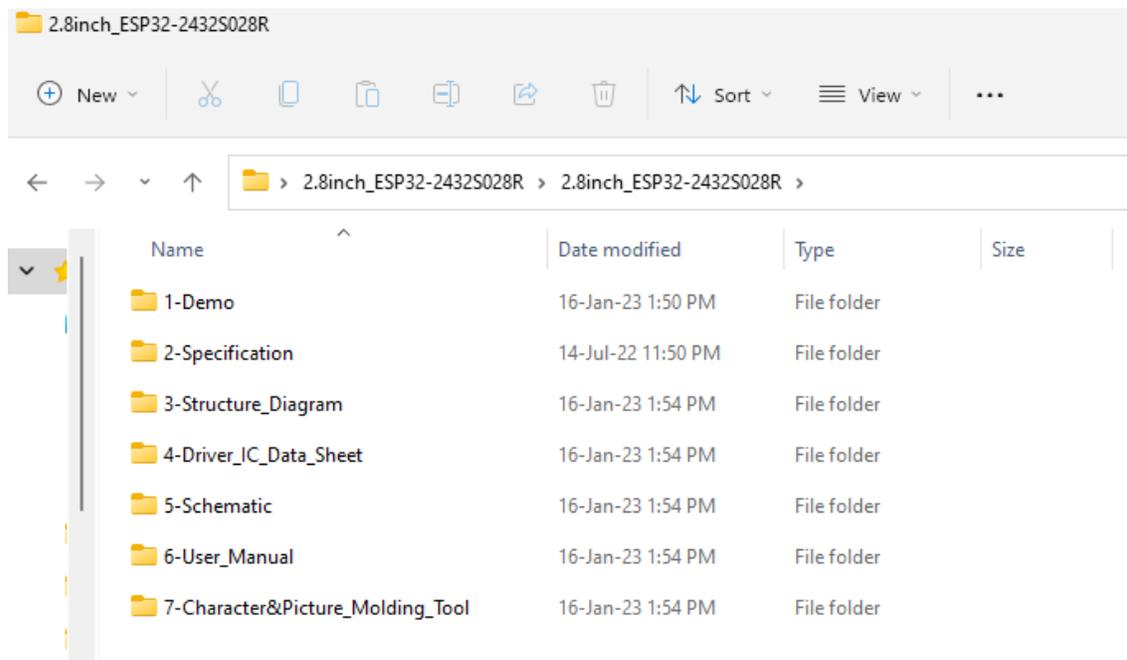


COMO FAZER A GRAVAÇÃO DOS ARQUIVOS DEMO DA PLACA DE DESENVOLVIMENTO ESP32 COM DISPLAY USANDO A ESP-IDF

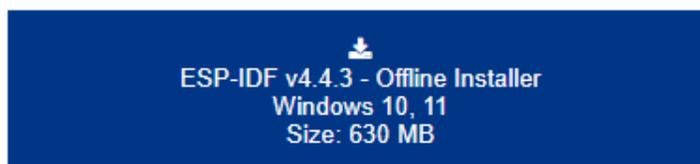
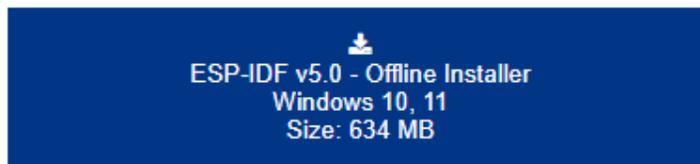
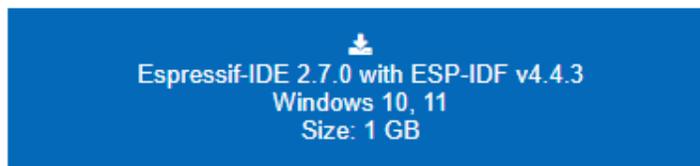
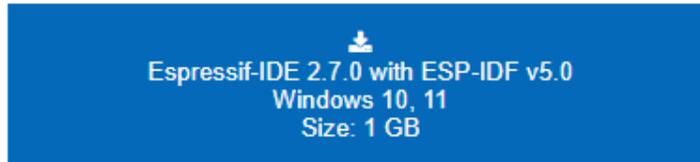
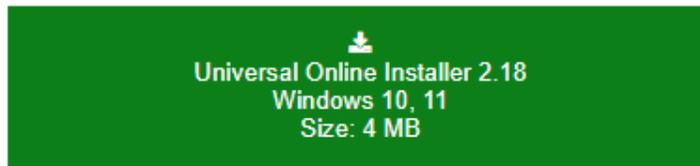
- 1) Baixar arquivos de documentação do produto no link (https://blog.robobuilders.com.br/wp-content/uploads/2023/01/2.8inch_ESP32-2432S028R.zip) e extrair arquivos.



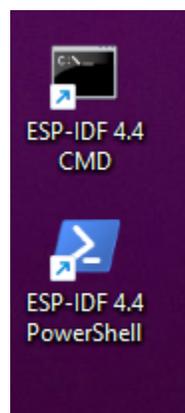
- 2) Baixar e instalar o ambiente de programação da Espressif ESP-IDF (<https://dl.espressif.com/dl/esp-idf/?idf=4.4>). Versão **ESP-IDF 4.43 Offline Installer**.

ESP-IDF Windows Installer Download

Open Source IoT Development Framework for ESP32

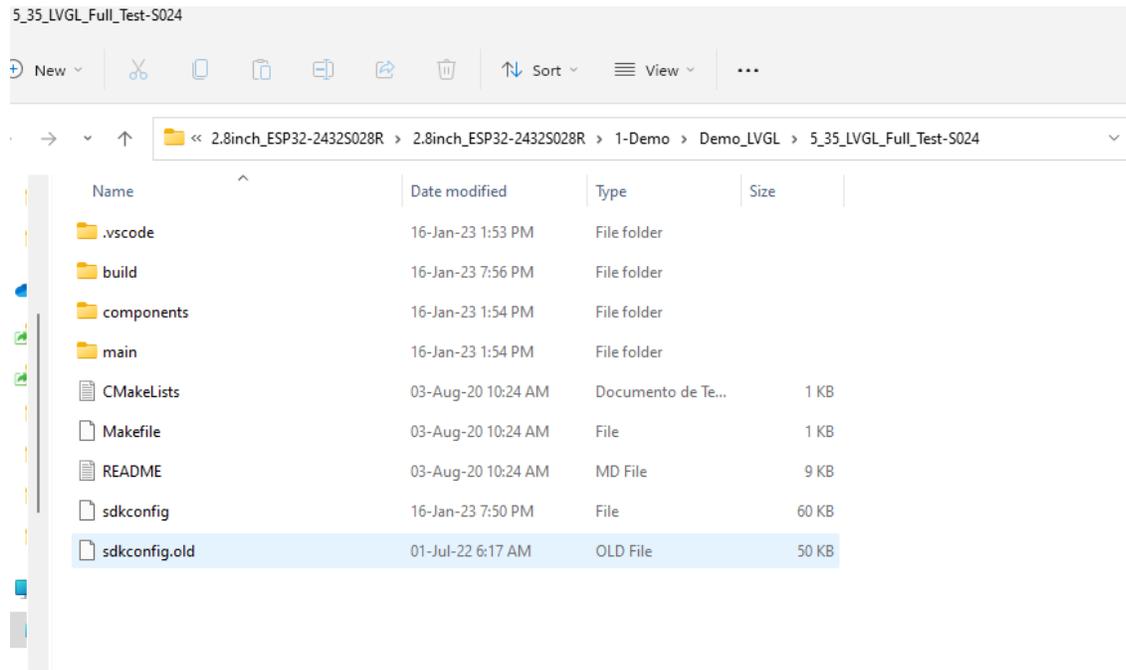


3) No término da instalação, irão aparecer dois atalhos na área de trabalho



4) Abrir o terminal ESP-IDF 4.4 PowerShell

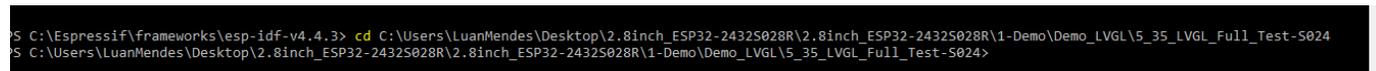
5) Ir até a pasta da documentação do produto baixada no primeiro passo no caminho 1-Demo>Demo_LVGL>LCD_FULL_TEST



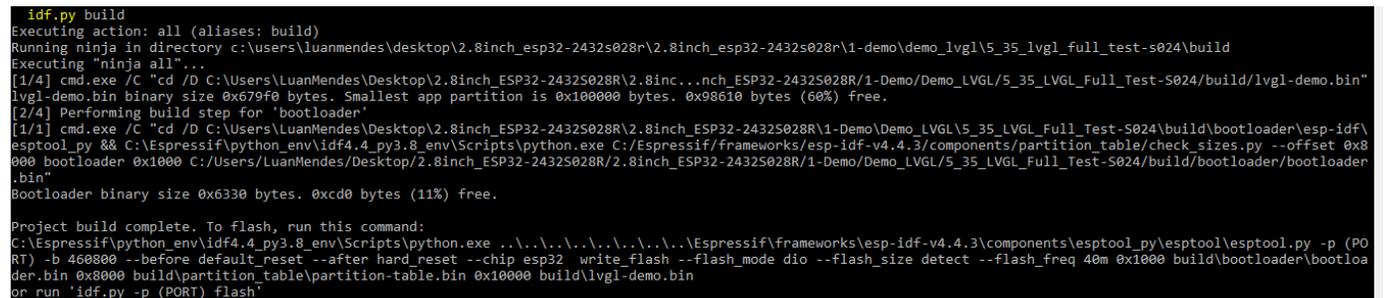
6) Copiar a localização do diretório



7) Ir até o terminal ESP-IDF 4.4 PowerShell aberto e digitar CD (diretório copiado) – meu exemplo



8) Digitar idf.py build



9) Para gravar na placa, digite idf.py -p (PORTA COM CONECTADA) flash – meu exemplo. A porta COM conectada pode ser encontrada no Gerenciador de Dispositivos do Windows

```
4> idf.py -p COM3 flash
```

- 10) Após esse comando, a gravação na placa de desenvolvimento irá começar. Se não retornar nenhum erro, vai aparecer o projeto no display.

```
ESP-IDF 4.4 PowerShell
Chip is ESP32-D0WD-V3 (revision 3)
Features: WiFi, BT, Dual Core, 240MHz, VRef calibration in efuse, Coding Scheme None
Crystal is 40MHz
MAC: 78:21:84:de:44:b0
Uploading stub...
Running stub...
Stub running...
Changing baud rate to 460800
Changed.
Configuring flash size...
Flash will be erased from 0x00001000 to 0x00007fff...
Flash will be erased from 0x00010000 to 0x00077fff...
Flash will be erased from 0x00080000 to 0x0008ffff...
Compressed 25392 bytes to 15892...
Writing at 0x00001000... (100 %)
Wrote 25392 bytes (15892 compressed) at 0x00001000 in 0.8 seconds (effective 266.9 kbit/s)...
Hash of data verified.
Compressed 424432 bytes to 250143...
Writing at 0x00010000... (6 %)
Writing at 0x000189f7... (12 %)
Writing at 0x00022bd7... (18 %)
Writing at 0x0002818d... (25 %)
Writing at 0x0002e104... (31 %)
Writing at 0x00033d64... (37 %)
Writing at 0x00039b4f... (43 %)
Writing at 0x00041146... (50 %)
Writing at 0x00046a99... (56 %)
Writing at 0x0004c864... (62 %)
Writing at 0x0005282c... (68 %)
Writing at 0x00058d21... (75 %)
Writing at 0x0006149a... (81 %)
Writing at 0x0006a244... (87 %)
Writing at 0x000700a5... (93 %)
Writing at 0x00075f3c... (100 %)
Wrote 424432 bytes (250143 compressed) at 0x00010000 in 5.7 seconds (effective 597.0 kbit/s)...
Hash of data verified.
Compressed 3072 bytes to 103...
Writing at 0x00080000... (100 %)
Wrote 3072 bytes (103 compressed) at 0x00080000 in 0.1 seconds (effective 409.1 kbit/s)...
Hash of data verified.

Leaving...
Hard resetting via RTS pin...
Done
PS C:\Users\LuanMendes\Desktop\2.8inch_ESP32-2432S028R\2.8inch_ESP32-2432S028R\1-Demo\Demo_LVGL\5_35_LVGL_Full_Test-S024>
```