

## DIY ARCADE SPINNER

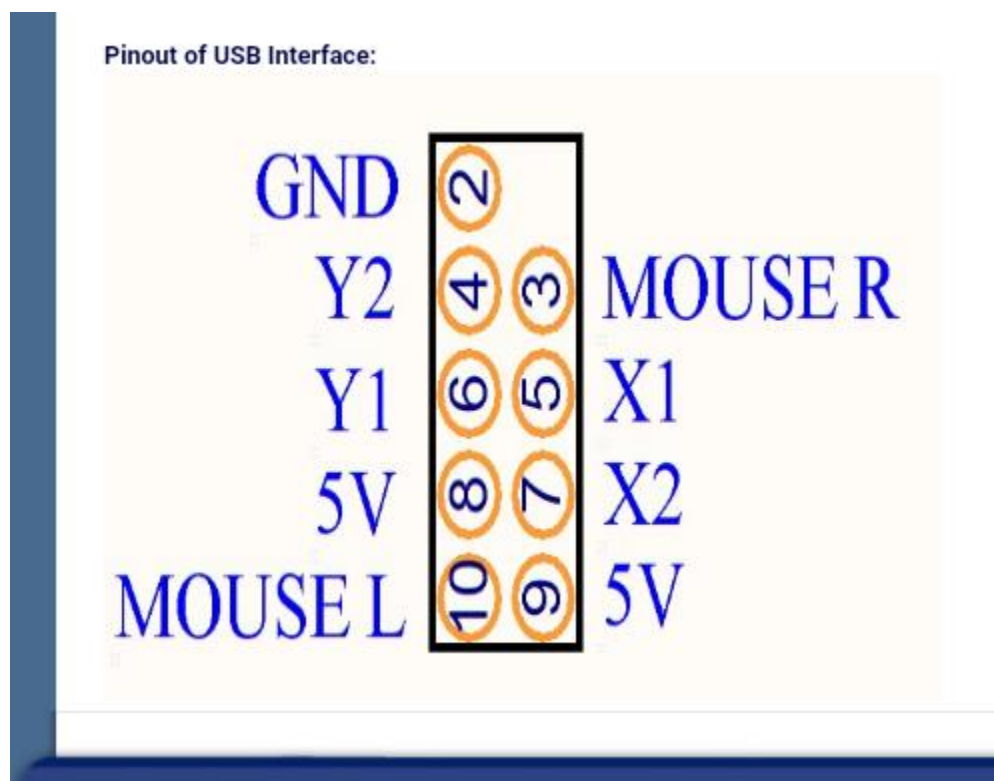
### 1. ROTARY ENCODER

PIN OUT:

- CKL (Output A Pulse)
- DT (Output B Pulse)
- SW (Switch Output)
- + (Power – 3.3V or 5V)
- GND (Ground)

### 2. ULTIMARC U-TRAK USB ADAPTER

DIAGRAM:



**\*\*\*IMPORTANT NOTE\*\*\***

**THE ADAPTER REVERSES THE TRADITIONAL X&Y AXIS  
X AXIS - WORKS VERTICAL INSTEAD OF HORIZONTAL  
Y AXIS – WORKS HORIZONTAL INSTEAD OF VERTICAL**

3. Pin Directions: (Preferred Pin Out for Traditional Spinner)

- Right to Left Spinner Uses the Y axis
- Pin –
  - GND TO GRD (2)
  - 5V TO + (8 or 9)
  - Y1 TO DT (6)
  - Y2 TO CLK (4)

4. Pin Directions:

- Up to Down Spinner Uses the X axis
- Pin –
  - GND TO GRD (2)
  - 5V TO + (8 or 9)
  - X1 TO DT (6)
  - X2 TO CLK (4)

5. Pin location for SW – (Push function on Encoder) can be used for extra button for anything.

- SW to Mouse L (10)
- SW to Mouse R (3)

