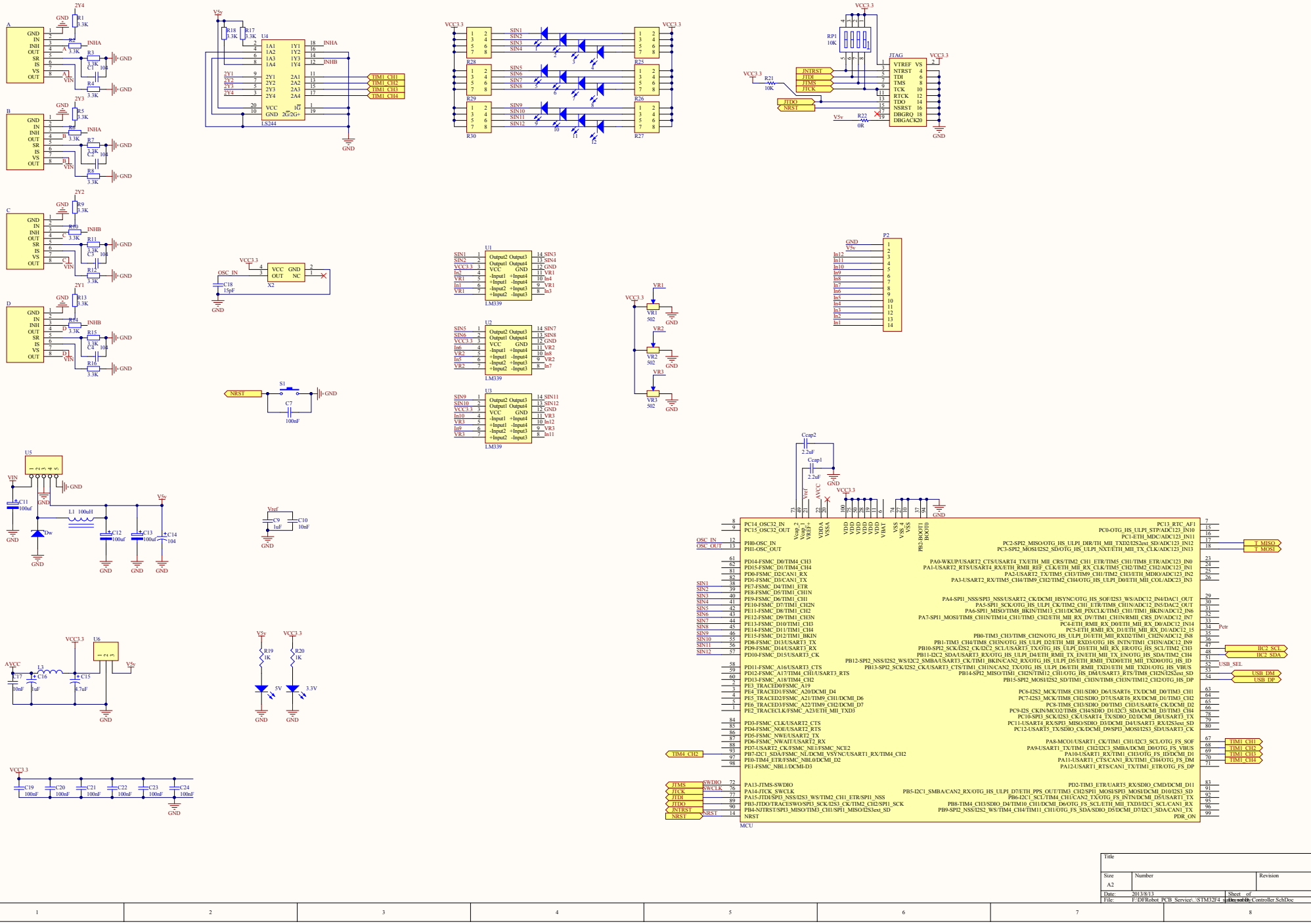
2Y4
R1 3.3K
INHA
R2 3.3K
R3 3.3K
C1 104
R4 3.3K
VIN
2Y3
R5 3.3K
INHA
R6 3.3K
R7 3.3K
C2 104
R8 3.3K
2Y2
R9 3.3K
INHB
R10 3.3K
R11 3.3K
C3 104
R12 3.3K
2Y1
R13 3.3K
INHB
R14 3.3K
R15 3.3K
C4 104
R16 3.3K
V5v
R18 3.3K
R17 3.3K
U4
LS244
TIM1_CH1
TIM1_CH2
TIM1_CH3
TIM1_CH4
VCC3.3
SIN1
SIN2
SIN3
SIN4
SIN5
SIN6
SIN7
SIN8
SIN9
SIN10
SIN11
SIN12
R28
R29
R30
R25
R26
R27
RP1 10K
JTAG
JNTRST
JTDI
JTMS
JTCK
JTDO
NRST
R21 10K
R22 0R
OSC_IN
C18 15pF
X2
U1
U2
U3
LM339
VR1
VR2
VR3
502
P2
Ccap2 2.2uF
Ccap1 2.2uF
Vref
AVCC
PC14_OSC32_IN
PC15_OSC32_OUT
PH0-OSC_IN
PH1-OSC_OUT
PD14-FSMC_D0/TIM4_CH3
PD15-FSMC_D1/TIM4_CH4
PD0-FSMC_D2/CAN1_RX
PD1-FSMC_D3/CAN1_TX
PE7-FSMC_D4/TIM1_ETR
PE8-FSMC_D5/TIM1_CH1N
PE9-FSMC_D6/TIM1_CH1
PE10-FSMC_D7/TIM1_CH2N
PE11-FSMC_D8/TIM1_CH2
PE12-FSMC_D9/TIM1_CH3N
PE13-FSMC_D10/TIM1_CH3
PE14-FSMC_D11/TIM1_CH4
PE15-FSMC_D12/TIM1_BKIN
PD8-FSMC_D13/USART3_TX
PD9-FSMC_D14/USART3_RX
PD10-FSMC_D15/USART3_CK
PD11-FSMC_A16/USART3_CTS
PD12-FSMC_A17/TIM4_CH1/USART3_RTS
PD13-FSMC_A18/TIM4_CH2
PE3_TRACED0/FSMC_A19
PE4_TRACED1/FSMC_A20/DCMI_D4
PE5_TRACED2/FSMC_A21/TIM9_CH1/DCMI_D6
PE6_TRACED3/FSMC_A22/TIM9_CH2/DCMI_D7
PE2_TRACECLK/FSMC_A23/ETH_MII_TXD3
PD3-FSMC_CLK/USART2_CTS
PD4-FSMC_NOE/USART2_RTS
PD5-FSMC_NWE/USART2_TX
PD6-FSMC_NWAIT/USART2_RX
PD7-USART2_CK/FSMC_NE1/FSMC_NCE2
PB7-I2C1_SDA/FSMC_NL/DCMI_VSYNC/USART1_RX/TIM4_CH2
PE0-TIM4_ETR/FSMC_NBL0/DCMI_D2
PE1-FSMC_NBL1/DCMI-D3
PA13-JTMS-SWDIO
PA14-JTCK_SWCLK
PA15-JTDI/SPI3_NSS/I2S3_WS/TIM2_CH1_ETR/SPI1_NSS
PB3-JTDO/TRACESWO/SPI3_SCK/I2S3_CK/TIM2_CH2/SPI1_SCK
PB4-NJTRST/SPI3_MISO/TIM3_CH1/SPI1_MISO/I2Sext_SD
NRST
PC13_RTC_AF1
PC0-OTG_HS_ULPI_STP/ADC123_IN10
PC1-ETH_MDC/ADC123_IN11
PC2-SPI2_MISO/OTG_HS_ULPI_DIR/TH_MII_TXD2/I2Sext_SD/ADC123_IN12
PC3-SPI2_MOSI/I2S2_SD/OTG_HS_ULPI_NXT/ETH_MII_TX_CLK/ADC123_IN13
PA0-WKUP/USART2_CTS/USART4_TX/ETH_MII_CRS/TIM2_CH1_ETR/TIM5_CH1/TIM8_ETR/ADC123_IN0
PA1-USART2_RTS/USART4_RX/ETH_RMII_REF_CLK/ETH_MII_RX_CLK/TIM5_CH2/TIM2_CH2/ADC123_IN1
PA2-USART2_TX/TIM5_CH3/TIM9_CH1/TIM2_CH3/ETH_MDIO/ADC123_IN2
PA3-USART2_RX/TIM5_CH4/TIM9_CH2/TIM2_CH4/OTG_HS_ULPI_D0/ETH_MII_COL/ADC23_IN3
PA4-SPI1_NSS/SPI3_NSS/USART2_CK/DCMI_HSYNC/OTG_HS_SOF/I2S3_WS/ADC12_IN4/DAC1_OUT
PA5-SPI1_SCK/OTG_HS_ULPI_CK/TIM2_CH1_ETR/TIM8_CH1N/ADC12_IN5/DAC2_OUT
PA6-SPI1_MISO/TIM8_BKIN/TIM13_CH1/DCMI_PIXCLK/TIM3_CH1/TIM1_BKIN/ADC12_IN6
PA7-SPI1_MOSI/TIM8_CH1N/TIM14_CH1/TIM3_CH2/ETH_MII_RX_DV/TIM1_CH1N/RMII_CRS_DV/ADC12_IN7
PC4-ETH_RMII_RX_D0/ETH_MII_RX_D0/ADC12_IN14
PC5-ETH_RMII_RX_D1/ETH_MII_RX_D1/ADC12_15
PB0-TIM3_CH3/TIM8_CH2N/OTG_HS_ULPI_D1/ETH_MII_RXD2/TIM1_CH2N/ADC12_IN8
PB1-TIM3_CH4/TIM8_CH3N/OTG_HS_ULPI_D2/ETH_MII_RXD3/OTG_HS_INTN/TIM1_CH3N/ADC12_IN9
PB10-SPI2_SCK/I2S2_CK/I2C2_SCL/USART3_TX/OTG_HS_ULPI_D3/ETH_MII_RX_ER/OTG_HS_SCL/TIM2_CH3
PB11-I2C2_SDA/USART3_RX/OTG_HS_ULPI_D4/ETH_RMII_TX_EN/ETH_MII_TX_EN/OTG_HS_SDA/TIM2_CH4
PB12-SPI2_NSS/I2S2_WS/I2C2_SMBA/USART3_CK/TIM1_BKIN/CAN2_RX/OTG_HS_ULPI_D5/ETH_RMII_TXD0/ETH_MII_TXD0/OTG_HS_ID
PB13-SPI2_SCK/I2S2_CK/USART3_CTS/TIM1_CH1N/CAN2_TX/OTG_HS_ULPI_D6/ETH_RMII_TXD1/ETH_MII_TXD1/OTG_HS_VBUS
PB14-SPI2_MISO/TIM1_CH2N/TIM12_CH1/OTG_HS_DM/USART3_RTS/TIM8_CH2N/I2S2ext_SD
PB15-SPI2_MOSI/I2S2_SD/TIM1_CH3N/TIM8_CH3N/TIM12_CH2/OTG_HS_DP
PC6-I2S2_MCK/TIM8_CH1/SDIO_D6/USART6_TX/DCMI_D0/TIM3_CH1
PC7-I2S3_MCK/TIM8_CH2/SDIO_D7/USART6_RX/DCMI_D1/TIM3_CH2
PC8-TIM8_CH3/SDIO_D0/TIM3_CH3/USART6_CK/DCMI_D2
PC9-I2S_CKIN/MCO2/TIM8_CH4/SDIO_D1/I2C3_SDA/DCMI_D3/TIM3_CH4
PC10-SPI3_SCK/I2S3_CK/USART4_TX/SDIO_D2/DCMI_D8/USART3_TX
PC11-USART4_RX/SPI3_MISO/SDIO_D3/DCMI_D4/USART3_RX/I2Sext_SD
PC12-USART5_TX/SDIO_CK/DCMI_D9/SPI3_MOSI/I2S3_SD/USART3_CK
PA8-MCO1/USART1_CK/TIM1_CH1/I2C3_SCL/OTG_FS_SOF
PA9-USART1_TX/TIM1_CH2/I2C3_SMBA/DCMI_D0/OTG_FS_VBUS
PA10-USART1_RX/TIM1_CH3/OTG_FS_ID/DCMI_D1
PA11-USART1_CTS/CAN1_RX/TIM1_CH4/OTG_FS_DM
PA12-USART1_RTS/CAN1_TX/TIM1_ETR/OTG_FS_DP
PD2-TIM3_ETR/UART5_RX/SDIO_CMD/DCMI_D11
PB5-I2C1_SMBA/CAN2_RX/OTG_HS_ULPI_D7/ETH_PPS_OUT/TIM3_CH2/SPI1_MOSI/SPI3_MOSI/DCMI_D10/I2S3_SD
PB6-I2C1_SCL/TIM4_CH1/CAN2_TX/OTG_FS_INTN/DCMI_D5/USART1_TX
PB8-TIM4_CH3/SDIO_D4/TIM10_CH1/DCMI_D6/OTG_FS_SCL/ETH_MII_TXD3/I2C1_SCL/CAN1_RX
PB9-SPI2_NSS/I2S2_WS/TIM4_CH4/TIM11_CH1/OTG_FS_SDA/SDIO_D5/DCMI_D7/I2C1_SDA/CAN1_TX
PDR_ON
MCU
T_MISO
T_MOSI
IIC2_SCL
IIC2_SDA
USB_SEL
USB_DM
USB_DP
TIM1_CH1
TIM1_CH2
TIM1_CH3
TIM1_CH4
TIM4_CH2
U5
U6
L1 100uH
L2
L3
C11 100uF
C12 100uF
C13 100uF
C14 104
Dw
VRef
C9 1uF
C10 10nF
R19 1K
R20 1K
5V
3.3V
C16 1uF
C17 10nF
C15 4.7uF
C19 100nF
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C23 100nF
C24 100nF
S1
C7 100nF
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Size
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Number
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