

MicroNC2

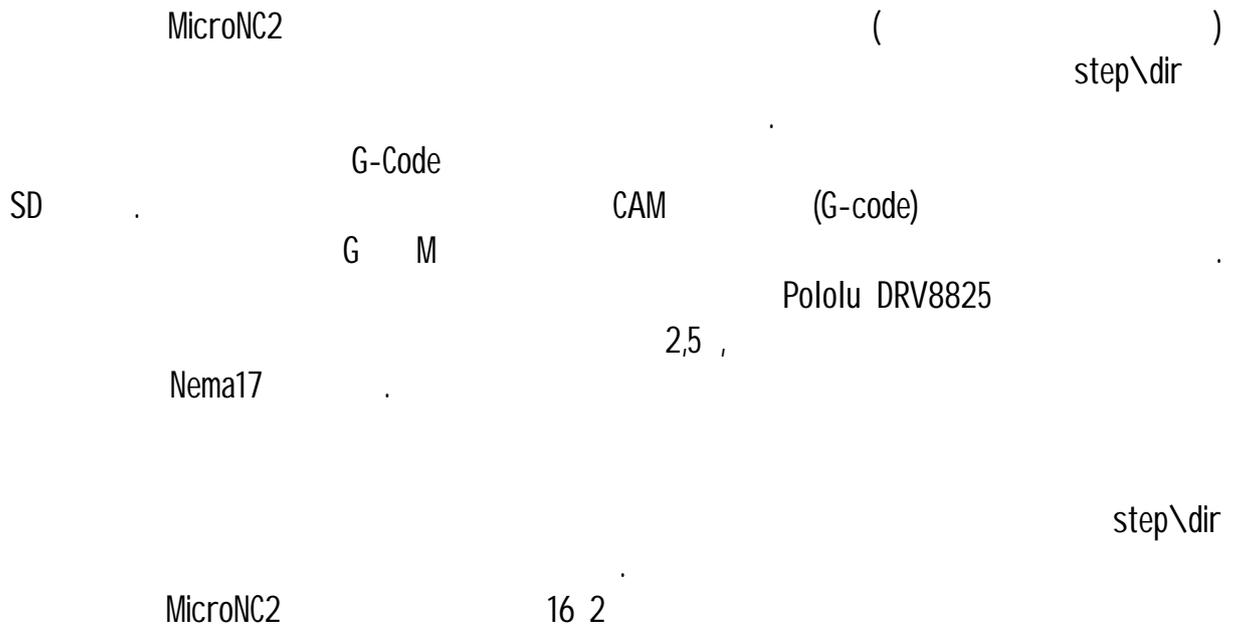
2 , 2 , ,

XY

H-Bot\Core XY.

.

MicroNC2



		12	,	0,2
SD		Fat, Fat32	32	SD
		MicroSD		
	G-code	4096		Fat32
		XY 9999		
		step	50	
-			20	
L			1	255 (100%)
	TL	2		

G M
MicroNC2

HPGL(*.plt)
G

G-code	
G00	G0 X100 Y100 Feed_G0
G01	G01 X100 Y100 F100 F (\)
G02	G02 X3.0 Y3.0 I3.0 J0.0 F100
G03	
G04	G04 P100 , N- , S- , P-
G28	G28
G54	G54 G54.
G90	G90
G91	G91
G92	G92 X0 Y0

M

G-code	
M00	M00 G-code
M02	M02 G-code
M03	M03 S255 () L (1-255) 0-100%
M05	M05 ()
M10	M10
M11	M11
M12	M12 () Marker POW)
M13	M13
M50	M50
M51	M51
M47	M47 P10 P.
M99	M99

HPGL (*.plt)

PLT	
VS [SS] , [N] ;	VS80,1; [SS] \ . [N]. - = 9.
PW [SS] , [N] ;	PW2.550,1; 0.010 2.550(100%) [N] 2.550 100% - = 9.
PU X Y;	PU307 434; () c

PD X Y; PD589 1038; ()

:

X0000.0 Y0000.0
LP 0 / F1000 /100

X0000.0 Y0000.0 – XY.
LP (LaserPower) – . 0 – , 1-255 (1-100%)
F1000 – \ .
/100 - % . 100% - ,

PowerReg

% % ().

Laser power

. 0- , 1-255 (1-100%)
TTL. G-code
M03 S. M03 S255.

Stepper off

G-code , M11,
XY,

Zero XY

XY

Manual move

XY.

Home axis

XY

Move to G54

XY

XY

(Zero XY)

Move to G54.

Marker ON

(
Marker POW).



!!!

Marker OFF

Move XY

Click

Move X

X

Move Y

Y

JOYSTICK

XY.

System -> Djoystik.

Zero XY

XY

RUN FILE

SD

Setup

Motion

CoreXY

CoreXY \H-Bot.
XY.

off

StepsX

- (step) 1 X.

Float.

Расчет кол-ва шагов на 1мм перемещения при использовании зубчато-ременной передачи.

$$\text{(Для двигателя с минимальным шагом } 1.8^\circ) \text{ Steps} = \frac{200 * (\text{Микрошаг на драйвере})}{(\text{Кол-во зубьев на шкиве}) * (\text{Шаг ремня})}$$

$$\text{(Для двигателя с минимальным шагом } 0.9^\circ) \text{ Steps} = \frac{400 * (\text{Микрошаг на драйвере})}{(\text{Кол-во зубьев на шкиве}) * (\text{Шаг ремня})}$$

Расчет кол-ва шагов на 1мм перемещения при использовании ШВП передачи.

$$\text{(Для двигателя с минимальным шагом } 1.8^\circ) \text{ Steps} = \frac{200 * (\text{Микрошаг на драйвере})}{\text{Шаг винта}}$$

$$\text{(Для двигателя с минимальным шагом } 1.8^\circ) \text{ Steps} = \frac{400 * (\text{Микрошаг на драйвере})}{\text{Шаг винта}}$$

GT2 2 1,8° GT2 -20 1\16.

$$\text{Steps} = \frac{200 * 16}{20 * 2} = 80$$

Basic Steps X

- (step) 1 X.
80, 160, 340, 640.

StepsY

- (step) 1 Y.

Float.

Basic Steps Y

- (step) 1 Y.
80, 160, 340, 640.

Feed_GO

10000 GO.
\ .

Accel_GO

GO -
\ .².

MaxFeedX

X \ .

MaxFeedY

Y \ .

MaxAccelX

X \ .².

MaxAccelY

Y \ .².

AccelXY

XY \ .².

MinFeed

G01 \ .

MinGOFeed

G00 \ .

Homing

Home ON

FeedX

X \ .

FeedY

Y \ .

HomeX_DIR

. (1)

X. (-1)

HomeY_DIR

. (1)

Y. (-1)

Feed find

Back move

Back dist

LeftUpPos

2

Endstop

Switch_XMIN

MIN
. NC (Normal Closed)

X. NO (Normal Open)

Switch_XMAX

MAX
. NC (Normal Closed)

X. NO (Normal Open)

Switch_YMIN

MIN
. NC (Normal Closed)

Y. NO (Normal Open)

Switch_YMAX

MAX
. NC (Normal Closed)

Y. NO (Normal Open)

System

Basic menu

Joystik

JoyON

ON Manual move
Joystik.

JoyMaxFeed

JoyUmn

0.001-0.1 .

Joy_XInv

X.

-1 1.

Joy_YInv

Y.

-1 1.

Joy_DZone

450.

Beeper

Duration

Freq

Encoder

Encoder turn

LaserPowerReg

G-code

DisFileName

%.

off

XY.

SoundEnd

G-code

PLT Setup

PLT

M03_OFF —

TTL

Up t= —

.1 = 1000

Down t= —

SoftLimit

Max X

X

Max Y

Y

Min X

X

Min Y

Y

Laser

TTL Freq

TTL

490

TTL INV

TTL .

TTL Max

TTL . 255 –

M05 TTL

05 TTL

(OFF)

(ON).

M03 INV

03.

M03 State

Marker POW

OUT ON –

OUT OFF –

Save settings

Reset settings

UPDATE.DAT

SD

FAT32.

() ,

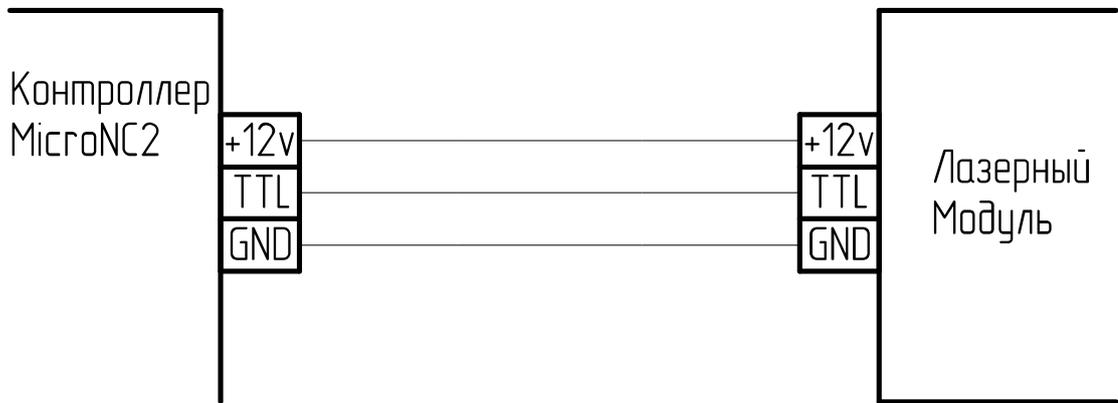
99% MicroNC2

() 12

12

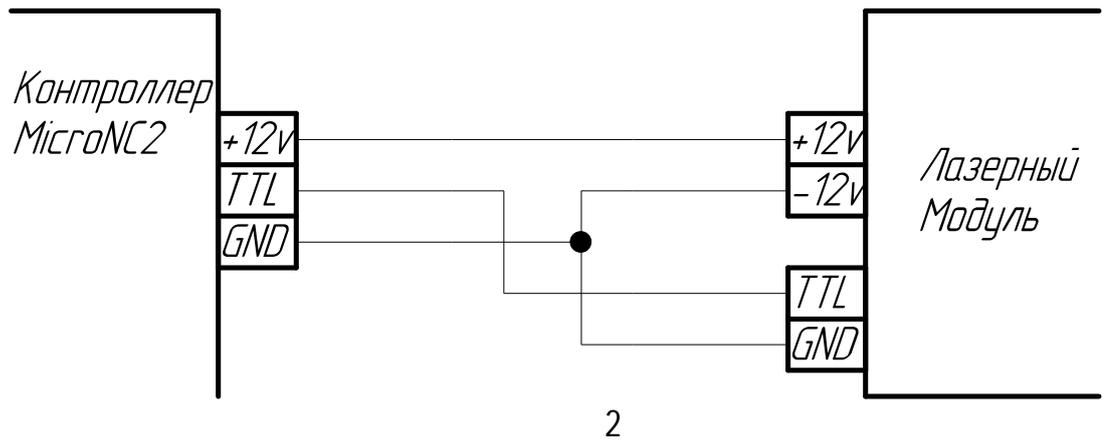
1.

*



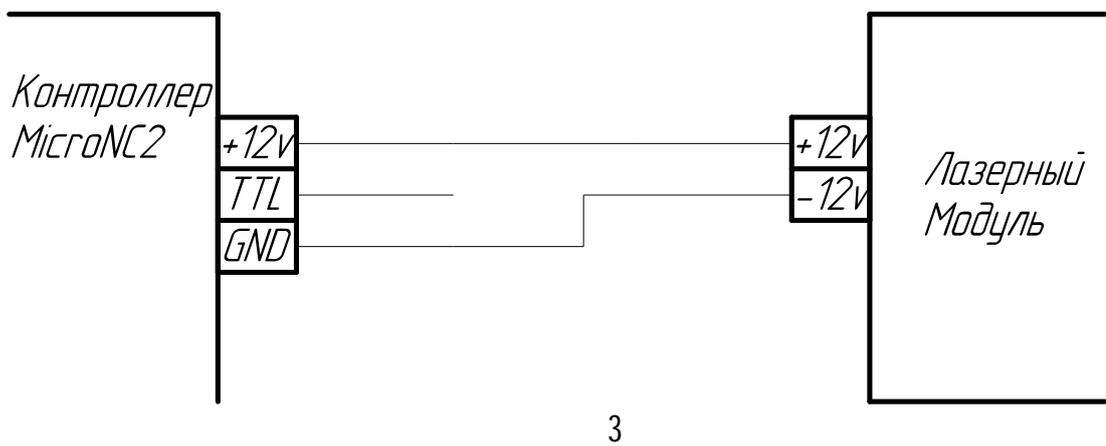
1

2.



TTL

3.



CO2
MYJG 40WT.

MicroNC2

2

MYJG 40WT

4.

