Table of contents

- Sheet 1: Project overview (this page)
- Sheet 2: Top
- Sheet 3: STM32F746NGH6 Connexion
- Sheet 4: ST-LINK/V2-1 with support of SWD only
- Sheet 5: Joystick, ACP, LEDs and Push Button
- Sheet 6: Audio Codec WOLFSON and connectors
- Sheet 7: Quad SPI Flash Memory (MICRON)
- Sheet 8: Arduino UNO connectors
- Sheet 10: USB OTG FS with Micro A-B connector
- Sheet 9: SDRAM (MICRON)
- Sheet 11: USB OTG HS PHY with Micro A-B connector
- Sheet 12: Ethernet PHY with RJ45 connector
- Sheet 13: External Camera connector
- Sheet 14: LCD 4.3" with Capacitive Touch

Legend

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

Text to be added to silkscreen.

Warning text.

Notes to generate the board layout.

Open Platform License Agreement

The Open Platform License Agreement ("Agreement") is a binding legal contract between you ("You") and STMicroelectronics International N.V. ("ST"), a company incorporated under the laws of the Netherlands acting for the purpose of this Agreement through its Swiss branch 39, Chemin du Champ des Filles, 1228 Plan-les-Ouates, Geneva, Switzerland.

By using the enclosed reference designs, schematics, PC board layouts, and documentation, in hardcopy or CAD tool file format (collectively, the "Reference Material"), You are agreeing to be bound by the terms and conditions of this Agreement. Do not use the Reference Material until You have read and agreed to this Agreement terms and conditions. The use of the Reference Material automatically implies the acceptance of the Agreement terms and conditions.

The complete Open Platform License Agreement can be found on www.st.com/opla.
EXT/RF E2P Connector

MICRO SD (TF) Card

Input pin with pull-up

3V3

R12

R11

R10

R9

R8

R7

R6

R5

R4

R3

R2

R1

EXT_RST

EXT_SCL

EXT_SDA

3V3

GND

sms064FF or sms128FF

IO6 FF-2003-1
Place close SDRAM
Default I2C Address : 01110000

Backlight driver & PFC of LCD panel