3x double photo detector:

MX (X-axis) to Arduino pin A0 + A1
MY (Y-axis) to Arduino pin A2 + A3
MZ (Z-axis) to Arduino pin A4 + A5

180Ω   16kΩ   180Ω   16kΩ

V69 735   TCST 2103

E   D   E   D

To router motor

Arduino pin 9   1.5kΩ   2N7000

+12V
+5V
GND

CNC V3.2

Circuit revision: 0.1
Source & info: www.HomoFaciens.de

Bridge 1:
InA to Arduino pin 2
InB to Arduino pin 3
InC to Arduino pin 4
InD to Arduino pin 5

Out A + Out B to MX (X axis)
Out C + Out D to MY (Y axis)

Bridge 2:
InA to Arduino pin 6
InB to Arduino pin 7

Out A + Out B to MZ (Z axis)

MY (Y-axis)   MX (X-axis)   MZ (Z-axis)