

# GCC Code Coverage Report

Directory: <a href="#">src/</a>	Exec	Total	Coverage
Date: <a href="#">2022-03-20 00:27:22</a>	Lines: 0	13	0.0 %
Legend: low: < 75.0 % medium: >= 75.0 % high: >= 90.0 %	Branches: 0	10	0.0 %

File	Lines			Branches	
<a href="#">ssd1306_common.cpp</a>	<div></div>	0.0 %	0 / 13	0.0 %	0 / 10

Generated by: [GCOVR \(Version 4.2\)](#)

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File: <a href="#">src/ssd1306_common.cpp</a>	Lines: 0	13	0.0 %
Date: 2022-03-20 00:27:22	Branches: 0	10	0.0 %

Line	Branch	Exec	Source
1			// MIT License
2			
3			// Copyright (c) 2022 Chris Sutton
4			
5			// Permission is hereby granted, free of charge, to any person obtaining a copy
6			// of this software and associated documentation files (the "Software"), to deal
7			// in the Software without restriction, including without limitation the rights
8			// to use, copy, modify, merge, publish, distribute, sublicense, and/or sell
9			// copies of the Software, and to permit persons to whom the Software is
10			// furnished to do so, subject to the following conditions:
11			
12			// The above copyright notice and this permission notice shall be included in all
13			// copies or substantial portions of the Software.
14			
15			// THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
16			// IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY,
17			// FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE
18			// AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER
19			// LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,
20			// OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE
21			// SOFTWARE.
22			
23			#include <ssd1306_common.hpp>
24			
25			namespace ssd1306
26			{
27			
28			void CommonFunctions::fill(Colour colour)
29			{
30			for(auto &pixel : m_buffer)
31			{
32			pixel = (colour == Colour::Black) ? 0x00 : 0xFF;
33			}
34			}
35			
36			void CommonFunctions::draw_pixel(uint8_t x, uint8_t y, Colour colour)
37			{
38			// Draw in the right color
39			if(colour == Colour::White)
40			{
41			m_buffer[x + (y / 8) * m_page_width]  = 1 << (y % 8);
42			#ifdef ENABLE_SSD1306_TEST_STDOUT
43			std::cout << "1";
44			#endif
45			}
46			else
47			{
48			m_buffer[x + (y / 8) * m_page_width] &= ~(1 << (y % 8));
49			#ifdef ENABLE_SSD1306_TEST_STDOUT
50			std::cout << "_";
51			#endif
52			}
53			}
54			
55			bool CommonFunctions::set_cursor(uint8_t x, uint8_t y)
56			{
57			if(x >= m_page_width    y >= m_height)
58			{
59			return false;
60			}
61			else
62			{
63			m_currentx = x;
64			m_currenty = y;
65			}
66			return true;
67			}

68			
69			
70			
71			
72			} // namespace ssd1306