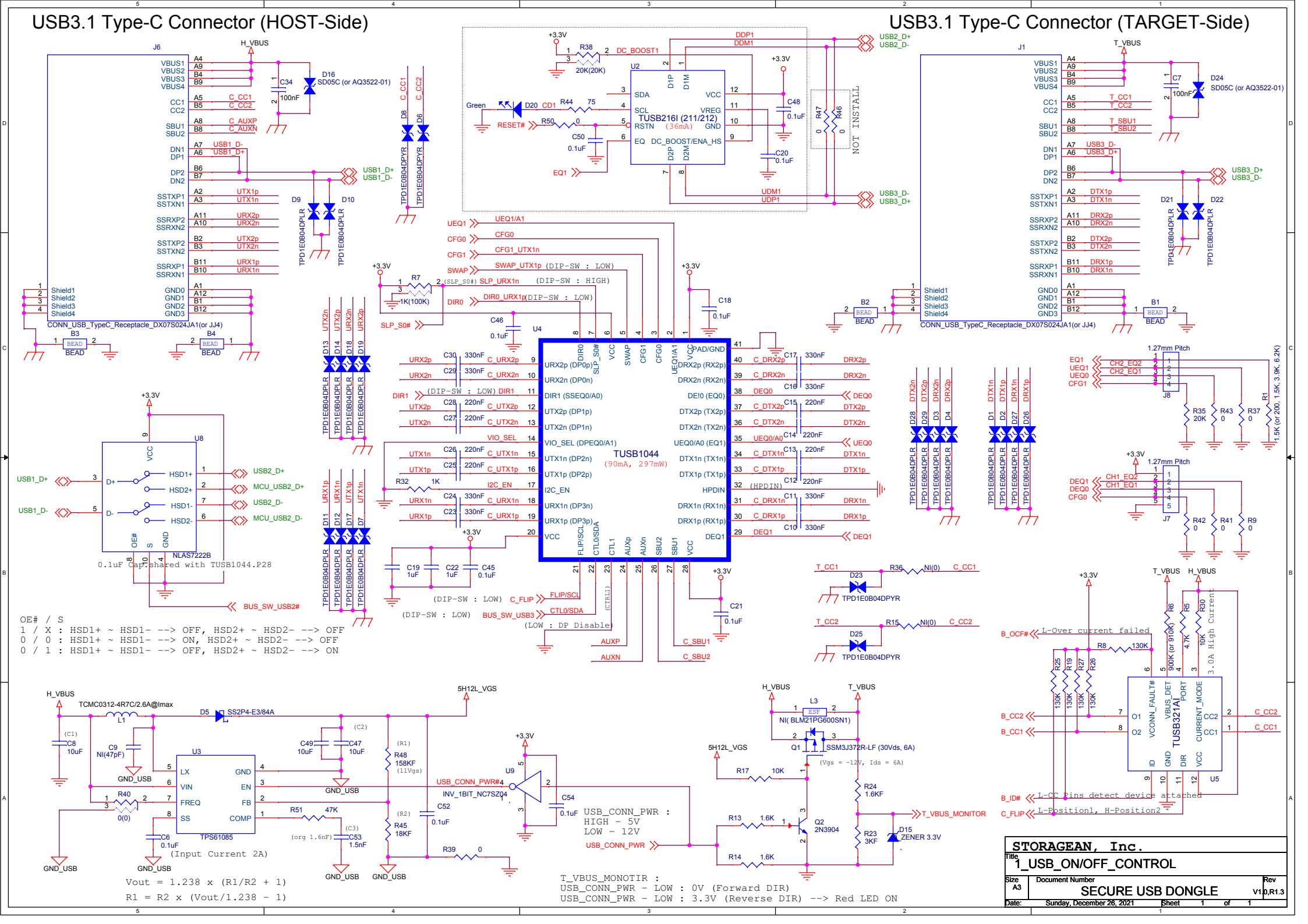
USB3.1 Type-C Connector (HOST-Side)
USB3.1 Type-C Connector (TARGET-Side)
J6
J1
H_VBUS
T_VBUS
CONN_USB_TypeC_Receptacle_DX07S024JA1(or JJ4)
TUSB216I (211/212)
(36mA)
TUSB1044
(90mA, 297mW)
NLAS7222B
0.1uF Cap shared with TUSB1044.P28
OE# / S
1 / X : HSD1+ ~ HSD1- --> OFF, HSD2+ ~ HSD2- --> OFF
0 / 0 : HSD1+ ~ HSD1- --> ON, HSD2+ ~ HSD2- --> OFF
0 / 1 : HSD1+ ~ HSD1- --> OFF, HSD2+ ~ HSD2- --> ON
TCMC0312-4R7C/2.6A@lmax
SS2P4-E3/84A
TPS61085
(Input Current 2A)
Vout = 1.238 x (R1/R2 + 1)
R1 = R2 x (Vout/1.238 - 1)
USB_CONN_PWR :
HIGH - 5V
LOW - 12V
T_VBUS_MONOTIR :
USB_CONN_PWR - LOW : 0V (Forward DIR)
USB_CONN_PWR - LOW : 3.3V (Reverse DIR) --> Red LED ON
TUSB321A
L-Over current failed
L-CC Pins detect device attached
L-Position1, H-Position2
3.0A High Current
STORAGEAN, Inc.
Title
1_USB_ON/OFF_CONTROL
Size A3
Document Number
SECURE USB DONGLE
Rev V1.0,R1.3
Date: Sunday, December 26, 2021
Sheet 1 of 1