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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.

Open Platform License Agreement

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ESD PROTECTION SHOULD BE CLOSE TO THE CONNECTOR
PCB Antenna 15x15mm
See ANT7-T-M24SR-MB1255
5V PWR SELECTION FROM EXTERNAL SOURCES

5V_INPUT_PWR_FROM_ARDUINO
5V / 800mA

From Arduino power pin

3V3_PWR
3V3 / 800mA

Open solder bridge if Discovery is supplied from +3V3 of extension connector

GND_PROBE
100nF should be placed close to the MCU.
10pF and 1K should be placed close to the button.

Title:
Peripherals

Size:
A4

Reference:
MB1297

Project:
IoT Node Discovery Kit

Close
SB1

SB1
Open

SB19

SB18
Close

SB21
Close

SB20
Open

B1
SW-PUSH-CMS_BLACK

B2
SW-PUSH-CMS_BLUE

LED3 (WIFI) & LED4 (BLE)

100nF should be placed close to the MCU.
10pF and 1K should be placed close to the button.

Title:
User & Wake-Up Button

Size:
A4

Reference:
MB1297

Project:
IoT Node Discovery Kit

Close
SB1

SB1
Open

SB19

SB18
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SB21
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Close
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SW-PUSH-CMS_BLUE

LED3 (WIFI) & LED4 (BLE)

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ESD PROTECTION SHOULD BE CLOSE TO THE CONNECTOR

ST-LINK USB CONNECTOR

ST-LINK POWER 3V3 / 150mA

ST-LINK DEBUG

ST-LINK LED

ST-LINK USB Power switch 5V / 1.2A

SWD INTERFACE

SYS_JTMS-SWDO
SYS_JTRK-SWCLK
SYS_JTDO-SWO
STM_NRST

STM-LINK MCU

Note: ST-LINK to J2 with support of SWD only
Project: IoT Node Discovery Kit
Variant: L475VG-S88
Revision: E-21
Reference: MB1297
Size: A4 Date: 05-FEB-21 Sheet: 12 of 12