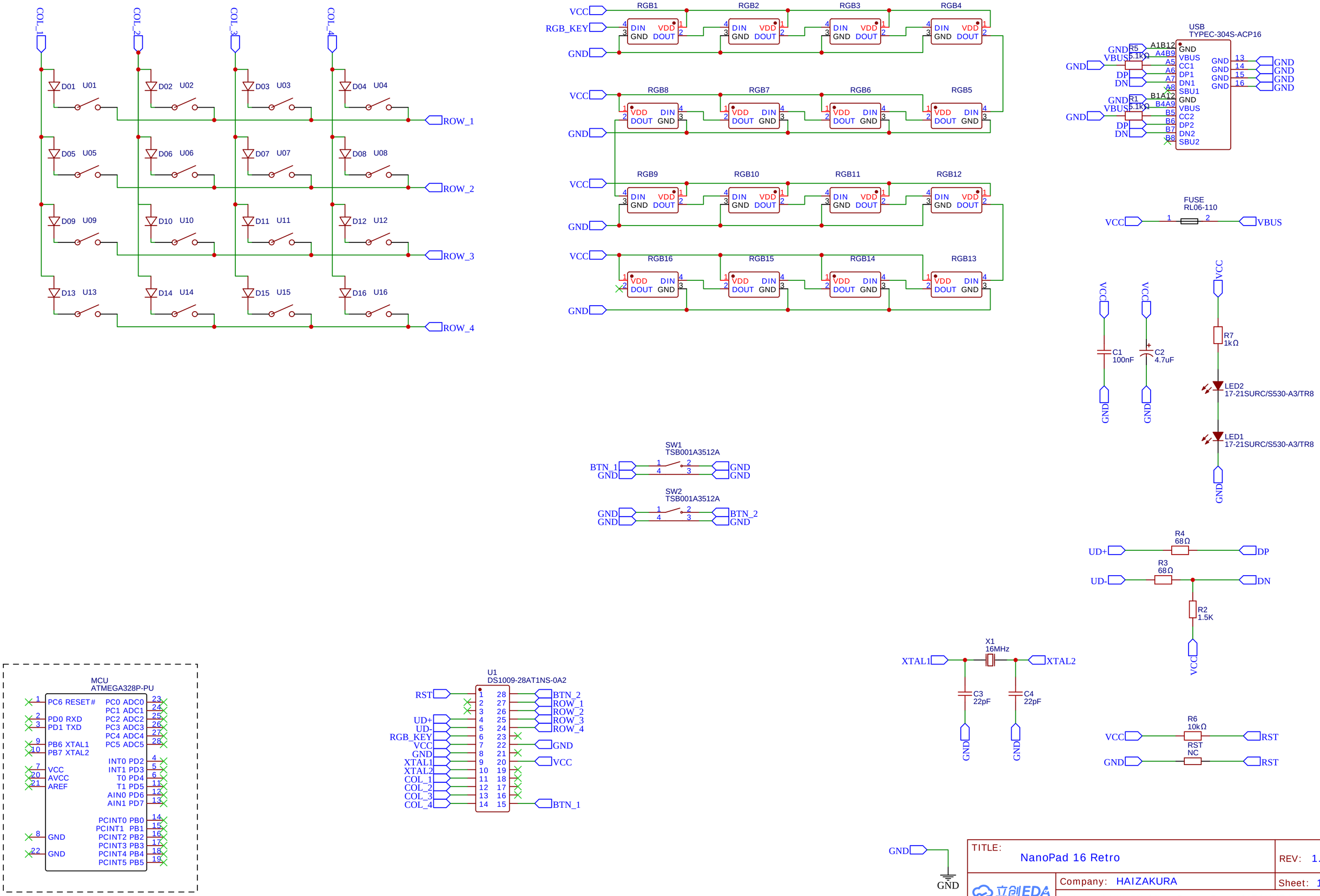
COL_1
COL_2
COL_3
COL_4
D01 U01
D02 U02
D03 U03
D04 U04
D05 U05
D06 U06
D07 U07
D08 U08
D09 U09
D10 U10
D11 U11
D12 U12
D13 U13
D14 U14
D15 U15
D16 U16
ROW_1
ROW_2
ROW_3
ROW_4
VCC
RGB_KEY
GND
RGB1
RGB2
RGB3
RGB4
RGB8
RGB7
RGB6
RGB5
RGB9
RGB10
RGB11
RGB12
RGB16
RGB15
RGB14
RGB13
DIN VDD GND DOUT
USB
TYPEC-304S-ACP16
R5 5.1kΩ
R1 5.1kΩ
A1B12 A4B9 A5 A6 A7 A8
B1A12 B4A9 B5 B6 B7 B8
GND VBUS CC1 DP1 DN1 SBU1 GND VBUS CC2 DP2 DN2 SBU2
DP
DN
FUSE
RL06-110
VBUS
C1
100nF
C2
4.7uF
R7
1kΩ
LED2
17-21SURC/S530-A3/TR8
LED1
17-21SURC/S530-A3/TR8
SW1
TSB001A3512A
BTN_1
SW2
TSB001A3512A
BTN_2
R4
68Ω
UD+
R3
68Ω
UD-
R2
1.5K
X1
16MHz
XTAL1
XTAL2
C3
22pF
C4
22pF
R6
10kΩ
RST
NC
MCU
ATMEGA328P-PU
PC6 RESET#
PD0 RXD
PD1 TXD
PB6 XTAL1
PB7 XTAL2
VCC
AVCC
AREF
GND
PC0 ADC0
PC1 ADC1
PC2 ADC2
PC3 ADC3
PC4 ADC4
PC5 ADC5
INT0 PD2
INT1 PD3
T0 PD4
T1 PD5
AIN0 PD6
AIN1 PD7
PCINT0 PB0
PCINT1 PB1
PCINT2 PB2
PCINT3 PB3
PCINT4 PB4
PCINT5 PB5
U1
DS1009-28AT1NS-0A2
RST
UD+
UD-
RGB_KEY
VCC
GND
XTAL1
XTAL2
COL_1
COL_2
COL_3
COL_4
BTN_2
ROW_1
ROW_2
ROW_3
ROW_4
GND
VCC
BTN_1
TITLE:
NanoPad 16 Retro
REV: 1.0
Company: HAIZAKURA
Sheet: 1/1
Date: 2022-02-18
Drawn By: HAIZAKURA
立创EDA