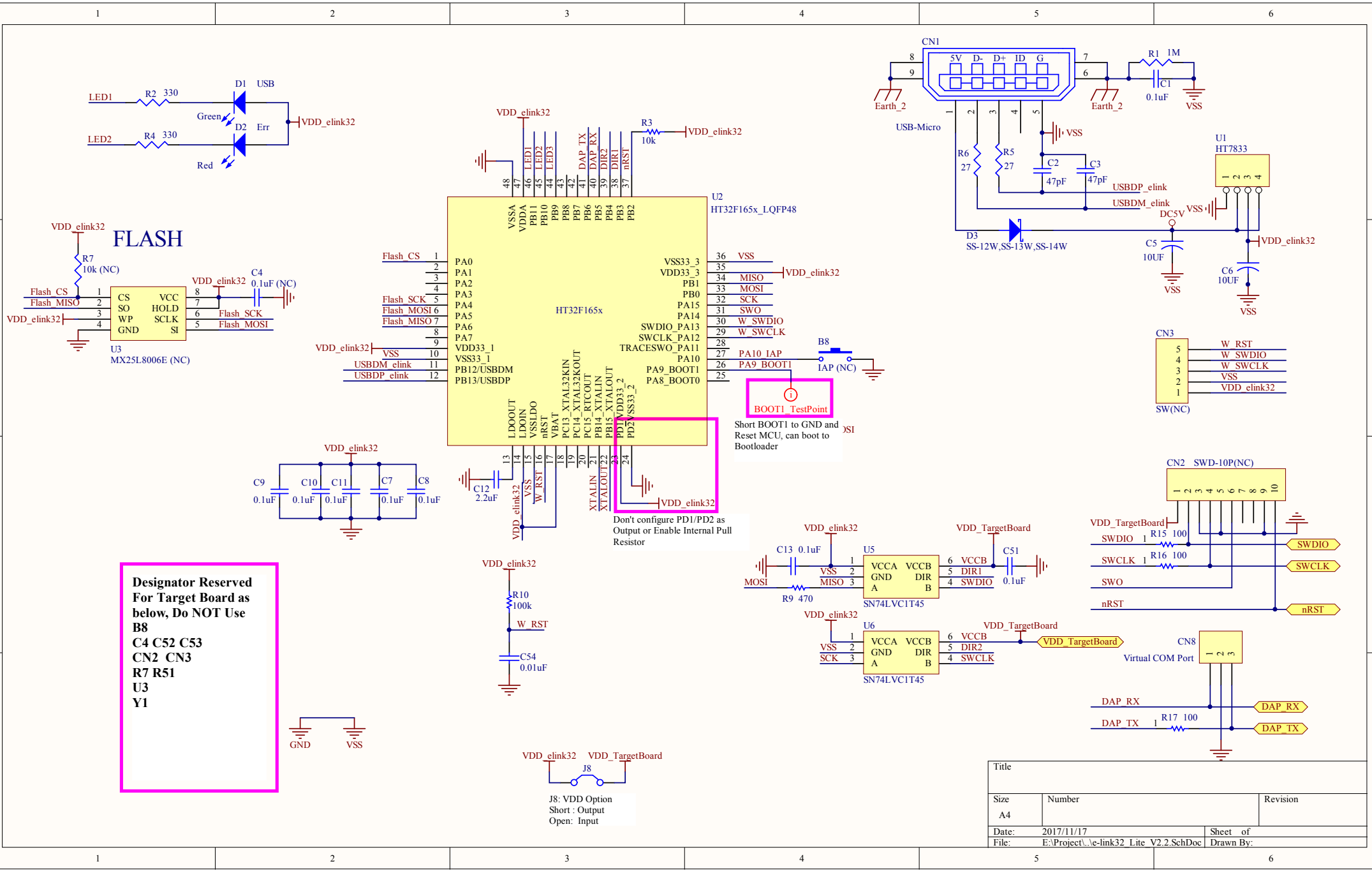
LED1
R2 330
D1 USB
Green
D2 Err
LED2
R4 330
Red
VDD_elink32
FLASH
R7
10k (NC)
C4
0.1uF (NC)
Flash_CS
Flash_MISO
Flash_SCK
Flash_MOSI
CS
SO
WP
GND
VCC
HOLD
SCLK
SI
U3
MX25L8006E (NC)
U2
HT32F165x_LQFP48
HT32F165x
R3
10k
DAP_TX
DAP_RX
DIR2
DIR1
nRST
VSSA
VDDA
PB11
PB10
PB9
PB8
PB7
PB6
PB5
PB4
PB3
PB2
PA0
PA1
PA2
PA3
PA4
PA5
PA6
PA7
VDD33_1
VSS33_1
PB12/USBDM
PB13/USBDP
VSS33_3
VDD33_3
PB1
PB0
PA15
PA14
SWDIO_PA13
SWCLK_PA12
TRACESWO_PA11
PA10
PA9_BOOT1
PA8_BOOT0
W_SWDIO
W_SWCLK
PA10_IAP
B8
IAP (NC)
BOOT1_TestPoint
Short BOOT1 to GND and Reset MCU, can boot to Bootloader
LDOOUT
LDOIN
VSSLDO
VBAT
PC13_XTAL32KIN
PC14_XTAL32KOUT
PC15_RTCOUT
PB14_XTALIN
PB15_XTALOUT
PD1/VDD33_2
PD2/VSS33_2
XTALIN
XTALOUT
C12
2.2uF
Don't configure PD1/PD2 as Output or Enable Internal Pull Resistor
C9
C10
C11
C7
C8
0.1uF
R10
100k
W_RST
C54
0.01uF
GND
VSS
Designator Reserved For Target Board as below, Do NOT Use
B8
C4 C52 C53
CN2 CN3
R7 R51
U3
Y1
J8
VDD_TargetBoard
J8: VDD Option
Short : Output
Open: Input
CN1
5V
D-
D+
ID
G
USB-Micro
Earth_2
R1 1M
C1
0.1uF
R6
27
R5
27
C2
47pF
C3
47pF
USBDP_elink
USBDM_elink
D3
SS-12W,SS-13W,SS-14W
DC5V
U1
HT7833
C5
10UF
C6
10UF
CN3
W_RST
W_SWDIO
W_SWCLK
SW(NC)
C13 0.1uF
U5
SN74LVC1T45
VCCA
VCCB
GND
DIR
A
B
DIR1
SWDIO
MOSI
MISO
R9 470
C51
0.1uF
U6
DIR2
SWCLK
SCK
CN2 SWD-10P(NC)
R15 100
R16 100
SWCLK
SWO
nRST
CN8
Virtual COM Port
DAP_RX
DAP_TX
R17 100
Title
Size
A4
Number
Revision
Date:
2017/11/17
Sheet of
File:
E:\Project\..\e-link32_Lite_V2.2.SchDoc
Drawn By: