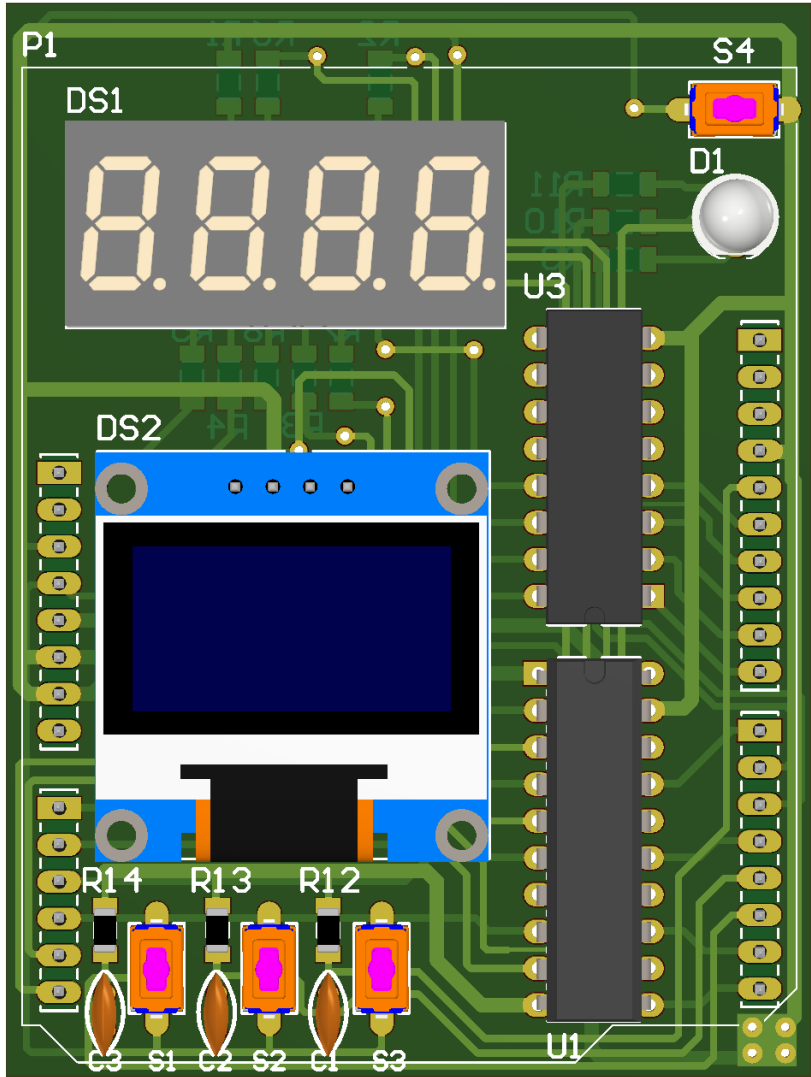
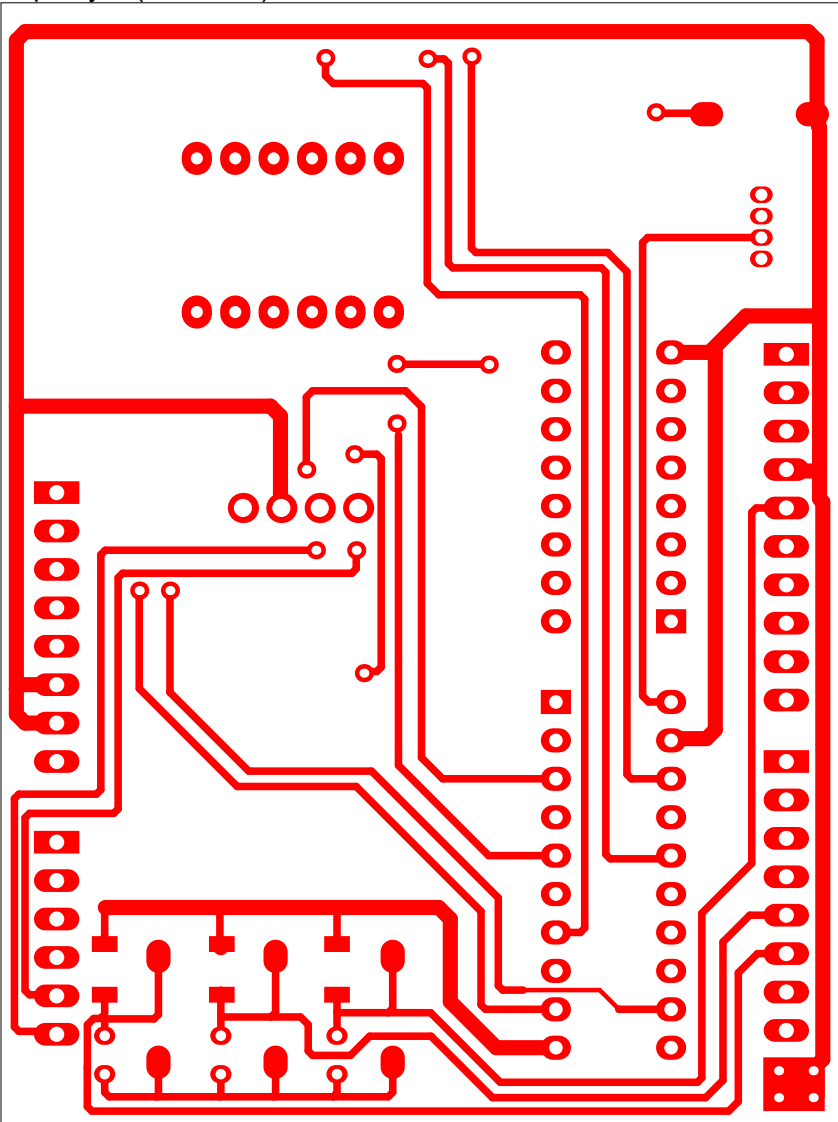


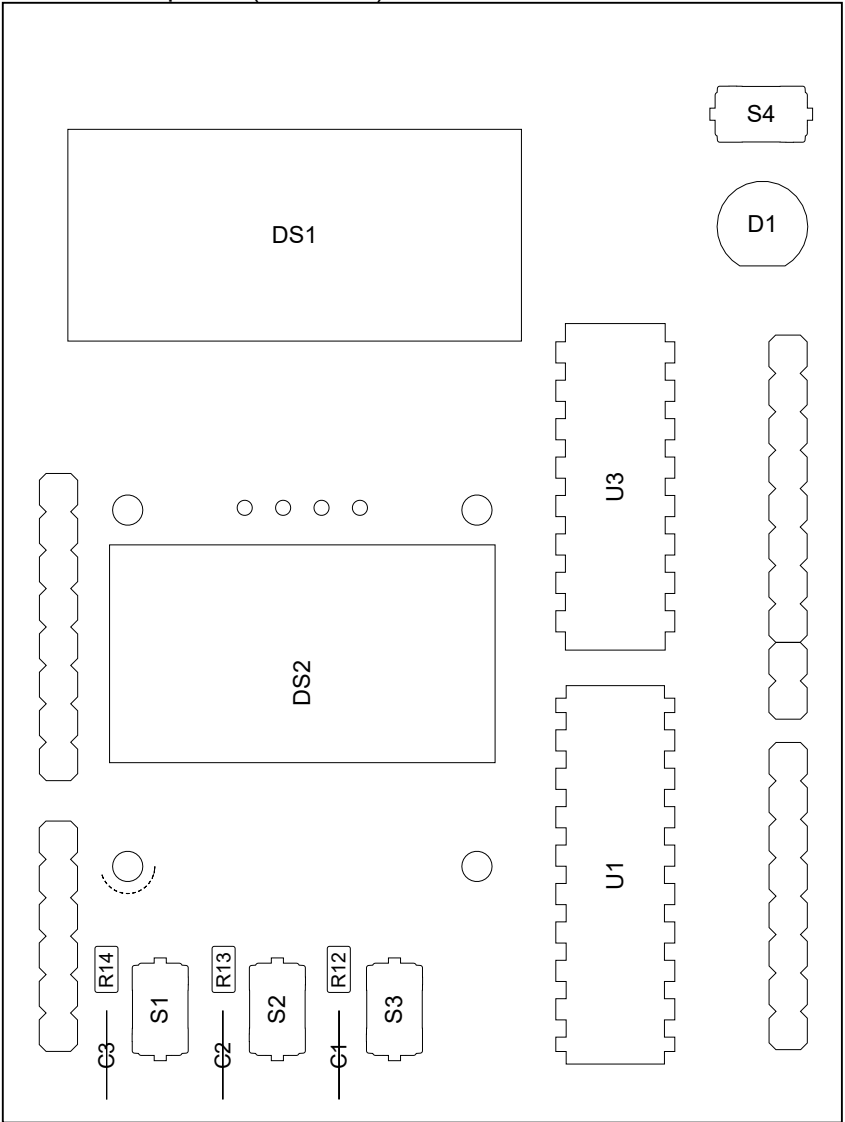
Realistic View



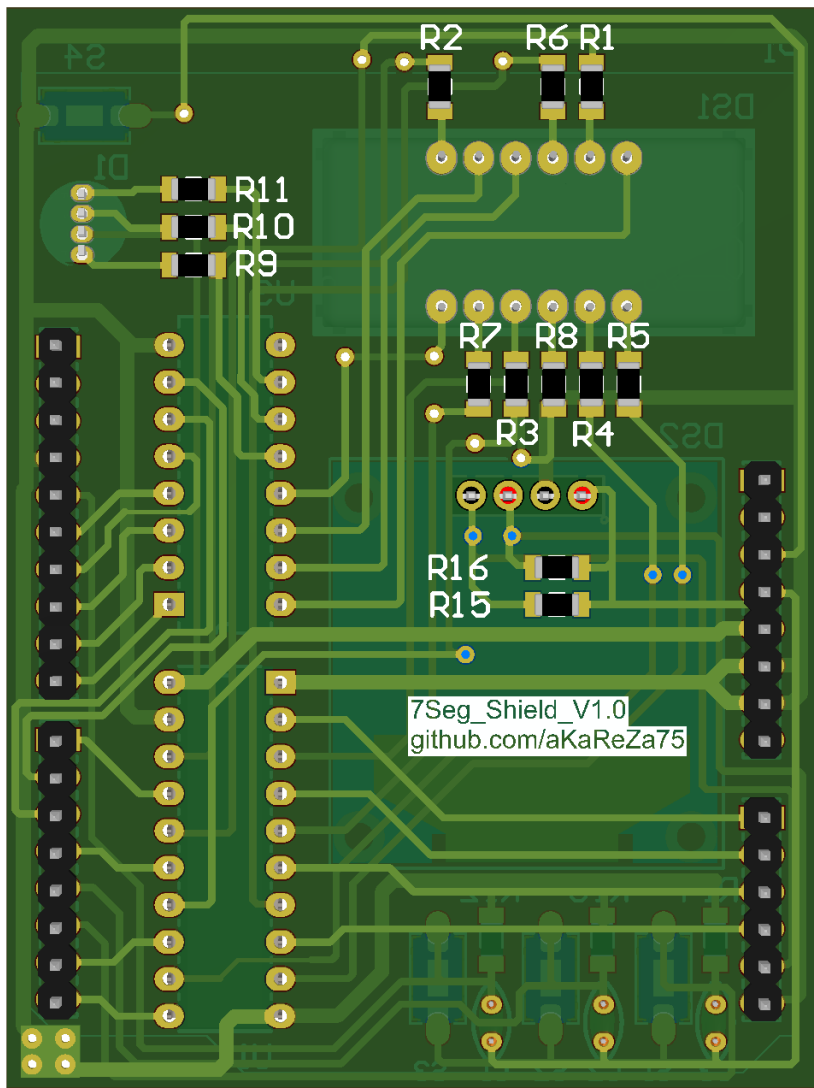
Top Layer (Scale 2:1)



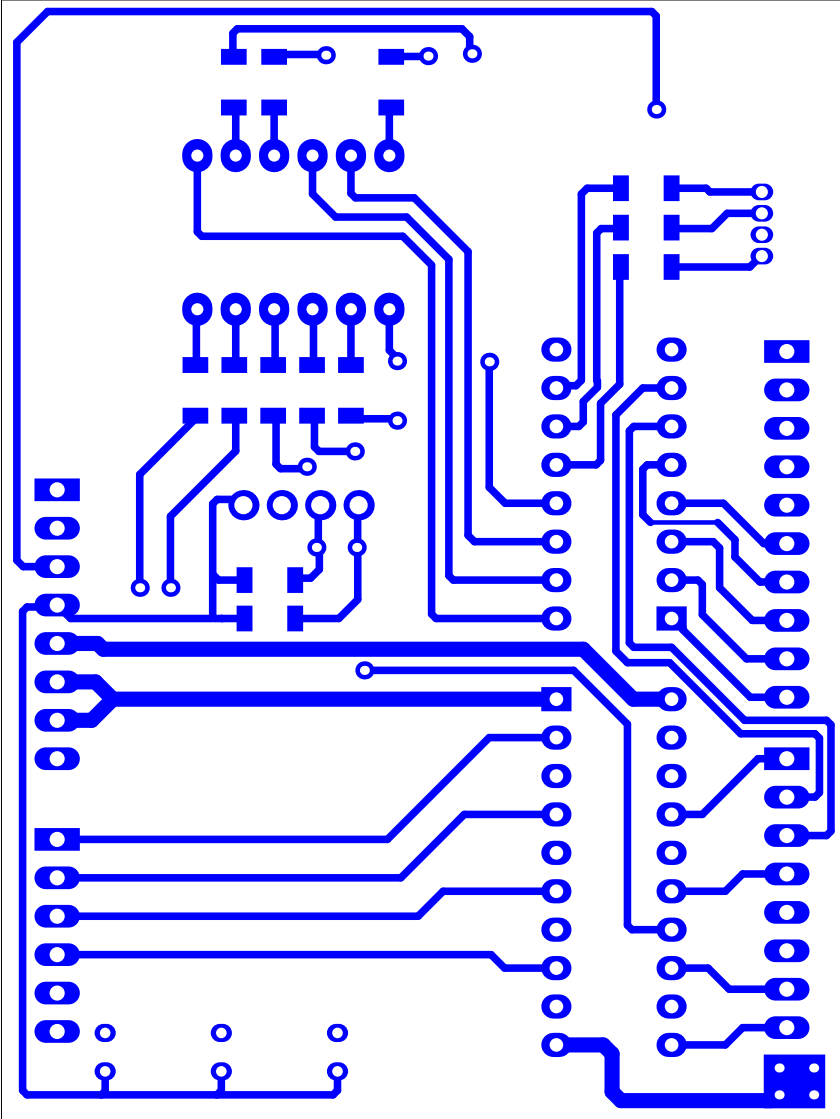
View from Top side (Scale 2:1)



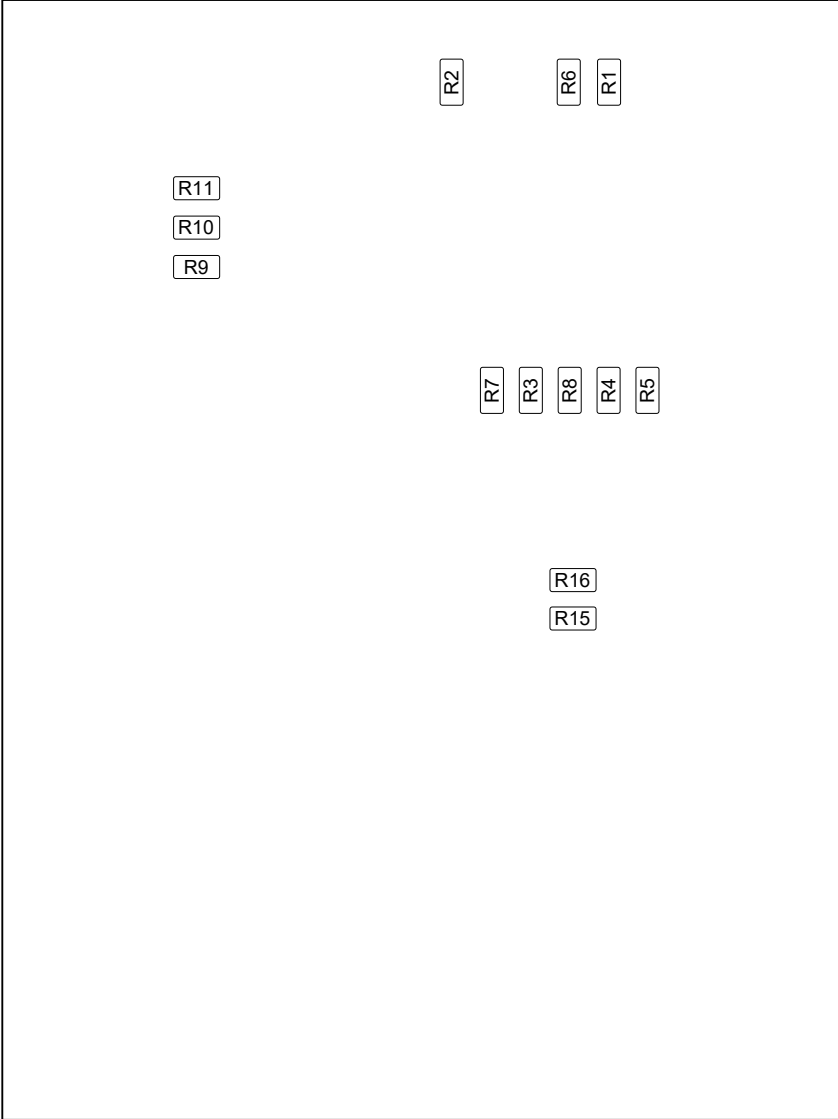
Realistic View





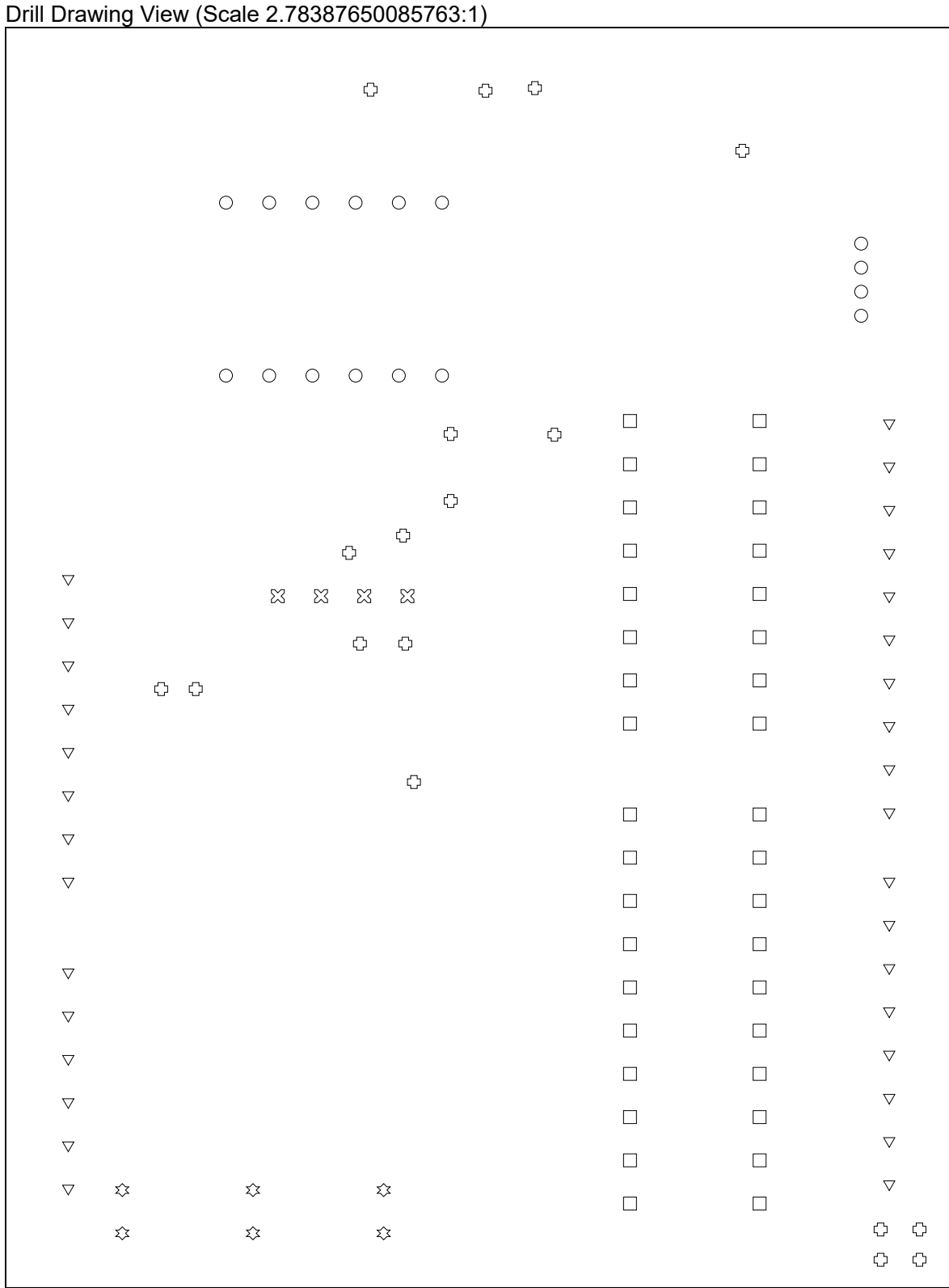
Bottom Layer (Scale 2:1)



View from Bottom side (Scale 2:1)

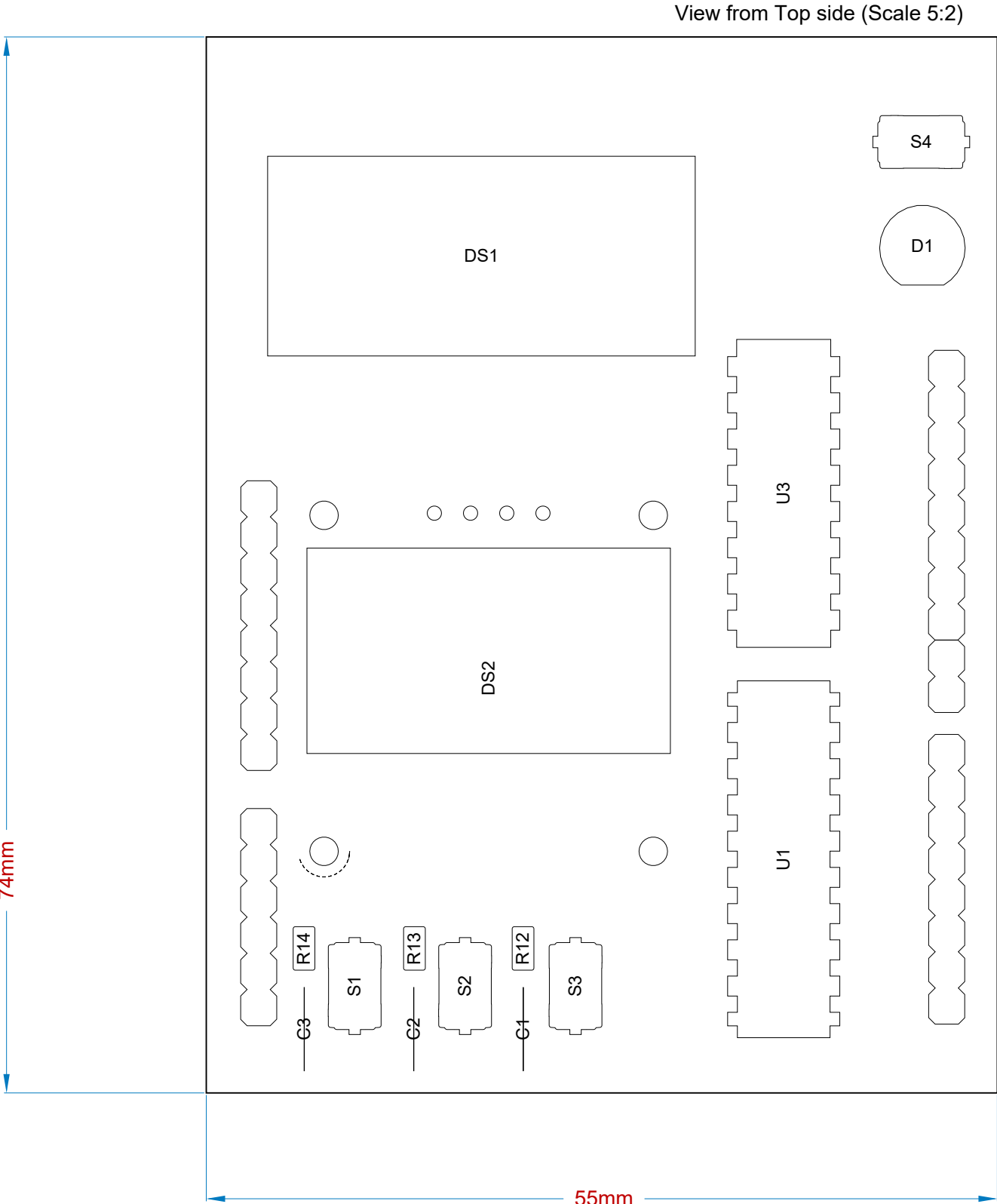


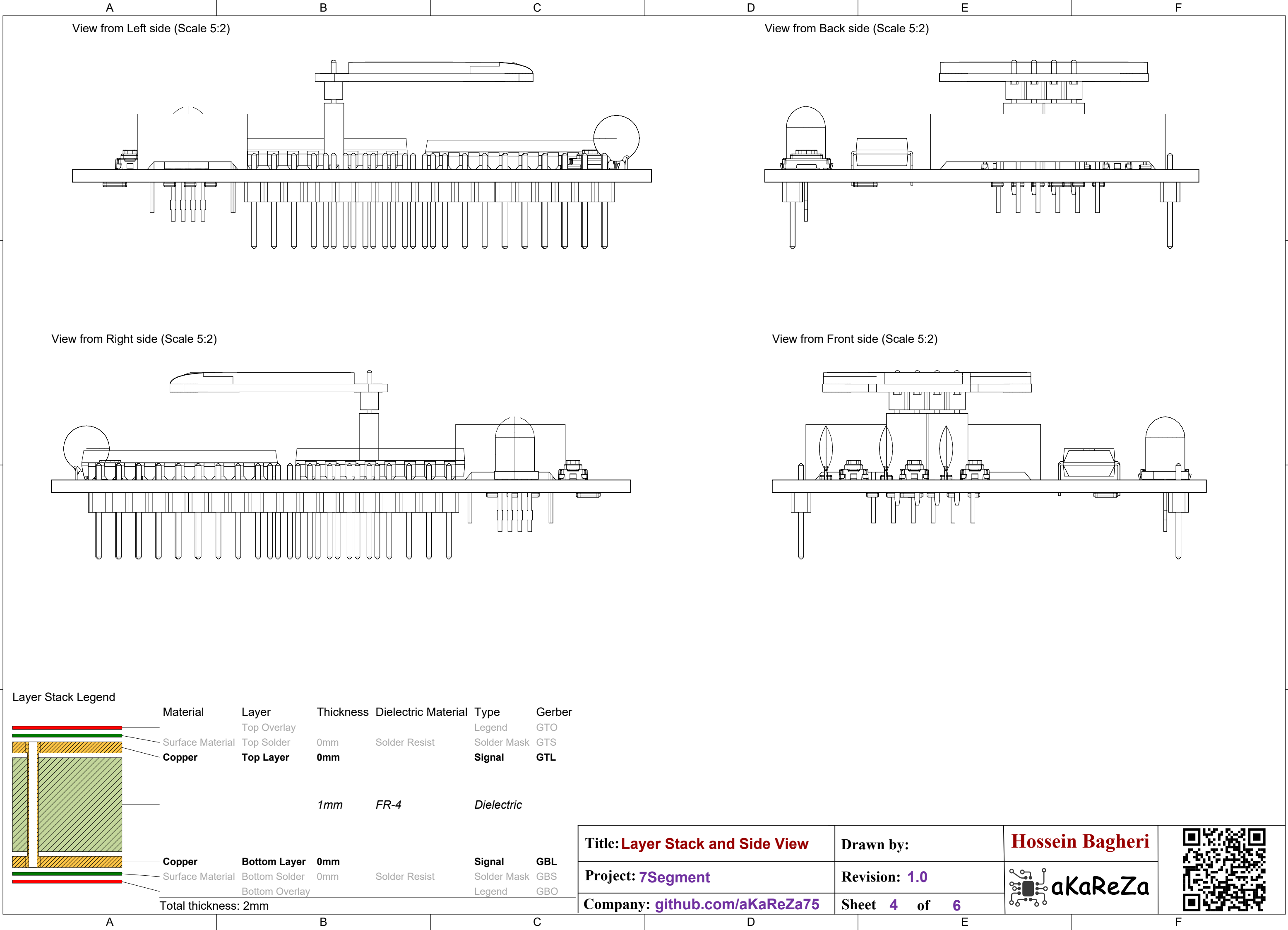
|                                      |                            |  |   |
|--------------------------------------|----------------------------|--|---|
| Title: <b>Bottom View</b>            | Drawn by:                  | <b>Hossein Bagheri</b>   |  |
| Project: <b>7Segment</b>             | Revision: <b>1.0</b>       |  <b>aKaReZa</b> |   |
| Company: <b>github.com/aKaReZa75</b> | Sheet <b>2</b> of <b>6</b> |  |   |

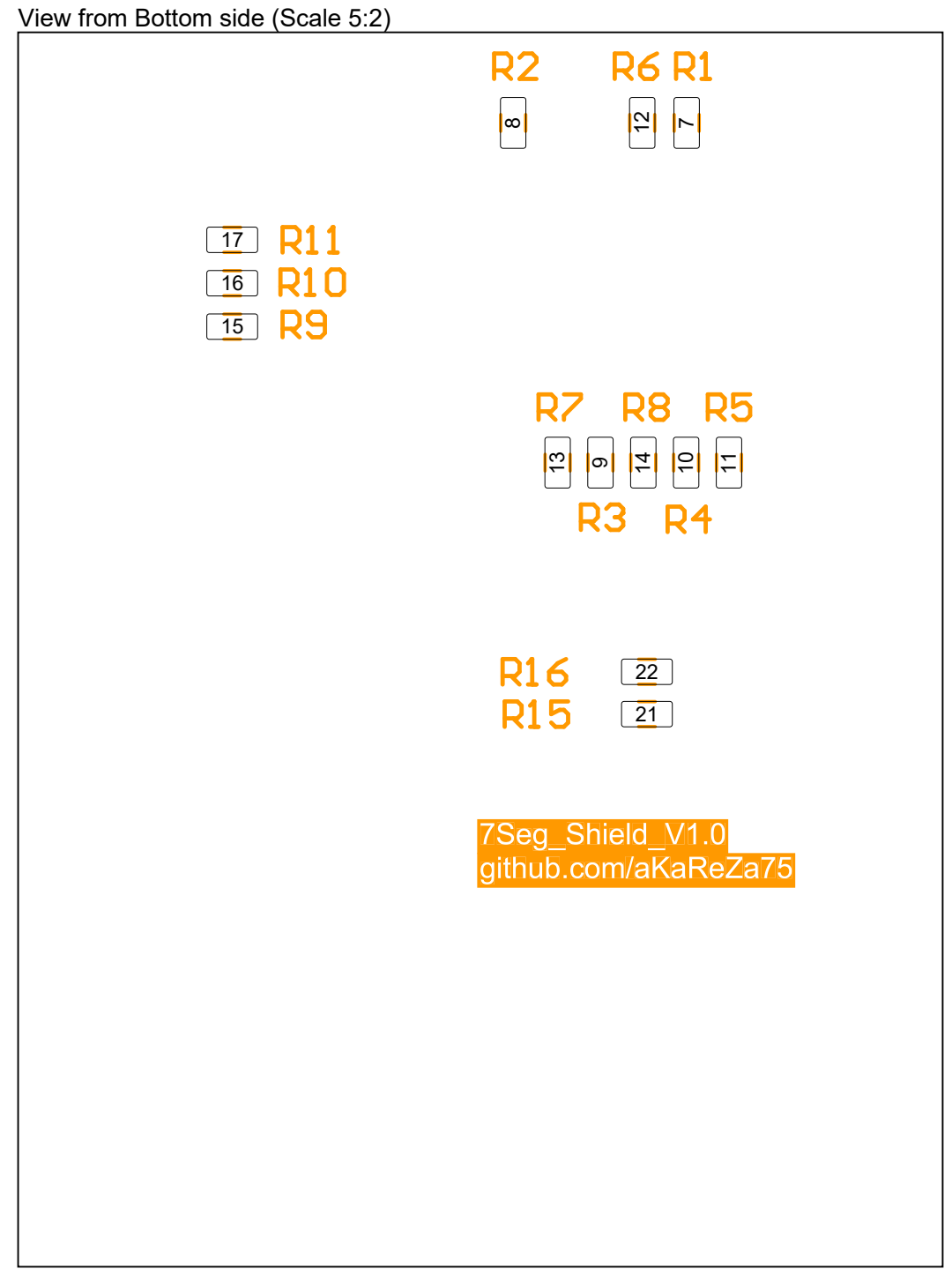
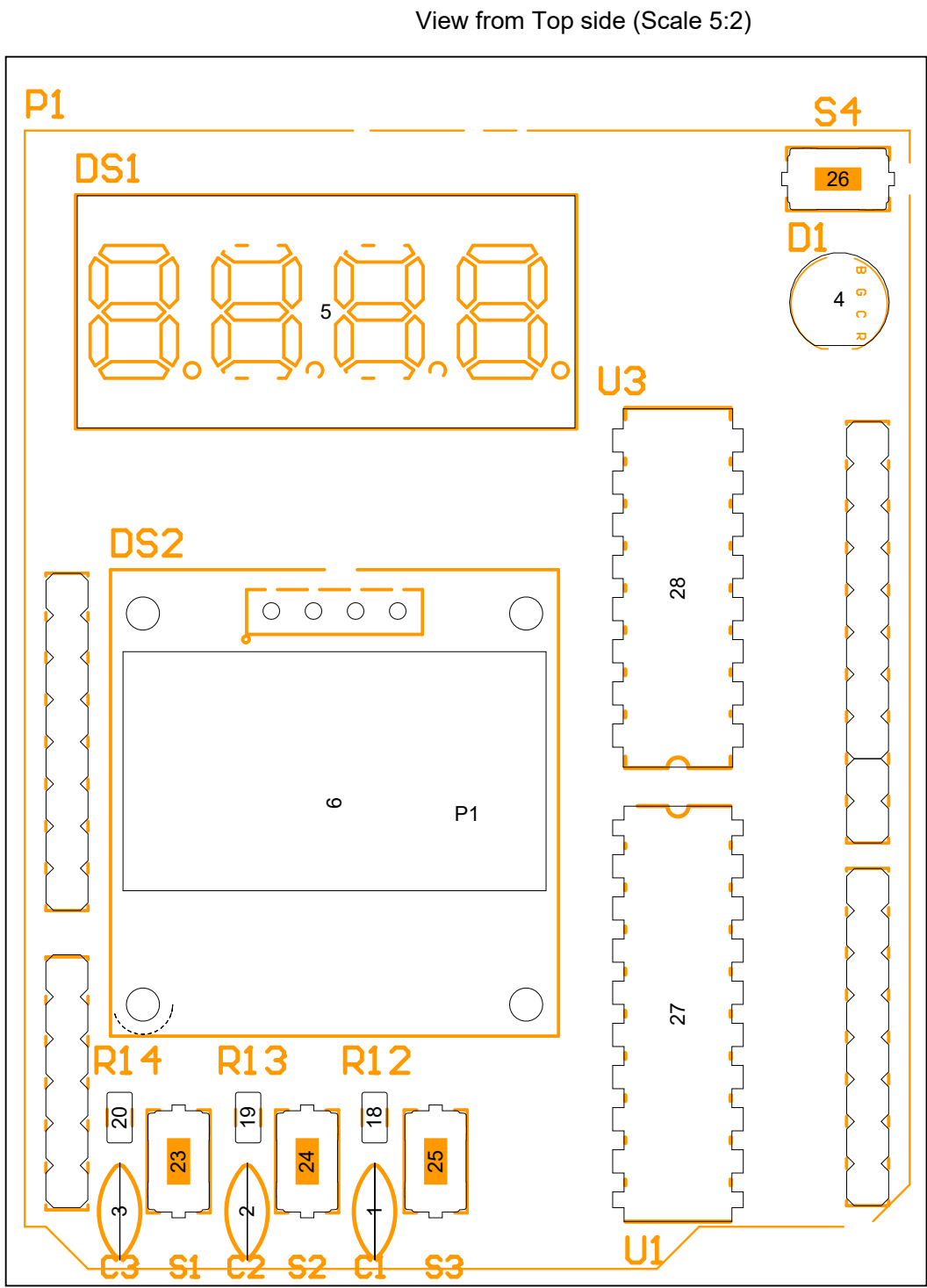


Drill Table

| Symbol    | Count | Hole Size | Plated | Hole Tolerance |
|-----------|-------|-----------|--------|----------------|
| ⊕         | 18    | 1mm       | Plated |                |
| ✱         | 6     | 1mm       | Plated |                |
| ○         | 16    | 1mm       | Plated |                |
| □         | 36    | 1mm       | Plated |                |
| ▽         | 32    | 1mm       | Plated |                |
| ⊗         | 4     | 1mm       | Plated |                |
| 112 Total |       |           |        |                |







| A                 |            | B           |                        | C                          |          | D       |                       | E           |  | F |  |
|-------------------|------------|-------------|------------------------|----------------------------|----------|---------|-----------------------|-------------|--|---|--|
| Bill Of Materials |            |             |                        |                            |          |         |                       |             |  |   |  |
| Line #            | Designator | Comment     | Library Ref            | Footprint                  | Package  | Rating  | Type                  | Value       |  |   |  |
| 1                 | C1         | 100n        | Cap_Multi_THT          | Cap - 100nF                | Package? | Rating? | Type?                 | 100n        |  |   |  |
| 2                 | C2         | 100n        | Cap_Multi_THT          | Cap - 100nF                | Package? | Rating? | Type?                 | 100n        |  |   |  |
| 3                 | C3         | 100n        | Cap_Multi_THT          | Cap - 100nF                | Package? | Rating? | Type?                 | 100n        |  |   |  |
| 4                 | D1         | RGB         | Semi_LED_RGB_THT       | RGB_DIP                    | Dip      | 5V      | CA                    | RGB         |  |   |  |
| 5                 | DS1        | 4Digit, Red | ModSen_7Seg_MPX4_CC    | 7Seg-MPX4-30.2x14.1mm      | Package? | Rating? | Type?                 | 4Digit, Red |  |   |  |
| 6                 | DS2        | SSD1306     | ModSen_LCD_Oled_0.96_2 | OLED_SSD1306_64_I2C        | 0.96     | 128x64  | OLED                  | SSD1306     |  |   |  |
| 7                 | R1         | 470b        | Res_SMD_1206           | RES 1206 (3216X08L)        | 1206     | 0.25W   | 10%                   | 470b        |  |   |  |
| 8                 | R2         | 470b        | Res_SMD_1206           | RES 1206 (3216X08L)        | 1206     | 0.25W   | 10%                   | 470b        |  |   |  |
| 9                 | R3         | 470b        | Res_SMD_1206           | RES 1206 (3216X08L)        | 1206     | 0.25W   | 10%                   | 470b        |  |   |  |
| 10                | R4         | 470b        | Res_SMD_1206           | RES 1206 (3216X08L)        | 1206     | 0.25W   | 10%                   | 470b        |  |   |  |
| 11                | R5         | 470b        | Res_SMD_1206           | RES 1206 (3216X08L)        | 1206     | 0.25W   | 10%                   | 470b        |  |   |  |
| 12                | R6         | 470b        | Res_SMD_1206           | RES 1206 (3216X08L)        | 1206     | 0.25W   | 10%                   | 470b        |  |   |  |
| 13                | R7         | 470b        | Res_SMD_1206           | RES 1206 (3216X08L)        | 1206     | 0.25W   | 10%                   | 470b        |  |   |  |
| 14                | R8         | 470b        | Res_SMD_1206           | RES 1206 (3216X08L)        | 1206     | 0.25W   | 10%                   | 470b        |  |   |  |
| 15                | R9         | 470b        | Res_SMD_1206           | RES 1206 (3216X08L)        | 1206     | 0.25W   | 10%                   | 470b        |  |   |  |
| 16                | R10        | 470b        | Res_SMD_1206           | RES 1206 (3216X08L)        | 1206     | 0.25W   | 10%                   | 470b        |  |   |  |
| 17                | R11        | 470b        | Res_SMD_1206           | RES 1206 (3216X08L)        | 1206     | 0.25W   | 10%                   | 470b        |  |   |  |
| 18                | R12        | 4.7K        | Res_SMD_1206           | RES 1206 (3216X08L)        | 1206     | 0.25W   | 10%                   | 4.7K        |  |   |  |
| 19                | R13        | 4.7K        | Res_SMD_1206           | RES 1206 (3216X08L)        | 1206     | 0.25W   | 10%                   | 4.7K        |  |   |  |
| 20                | R14        | 4.7K        | Res_SMD_1206           | RES 1206 (3216X08L)        | 1206     | 0.25W   | 10%                   | 4.7K        |  |   |  |
| 21                | R15        | 4.7K        | Res_SMD_1206           | RES 1206 (3216X08L)        | 1206     | 0.25W   | 10%                   | 4.7K        |  |   |  |
| 22                | R16        | 4.7K        | Res_SMD_1206           | RES 1206 (3216X08L)        | 1206     | 0.25W   | 10%                   | 4.7K        |  |   |  |
| 23                | S1         | PB          | SW_PushButton_2_SMD    | SW_PB_SMD_2PIN_S_PST_6X3X2 | SMD      | 2b      | Vertical              | PB          |  |   |  |
| 24                | S2         | PB          | SW_PushButton_2_SMD    | SW_PB_SMD_2PIN_S_PST_6X3X2 | SMD      | 2b      | Vertical              | PB          |  |   |  |
| 25                | S3         | PB          | SW_PushButton_2_SMD    | SW_PB_SMD_2PIN_S_PST_6X3X2 | SMD      | 2b      | Vertical              | PB          |  |   |  |
| 26                | S4         | PB          | SW_PushButton_2_SMD    | SW_PB_SMD_2PIN_S_PST_6X3X2 | SMD      | 2b      | Vertical              | PB          |  |   |  |
| 27                | U1         | 74HCT244    | IC_Logic_74HCT244      | PDIP20                     | Dip      | 8b      | 3-State Non-Inverting | 74HCT244    |  |   |  |
| 28                | U3         | ULN2003     | IC_Driver_ULN2003      | CDIP16                     | SO-16    | Rating? | Driver                | ULN2003     |  |   |  |
|                   |            |             |                        |                            |          |         |                       |             |  |   |  |
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