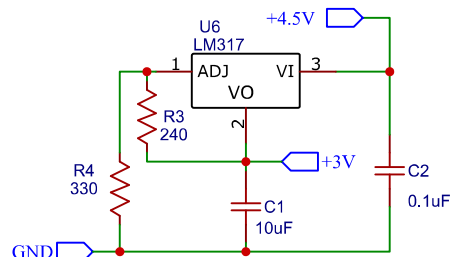


Keypad Truth Table

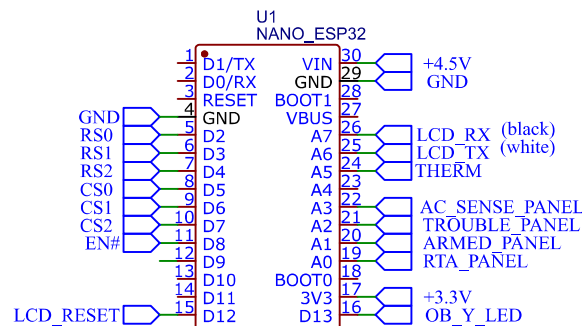
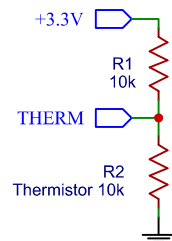
0, R3, C2
1, R0, C1
2, R0, C2
3, R0, C3
4, R1, C1
5, R1, C2
6, R1, C3
7, R2, C1
8, R2, C2
9, R2, C3
*, R3, C1
#, R3, C3
<, R0, C0
>, R1, C0
S, R0, C4
A, R1, C4
C, R2, C4
B, R3, C4
E, R2, C0

Signal Protocol

EN# H, RS, CS, Delay 2ms
EN# L, Delay 200ms -2s
EN# H, Delay 2ms



ESP32 Board for WT5500 Keypad, General Control and Wifi

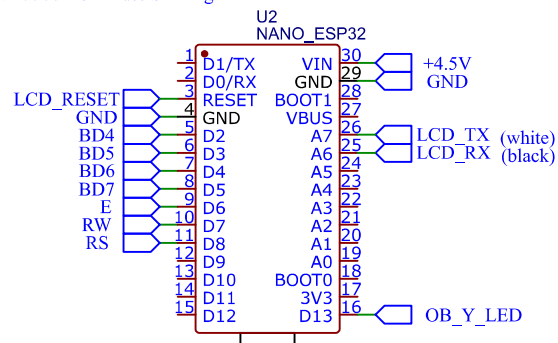
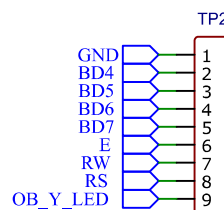


ESP32 Board has a 5k pull up from RESET to +3.3V.

Diode from USB to VIN with Vf -0.6, Vr 60, If 2. 65V to 4.4V ok on VIN with USB connected.

ESP32 internal pull-ups for RTA_PANEL, ARMED_PANEL, TROUBLE_PANEL and AC_SENSE_PANEL

ESP32 Board for WT5500 LCD Buss Sniffing



ESP32 Board has a 5k pull up from RESET to +3.3V.

LCD_TX, LCD_RX, and LCD_RESET relative to U2

ESP32 internal pull-downs for BD4-7, E, RW and RS



TITLE: DSC Impassa Remote Keypad v1		REV: 1.0
EasyEDA	Company: John Wolfe	Sheet: 1/1
	Date: 2025-01-07	Drawn By: jpwolfe31