Sw0 = IN0;    // I/O Direction Register
41         public const byte Sw1 = IN1;    // 1 = Input (default), 0 = Output
42         public const byte Sw2 = IN2;    // MCP23x17 Input Polarity Register
43         public const byte Sw3 = IN3;    // 0 = Normal (default)(low reads as 0), 1 = Inverted (low reads as 1)
44
45         // Relay
46         public const byte RelayA = LED1; // MCP23x17 Input Polarity Register
47         public const byte RelayB = LED0; // 0 = Normal (default)(low reads as 0), 1 = Inverted (low reads as 1)

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48 }

49 }

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