

74LS595

STCP = LATCH  
 SH-CR = CLOCK  
 DS = DATA  
 OE = GND  
 MR = +5V

|     | 1 | 2 | 4 | 8 | 16 | 32 | 64 | 128 | Com | Com | PN  |
|-----|---|---|---|---|----|----|----|-----|-----|-----|-----|
| Seq | A | B | C | D | E  | F  | G  | dp  | Com | Com | PN  |
| ∅   | 0 | 0 | 0 | 0 | 0  | 0  | 1  | 0   | 1   | 0   | 192 |
| 1   | 1 | 0 | 0 | 1 | 1  | 1  | 1  | 0   | 1   | 0   | 249 |
| 2   | 0 | 0 | 1 | 0 | 0  | 1  | 0  | 1   | 1   | 0   | 164 |
| 3   | 0 | 0 | 1 | 0 | 1  | 1  | 0  | 1   | 1   | 0   | 176 |
| 4   | 1 | 0 | 0 | 1 | 1  | 0  | 0  | 1   | 1   | 0   | 153 |
| 5   | 0 | 1 | 0 | 0 | 1  | 0  | 1  | 1   | 1   | 0   | 146 |
| 6   | 0 | 1 | 0 | 0 | 0  | 0  | 1  | 1   | 0   | 1   | 130 |
| 7   | 0 | 0 | 1 | 0 | 1  | 1  | 1  | 0   | 1   | 0   | 248 |
| 8   | 0 | 0 | 1 | 0 | 0  | 1  | 1  | 1   | 0   | 1   | 128 |
| 9   | 0 | 0 | 1 | 0 | 1  | 1  | 0  | 1   | 0   | 1   | 152 |
| A   | 0 | 0 | 1 | 0 | 1  | 1  | 0  | 1   | 0   | 1   | 247 |
| B   | 1 | 1 | 0 | 0 | 0  | 1  | 0  | 1   | 0   | 1   | 252 |
| C   | 1 | 1 | 0 | 0 | 1  | 0  | 1  | 0   | 1   | 1   | 216 |
| d   | 1 | 0 | 0 | 0 | 1  | 0  | 1  | 0   | 1   | 1   | 222 |
| E   | 0 | 1 | 1 | 1 | 0  | 1  | 0  | 1   | 0   | 1   | 249 |
| F   | 0 | 1 | 1 | 1 | 0  | 0  | 1  | 0   | 1   | 1   | 241 |
| T   | 0 | 1 | 1 | 1 | 0  | 0  | 0  | 0   | 1   | 1   | 14  |

