

LCD Display

DS1

DS1 Pin	Label	Connection
17	LCD_CS1B	DS1 Pin 17
16	LCD_RES	DS1 Pin 16
15	LCD_A0	DS1 Pin 15
14	LCD_SCL	DS1 Pin 14
13	LCD_SI	DS1 Pin 13
12		
11	VDD	+3V3
10	VSS	DGND
9	VOUT	DS1 Pin 9
8	C1+	DS1 Pin 8
7	C2+	DS1 Pin 7
6	C2-	DS1 Pin 6
5	V4	DS1 Pin 5
4	V3	DS1 Pin 4
3	V2	DS1 Pin 3
2	V1	DS1 Pin 2
1	V0	DS1 Pin 1

NHD-C12832A1Z-FSW-FBW-3V3

17 LCD_CS1B
16 LCD_RES
15 LCD_A0
14 LCD_SCL
13 LCD_SI
12
11 VDD
10 VSS
9 VOUT
8 C1+
7 C2+
6 C2-
5 V4
4 V3
3 V2
2 V1
1 V0

+3V3
C1 1uF
C2 1uF Tantalum
C3 1uF Tantalum
C4 100nF
C5 100nF
C6 100nF
C7 100nF
C8 100nF
DGND

61300811121

P1

P1 Pin	Label	Connection
1	LCD_CS1B	P1 Pin 1
2	LCD_RES	P1 Pin 2
3		
4	LCD_A0	P1 Pin 4
5	LCD_SCL	P1 Pin 5
6	LCD_SI	P1 Pin 6
7		
8		

+3V3
DGND

Title		
Size B	Number	Revision
Date:	10/31/2025	Sheet of
File:	D:\Documents\...\LCD.SchDoc	Drawn By:

DS1

3V3

CS1B

RES

A0

SCL

SI

GND

