

1

2

3

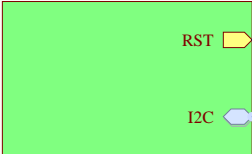
4

A

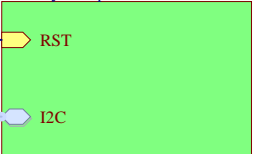
A

Top_Level.SchDoc

Modules.SchDoc



Security Components.SchDoc



Connectors and Cables.SchDoc



Mechanical.SchDoc



Logo Carenuity



Logo1



Logo2



Logo3

B

B

C

C

D

D

1

2

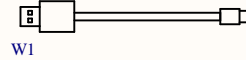
3

4

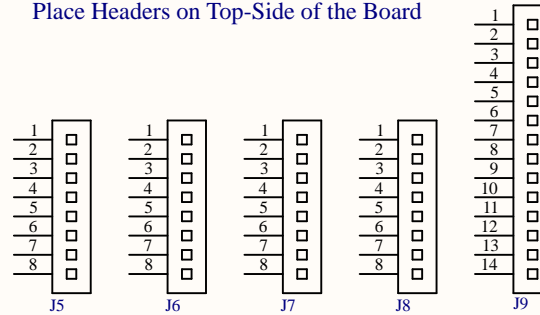
Connectors and Cables.SchDoc

Included USB cable

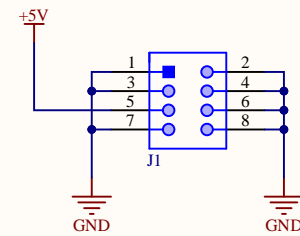
Type A M - Type C M - 1M























Place Headers on Top-Side of the Board



Power Connector, bottom side



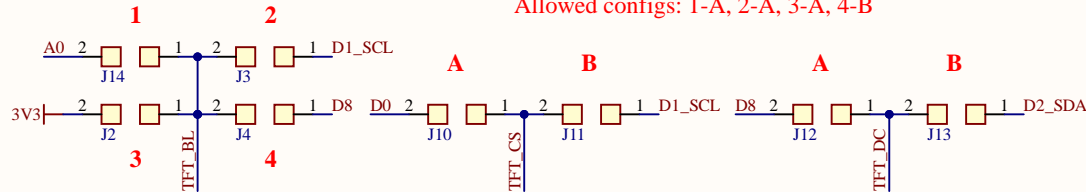
Mechanical.SchDoc

<p>Top-side Fiducials</p> <div><div>FD1</div><div>Fiducial</div></div> <div><div>FD2</div><div>Fiducial</div></div> <div><div>FD3</div><div>Fiducial</div></div> <div><div>FD4</div><div>Fiducial</div></div>	<p>LCD Mounting hardware</p> <div><div>MP1</div><div>M3x6mm</div></div> <div><div>MP2</div><div>M3x6mm</div></div> <div><div>MP3</div><div>M3x6mm</div></div> <div><div>MP4</div><div>M3x6mm</div></div>
<p>Bottom-side Fiducials</p> <div><div>FD5</div><div>Fiducial</div></div> <div><div>FD6</div><div>Fiducial</div></div> <div><div>FD7</div><div>Fiducial</div></div> <div><div>FD8</div><div>Fiducial</div></div>	<div><div>MP5</div><div>M3 11mm F-F</div></div> <div><div>MP6</div><div>M3 11mm F-F</div></div> <div><div>MP7</div><div>M3 11mm F-F</div></div> <div><div>MP8</div><div>M3 11mm F-F</div></div>
	<div><div>MP9</div><div>M3x6mm</div></div> <div><div>MP10</div><div>M3x6mm</div></div> <div><div>MP11</div><div>M3x6mm</div></div> <div><div>MP12</div><div>M3x6mm</div></div>

Modules.SchDoc

Mode selection jumpers

Allowed configs: 1-A, 2-A, 3-A, 4-B

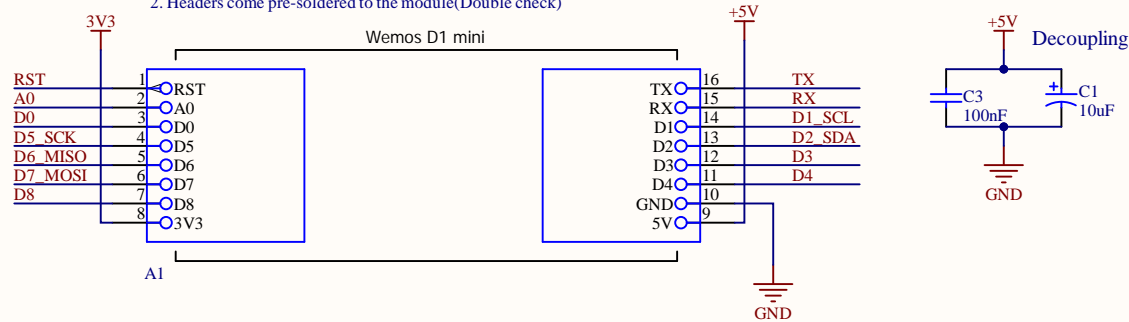


Wemos D1 mini

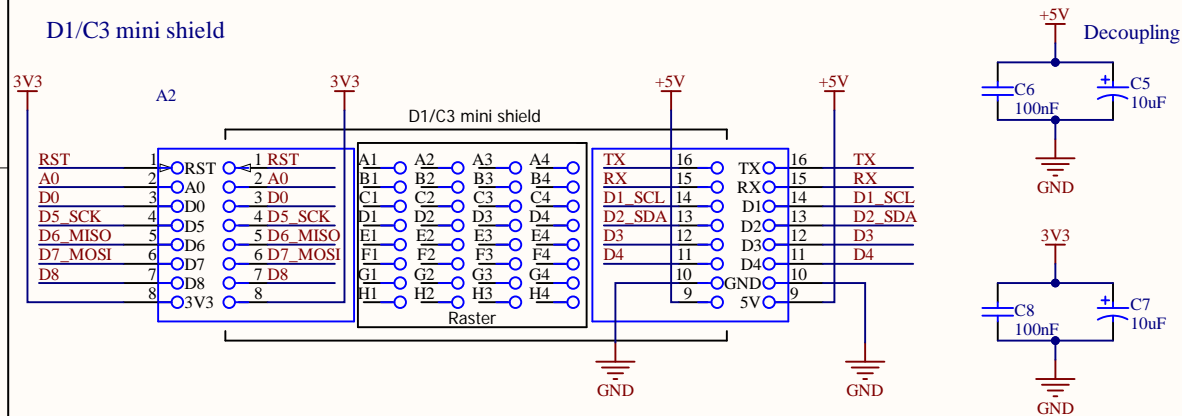
MAIN DEVICE

1. 2 sockets not included(Default 8.5mm insulation height)

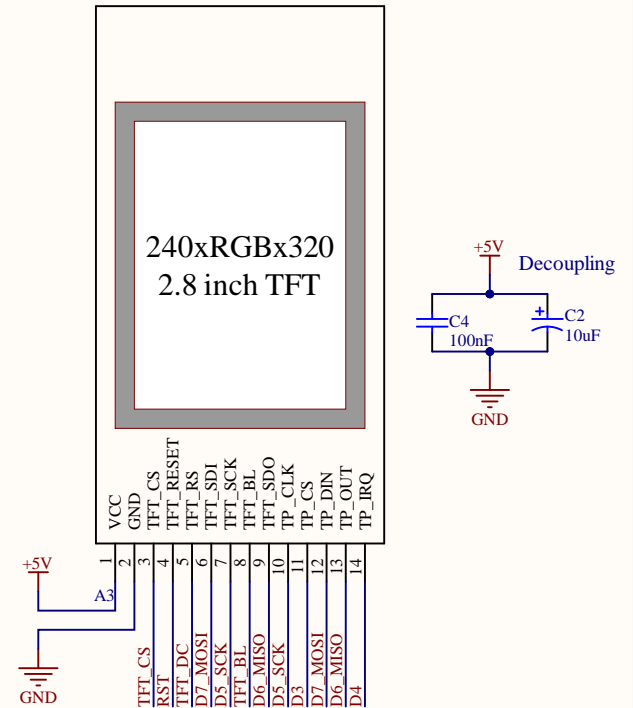
2. Headers come pre-soldered to the module(Double check)



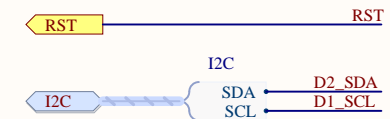
D1/C3 mini shield



LCD Display Module

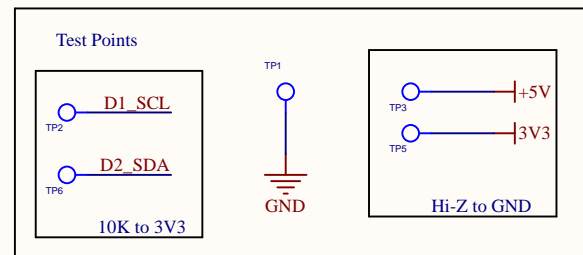
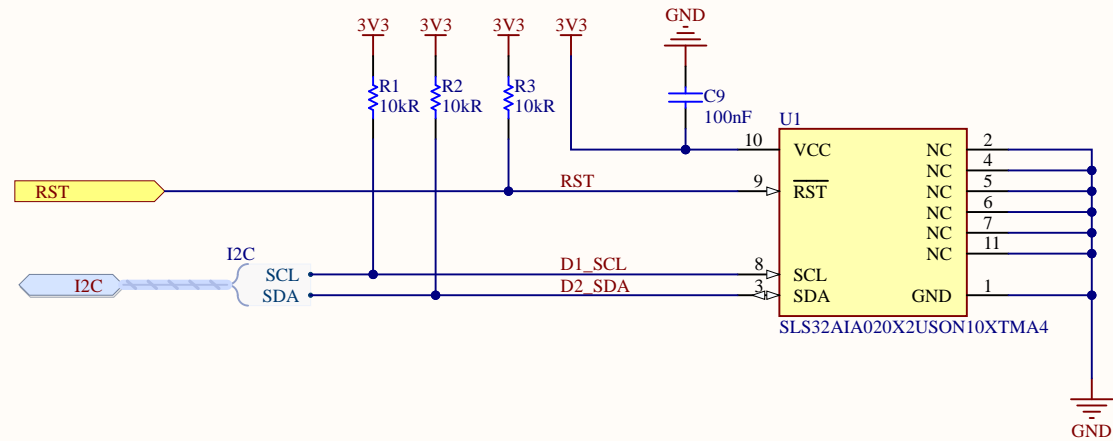


Optiga Trust M connection



Title		
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A4		
Date:	3.19.2025	Sheet of
File:	C:\Users\...\Modules.SchDoc	Drawn By:

Security Components.SchDoc



Title			
Size	Number		Revision
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Date:	3.19.2025		Sheet of
File:	C:\Users\...\Security Components.SchDoc		Drawn By: