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Legend

General comment such as function title, configuration, ...

Text to be added to silkscreen.

Warning text.

Notes to generate the board layout.

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Impedance Constraint \[ \text{Min} = 40.00 \quad \text{Max} = 60.00 \]  
Matched Net Lengths \[ \text{Tolerance} = 5\text{mm} \]  
PSRAM Data, NWE & NOE shared with LCD

Place close to PSRAM
Optional PU and PD to set PB2 when use in BOOT1 alternate function

Exposed central pad should not be connected to any voltage on PCB
FRIDA LCD

Capacitive Touch Panel
LCD RST and CTP RST share the same PID for RST. Active LOW

To support CTPRst A
- CTPRst should be connected to GND
to support CTPRst B
- CTS/PIN should be connected to VISVCC

LCD Backlight
Common mode supply filter

Backlight driver & PFC connector for LCD panel
USB Full Speed operating range voltage: 3.0V<VDDUSB<3.6V

ESD PROTECTION SHOULD BE CLOSE TO THE CONNECTOR
5V_PWR_SELECTION_FROM_EXTERNAL_SOURCES

5V_PWR_FROM_ARDUINO (VIN < 11.5V)

From Arduino power pin VIN

Output: 5V / Up to 800mA

5V_PWR_CHARGER

3V3_PWR

Output: 3V3 / Up to 800mA

Jumper to measure IDD of the MCU VDD_MCU= supply of MCU Power pins

GND_PROBE

Connect only one jumper to supply the DISCO from one of the external 5V.
If the DK board is connected to an external 220/5V USB Charger, used Jumper on pin 7/8.