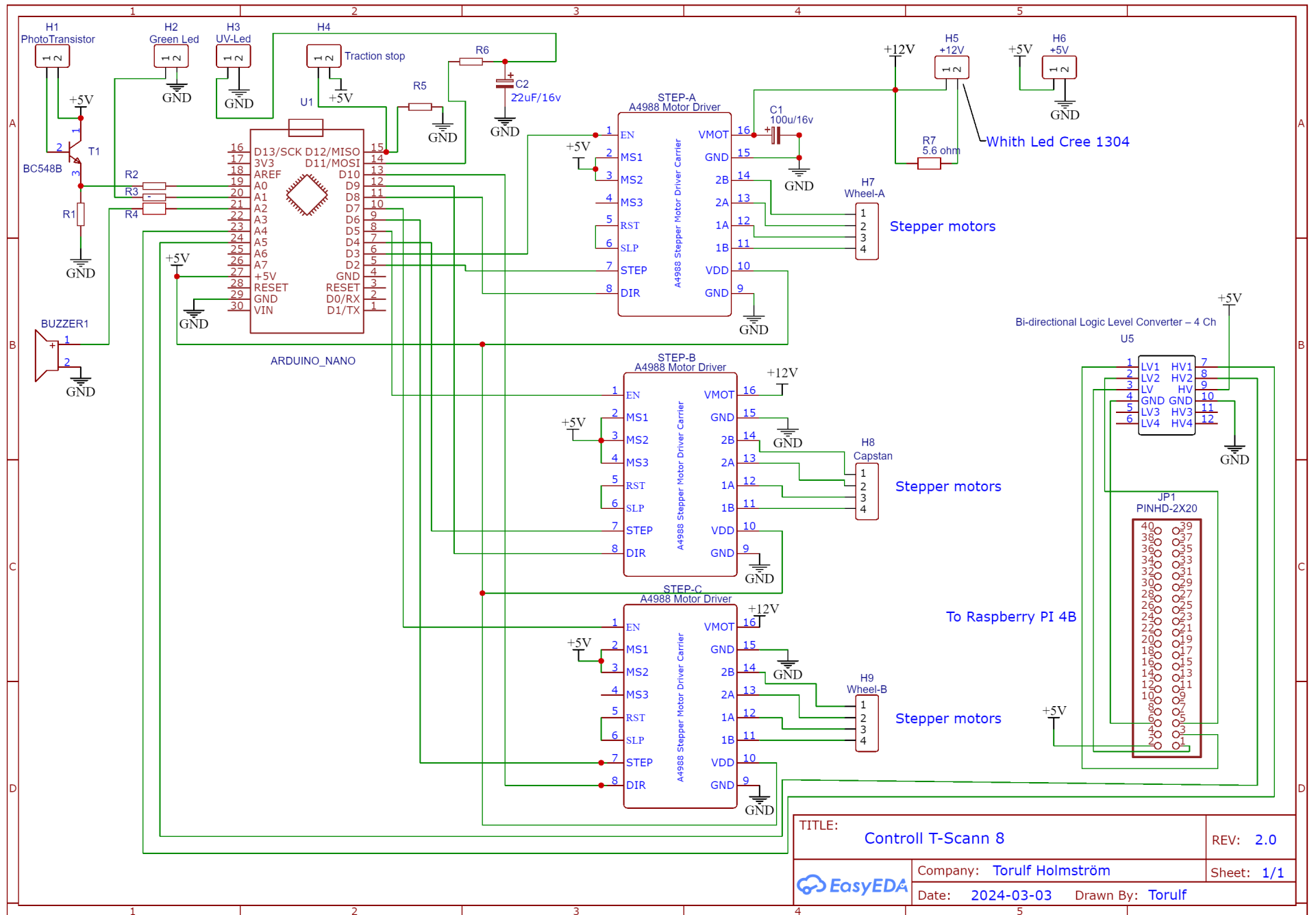
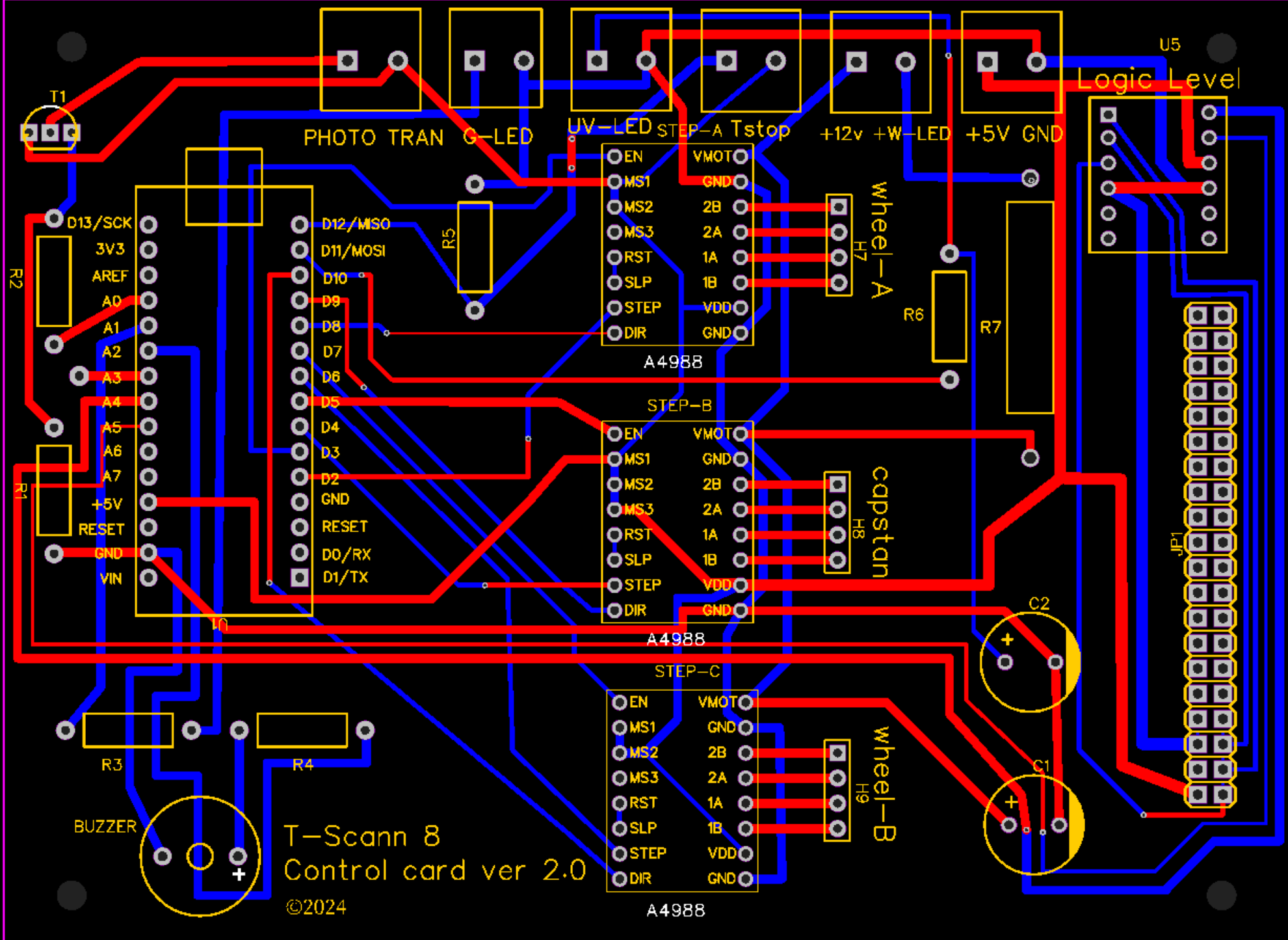


Component list and location



TITLE: Controll T-Scann 8		REV: 2.0
EasyEDA	Company: Torulf Holmström	Sheet: 1/1
	Date: 2024-03-03	Drawn By: Torulf



1st Arduino Nano ATMEGA328P (32KB)

Step-A to C

3 pieces A4988 Motor Driver

1st Bi-directional Logic Level Converter – 4 Ch

T1 BC548B or BC550CBU

R1 2.2K

R2 820 ohm

R3 330 ohm

R4 330 ohm Resistance 1/4 or 1/2 watt

R5 10K

R6 330 ohm

R7 5.6 ohm 5Watt wire wound / ceramic *

C1 100uF / 16v or higher Electrolyte

C2 22uf /16v or higer Lead Spacing: 5 mm

H1-H6 Screw terminal 5mm 2-pole

H7-H9 Pin strip 2.54mm

JP1 40 pin connector raspberry pi +
or Header Connector 2.54 mm ISP Male JTAG 40pin (2x20)

Components to connect to the card

3 pieces Nema 17 stepper motors with 5 mm shaft and facade

1 pieces LED UV 5mm 395-405 nm VAOL-5EUV0T4

1 pieces Phototransistor WP7113P3C (5mm)

1 pieces Led Green (extra not necessary)

1 pieces Led white Cree CXA1304-0000-000C0UA240H

1 pieces Pasive Buzzer 12mm

1 pieces XL 4005 or XL4015 DC- DC Module regulator

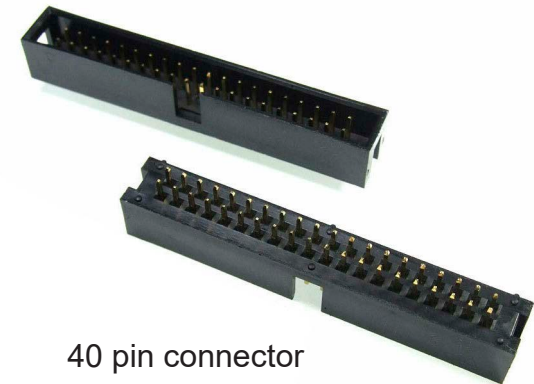
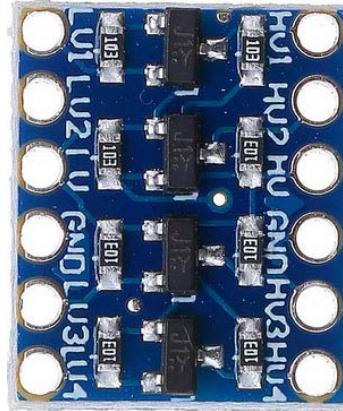
1 pieces Raspberry PI 4B

1 pieces Flat Cable for Raspberry Pi 40Pin short

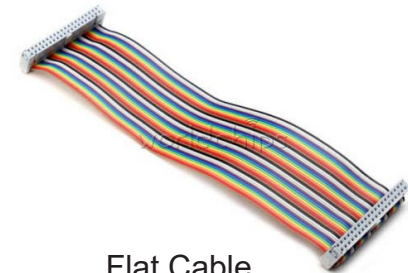
1 pieces Raspberry Pi Camera HQ

Logic Level Converter

pin 1



40 pin connector



Flat Cable



pin strip 2.54mm
Cut into 4 pole pieces x 3 pcs



Screw terminal 5mm 2-pole

Where to buy these parts, see page
Purchase materials

***Mount the resistor approx. 5-10mm
from the PCB, the resistor gets hot.**