STM32F7508-DK

MB1191

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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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U_Top
Top.SchDoc

Title: **Project overview**		
Project: **STM32F7508-DK**		
Variant: F750N8H6		
Revision: C-02		Reference: MB1191
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Matched Net Lengths [Tolerance = 100mil]
U_USB_OTG_HS
USB_OTG_HS.SchDoc
NRST
ULPI_D[0..7]
ULPI_CK
ULPI_DIR
ULPI_NXT
ULPI_STP
OTG_HS_OverCurrent
OSC_24M
USB HS
CLOCK
Matched Net Lengths [Tolerance = 100mil]
Camera-Connectors
Camera-Connectors.SchDoc
OSC_24M
DCMI_NRST
DCMI_D[0..7]
DCMI_PWR_EN
DCMI_VSYNC
DCMI_HSYNC
DCMI_PIXCK
DCMI_SDA
DCMI_SCL
CLOCK
DCMI
U_AUDIO
AUDIO.SchDoc
SAI2_SCKA
SAI2_FSA
SAI2_SDA
SAI2_SDB
Audio_INT
AUDIO_SDA
AUDIO_SCL
SAI2_MCLKA
SPDIF_RX0
TP_PH15
U_STM32F7
STM32F7.SchDoc
PA[0..15]
PB[0..15]
PC[0..15]
PD[0..15]
PE[0..15]
PF[0..15]
PG[0..15]
PH[0..15]
PI[0..15]
PJ[0..15]
PK[0..7]
LCD_R[0..7]
LCD_G[0..7]
LCD_B[0..7]
LCD_BL_CTRL
LCD_HSYNC
LCD_CLK
LCD_VSYNC
LCD_DISP
LCD_DE
LCD_RST
LCD_INT
LCD_SDA
LCD_SCL
DCMI_NRST
DCMI_D[0..7]
DCMI_PWR_EN
DCMI_VSYNC
DCMI_HSYNC
DCMI_PIXCK
DCMI_SDA
DCMI_SCL
RMII_RXER
RMII_TXD0
RMII_TX_EN
RMII_RXD0
RMII_REF_CLK
RMII_CRS_DV
RMII_MDC
RMII_MDIO
RMII_TXD1
RMII_RXD1
OTG_FS_PowerSwitchOn
OTG_FS_OverCurrent
OTG_FS_N
OTG_FS_P
OTG_FS_ID
OTG_FS_VBUS
OTG_HS_OverCurrent
ULPI_DIR
ULPI_STP
ULPI_NXT
ULPI_CK
ULPI_D[0..7]
ARD_A[0..5]
ARD_D[0..15]
OSC_25M
QSPI_D3
QSPI_D2
QSPI_D1
QSPI_D0
QSPI_CLK
QSPI_NCS
AUDIO_SDA
AUDIO_SCL
SAI2_MCLKA
SAI2_SCKA
SAI2_FSA
SAI2_SDA
SAI2_SDB
Audio_INT
TP_PH15
SPDIF_RX0
FMC_A[0..11]
FMC_D[0..15]
FMC_SDNWE
FMC_SDNRAS
FMC_SDNCAS
FMC_SDCLK
FMC_BA0
FMC_BA1
FMC_SDNE0
FMC_SDCKE0
FMC_NBL0
FMC_NBL1
B_USER
EXT_SCL
EXT_SDA
EXT_RST
SWDIO
SWCLK
NRST
SWO
VCP_RX
VCP_TX
uSD_CLK
uSD_CMD
uSD_D0
uSD_D1
uSD_D2
uSD_D3
uSD_Detect
Matched Net Lengths [Tolerance = 100mil]
U_Ethernet
Ethernet.SchDoc
RMII
CLOCK
Matched Net Lengths [Tolerance = 100mil]
U_USB_OTG_FS
USB_OTG_FS.SchDoc
U_Arduino_ Connectors
Arduino_ Connectors.SchDoc
U_ST_LINK_V2-1
ST_LINK_V2-1.SCHDOC
Matched Net Lengths [Tolerance = 100mil]
U_LCD-43
LCD-43.SchDoc
LCD
U_Peripherals
Peripherals.SchDoc
Matched Net Lengths [Tolerance = 100mil]
U_QSPI
QSPI.SchDoc
QSPI
Matched Net Lengths [Tolerance = 100mil]
U_SDRAM
SDRAM.SchDoc
SDRAM
Title: STM32F7 Discovery Interconnexion
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U5A
STM32F750N8H6
U5B
STM32F750N8H6
U5C
STM32F750N8H6
X2
NZ2520SH-25.00M
X3
NX3215SA-32.768K
Ceramic capacitor (Low ESR)
Title: STM32 MCU Connexion
Project: STM32F7508-DK
Variant: F750N8H6
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Title: **ST-LINK/V2-1 with support of SWD only**		
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Variant: F750N8H6		
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EXT/RF E2P Connector

MICRO SD (TF) Card

Title: **Joystick, ACP, LEDs and Push Button**		
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Title: **Audio Codec WOLFSON and connectors**		
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Quad SPI Flash Memory

Title: **Quad SPI Flash Memory (MICRON)**		
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Arduino UNO connector

Title: **Arduino UNO connectors**		
Project: **STM32F7508-DK**		
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Title: **USB OTG FS with Micro A-B connector**		
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Title: **SDRAM (MICRON)**		
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Title: **USB OTG HS PHY with Micro A-B connector**		
Project: **STM32F7508-DK**		
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Title: **Ethernet PHY with RJ45 connector**		
Project: **STM32F7508-DK**		
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Title: **External Camera connector**		
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Backlight driver & PFC of LCD panel

Title: **LCD 4.3" with Capacitive Touch**		
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Assembly Top

			16-04-2015	
Revision DESCRIPTION	COMPAGNY	PCB DESIGNER	DATE	CHECKED BY

TITLE Carte STM32F746G-DISCOVERY

REF. MB1191B

LAYER Assembly Bottom

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