SW2ENCODER
ENCODER_SW1-PEC12

PIN0/TOP_KNOB_A
PIN1/TOP_KNOB_B

SW1ENCODER
ENCODER_SW1-PEC12

SW3ENCODER
ENCODER_SW1-PEC12

PIN11/WHEEL_A
PIN10/WHEEL_B

PIN17/MID_KNOB_A
PIN16/MID_KNOB_B

GND

SW4ENCODER
ENCODER_SW1-PEC12

PIN15/BOTTOM_KNOB_A
PIN10/BOTTOM_KNOB_B

GND

PIN2/RIGHT_ROW_A

PIN23/LEFT_ROW_A

PIN7/RIGHT_ROW_C

CHERRY-MX
CHERRY-MX
CHERRY-MX
CHERRY-MX
CHERRY-MX
CHERRY-MX

SW1 PIN-1
SW2 PIN-2
U$1

SW1 PIN-1
SW2 PIN-2
U$2

SW1 PIN-1
SW2 PIN-2
U$3

SW1 PIN-1
SW2 PIN-2
U$4

SW1 PIN-1
SW2 PIN-2
U$5

SW1 PIN-1
SW2 PIN-2
U$6

PIN22/LEFT_ROW_B

CHERRY-MX
CHERRY-MX
CHERRY-MX

SW1 PIN-1
SW2 PIN-2
U$7

SW1 PIN-1
SW2 PIN-2
U$8

SW1 PIN-1
SW2 PIN-2
U$9

ENCODER_SW1-PEC12
SW2SW

CHERRY-MX
CHERRY-MX
CHERRY-MX
CHERRY-MX

SW1 PIN-1
SW2 PIN-2
U$10

SW1 PIN-1
SW2 PIN-2
U$11

SW1 PIN-1
SW2 PIN-2
U$12

ENCODER_SW1-PEC12
SW3SW

ENCODER_SW1-PEC12
SW1SW

PIN18/LEFT_ROW_C

CHERRY-MX
CHERRY-MX

SW1 PIN-1
SW2 PIN-2
U$13

SW1 PIN-1
SW2 PIN-2
U$14

ENCODER_SW1-PEC12
SW4SW

PIN6/RIGHT_ROW_B

PIN19/LEFT_COLUMN_3
PIN20/LEFT_COLUMN_2
PIN21/LEFT_COLUMN_1
PIN5/RIGHT_COLUMN_2
PIN4/RIGHT_COLUMN_3
PIN3/RIGHT_COLUMN_1

Big Wheel Video Controller
Wiring diagram
(c) 2020 Zack Freedman, Voidstar Lab
Licensed Creative Commons 4.0 Attribution Noncommercial Share-Alike

Pin numbering is for Teensy 3.x, LC, and 4.0

10/5/2020 7:00 PM f=0.82 E:\Dropbox\Projects\Active Projects\Big-Wheel\Wiring Diagram.sch (Sheet: 1/1)