

```

1  /*****
2  *
3  *   TLC5973
4  *   TLC5973
5  *   TLC5973
6  *   TLC5973
7  *   TLC5973
8  *
9  *****/
10 *
11 * File       : TLC5973.c
12 * Version    : 1.0
13 *
14 *****/
15 *
16 * Description : Interface and data conversion for TLC5973
17 *
18 *****/
19 *
20 * Author      : Miguel Santos
21 * Date        : 14.09.2023
22 *
23 *****/
24 *
25 * MPLAB X     : 5.45
26 * XC32        : 2.50
27 * Harmony     : 2.06
28 *
29 *****/
30
31 #ifndef TLC5973_H
32 #define TLC5973_H
33
34 /*****/
35
36 #include <stdint.h>
37 #include <stdbool.h>
38 #include <stddef.h>
39
40 /*****/
41
42 typedef enum{
43     TLC_DRV_ID_0 = 0x00,
44     TLC_DRV_ID_1 = 0x01,
45     TLC_DRV_ID_2 = 0x02,
46 }E_TLC_DRV_ID;
47
48 /*****/
49
50 void TLC_Initialize( void );
51
52 /*****/
53
54 bool TLC_Transmit( void );
55
56 /*****/
57
58 bool TLC_SetAll(uint16_t out0, uint16_t out1, uint16_t out2);
59
60 /*****/
61
62 bool TLC_SetDriver(E_TLC_DRV_ID driver, uint16_t out0, uint16_t out1, uint16_t out2);
63
64 /*****/
65
66 #endif /* TLC5973_H */
67
68 /* *****/
69 End of File
70 */
71

```