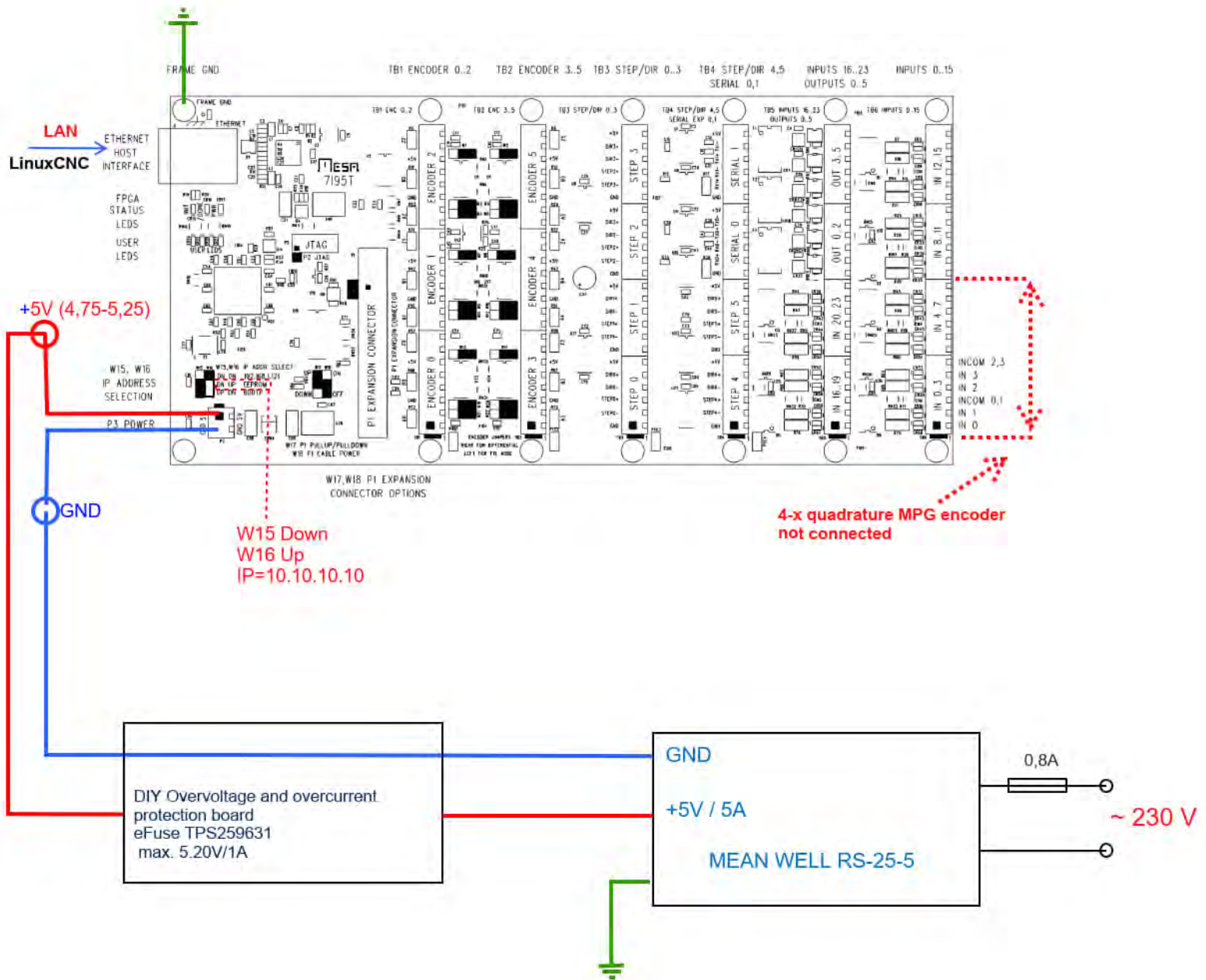
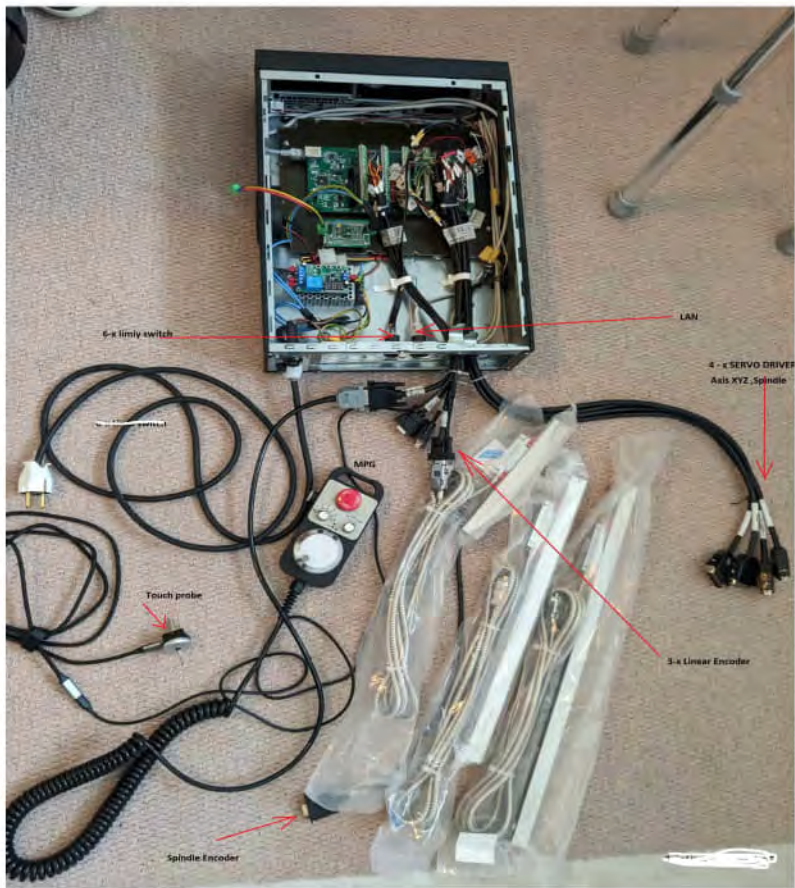


Mesa 7i95T





TB 6

1	00 NI
2	10 NI
3	COM
4	20 NI
5	30 NI
6	COM
7	40 NI
8	50 NI
9	COM
10	90 NI
11	0 NI
12	COM
13	80 NI
14	60 NI
15	COM
16	0 NI
17	1 NI
18	COM
19	2 NI
20	3 NI
21	COM
22	4 NI
23	5 NI
24	COM

TB 5

1	9 NI
2	1 NI
3	COM
4	8 NI
5	6 NI
6	COM
7	0 NI
8	2 NI
9	COM
10	2 NI
11	3 NI
12	COM
13	0 NI
14	0 NI
15	1 NI
16	1 NI
17	2 NI
18	2 NI
19	3 NI
20	3 NI
21	4 NI
22	4 NI
23	5 NI
24	5 NI

TB 4

1	GND
2	4 NI
3	COM
4	4 NI
5	4 NI
6	COM
7	GND
8	5 NI
9	COM
10	5 NI
11	5 NI
12	COM
13	GND
14	0 NI
15	0 NI
16	0 NI
17	0 NI
18	COM
19	GND
20	1 NI
21	1 NI
22	1 NI
23	1 NI
24	COM

4-x Step-Dir
AC SERVOMOTOR
T3D series ~230V

TB 3

1	GND
2	0 NI
3	COM
4	0 NI
5	0 NI
6	COM
7	GND
8	1 NI
9	COM
10	1 NI
11	1 NI
12	COM
13	GND
14	2 NI
15	2 NI
16	2 NI
17	2 NI
18	COM
19	GND
20	3 NI
21	3 NI
22	3 NI
23	3 NI
24	COM

SPINDLE
800W

Axis Z
400W

Axis Y
400W

Axis X
400W

TB 2

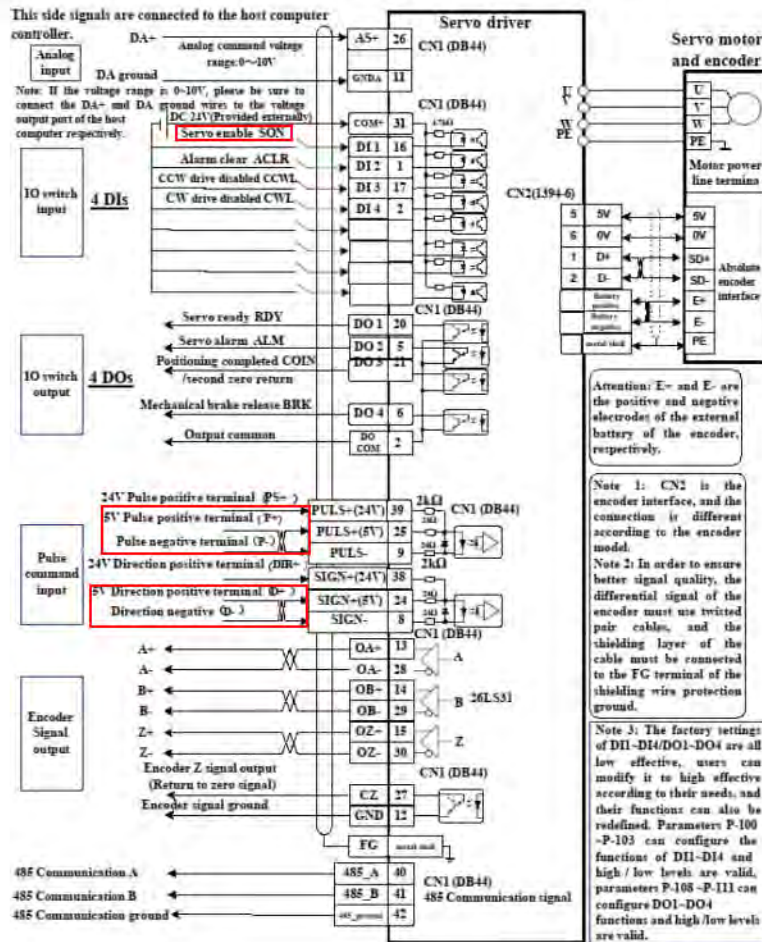
1	3 VO
2	3 VO
3	GND
4	3 BO
5	3 BO
6	5+
7	3 XD
8	3 XD
9	4 VO
10	4 VO
11	GND
12	4 BO
13	4 BO
14	5+
15	4 XD
16	4 XD
17	5 VO
18	5 VO
19	GND
20	5 BO
21	5 BO
22	5+
23	5 XD
24	5 XD

TB 1

1	0 VO
2	0 VO
3	GND
4	0 BO
5	0 BO
6	5+
7	0 XD
8	0 XD
9	1 VO
10	1 VO
11	GND
12	1 BO
13	1 BO
14	5+
15	1 XD
16	1 XD
17	2 VO
18	2 VO
19	GND
20	2 BO
21	2 BO
22	5+
23	2 XD
24	2 XD

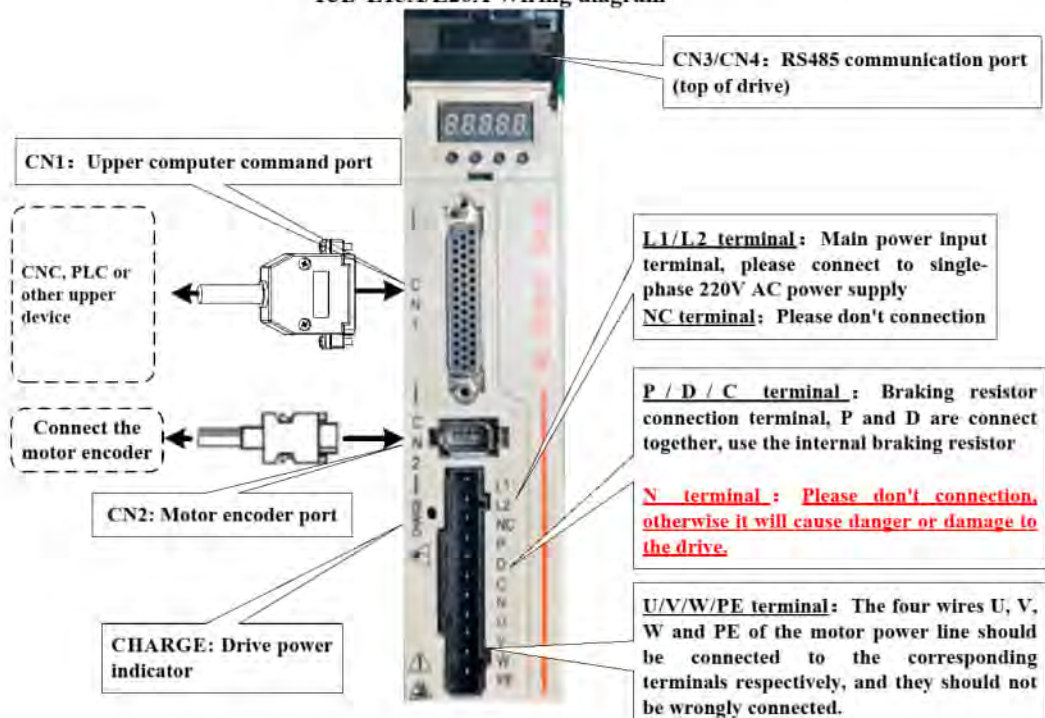
4- x Servo Enable ON

1.3 Connection diagram of control port CN1 and encoder port CN2



Attention:

T3D-L15A/L20A Wiring diagram



TB 6

1	00 NI
2	10 NI
3	COM
4	20 NI
5	30 NI
6	COM
7	40 NI
8	50 NI
9	COM
10	90 NI
11	00 NI
12	COM
13	80 NI
14	60 NI
15	COM
16	01 NI
17	11 NI
18	COM
19	21 NI
20	31 NI
21	COM
22	41 NI
23	51 NI
24	COM

TB 5

1	91 NI
2	01 NI
3	COM
4	81 NI
5	61 NI
6	COM
7	02 NI
8	12 NI
9	COM
10	22 NI
11	32 NI
12	COM
13	00 LNO
14	01 LNO
15	02 LNO
16	03 LNO
17	04 LNO
18	05 LNO
19	06 LNO
20	07 LNO
21	08 LNO
22	09 LNO
23	10 LNO
24	11 LNO

TB 4

1	GND
2	47 LNO
3	COM
4	47 LNO
5	47 LNO
6	47 LNO
7	GND
8	57 LNO
9	COM
10	57 LNO
11	57 LNO
12	57 LNO
13	GND
14	00 RX
15	01 RX
16	02 RX
17	03 RX
18	04 RX
19	GND
20	05 RX
21	06 RX
22	07 RX
23	08 RX
24	09 RX

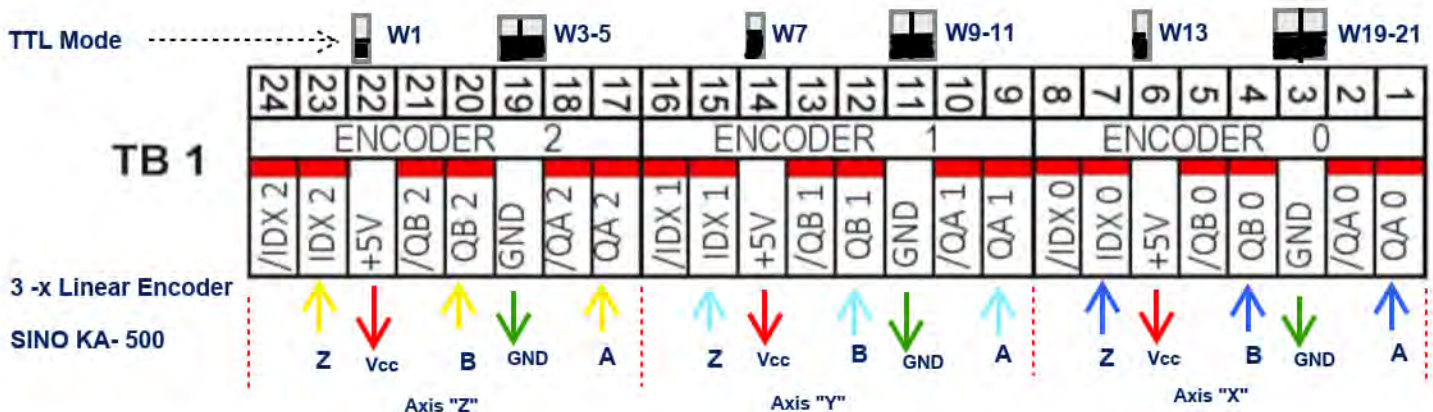
TB 3

1	GND
2	07 LNO
3	COM
4	07 LNO
5	07 LNO
6	07 LNO
7	GND
8	17 LNO
9	COM
10	17 LNO
11	17 LNO
12	17 LNO
13	GND
14	27 LNO
15	00 LNO
16	01 LNO
17	02 LNO
18	03 LNO
19	GND
20	04 LNO
21	05 LNO
22	06 LNO
23	07 LNO
24	08 LNO

TB 2

1	3 VO
2	3 VO
3	GND
4	3 BO
5	3 BO
6	3 BO
7	3 BO
8	3 BO
9	3 BO
10	3 BO
11	3 BO
12	3 BO
13	3 BO
14	3 BO
15	3 BO
16	3 BO
17	3 BO
18	3 BO
19	3 BO
20	3 BO
21	3 BO
22	3 BO
23	3 BO
24	3 BO

TB 1

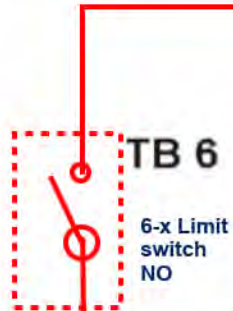


DB-9 Connection method of TTL Signals

Pin	1	2	3	4	5	6	7	8	9
Signal	/	0V	/	/	/	A	+5V	B	Z



X1 X2 Y1 Y2 Z1 Z2



1	00 NI
2	10 NI
3	WOC
4	20 NI
5	30 NI
6	WOC
7	40 NI
8	50 NI
9	WOC
10	60 NI
11	70 NI
12	WOC
13	80 NI
14	90 NI
15	WOC
16	01 NI
17	11 NI
18	WOC
19	21 NI
20	31 NI
21	WOC
22	41 NI
23	51 NI
24	WOC

1	91 NI
2	11 NI
3	WOC
4	81 NI
5	61 NI
6	WOC
7	02 NI
8	12 NI
9	WOC
10	22 NI
11	32 NI
12	WOC
13	-0 LNO
14	+0 LNO
15	-1 LNO
16	+1 LNO
17	-2 LNO
18	+2 LNO
19	-3 LNO
20	+3 LNO
21	-4 LNO
22	+4 LNO
23	-5 LNO
24	+5 LNO

1	GND
2	+4 LUP
3	+4 LUP
4	-4 LUP
5	+4 LUP
6	+4 LUP
7	GND
8	-5 LUP
9	+5 LUP
10	-5 LUP
11	+5 LUP
12	+5 LUP
13	GND
14	+0 RX
15	-0 RX
16	+0 RX
17	-0 RX
18	+0 RX
19	GND
20	+1 RX
21	-1 RX
22	+1 RX
23	-1 RX
24	+1 RX

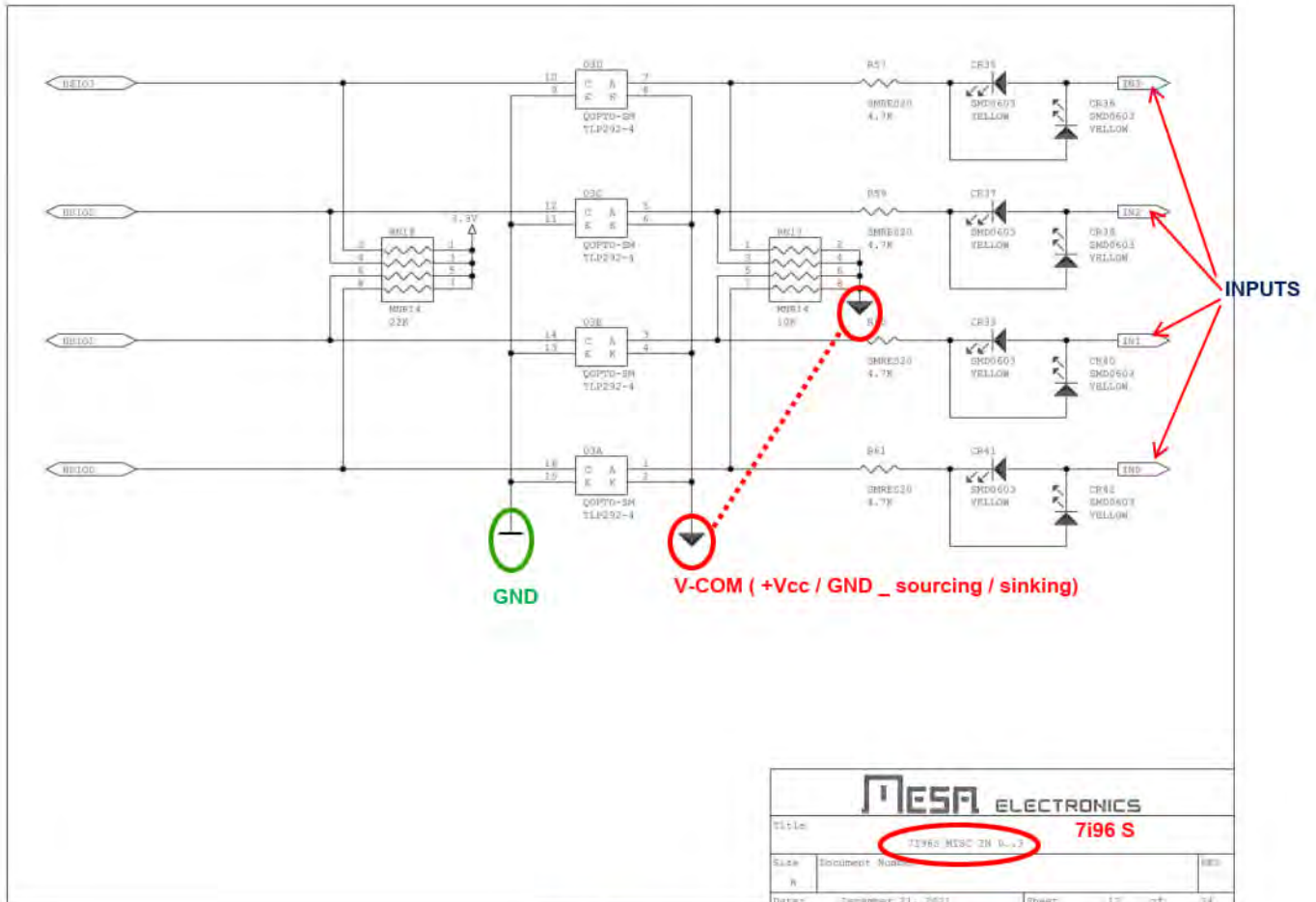
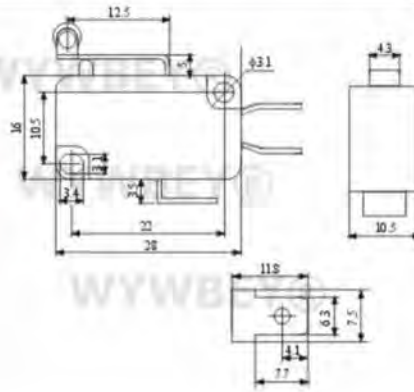
1	GND
2	+0 LUP
3	+0 LUP
4	-0 LUP
5	+0 LUP
6	+0 LUP
7	GND
8	-1 LUP
9	+1 LUP
10	-1 LUP
11	+1 LUP
12	+1 LUP
13	GND
14	+2 LUP
15	-2 LUP
16	+2 LUP
17	-2 LUP
18	+2 LUP
19	GND
20	+3 LUP
21	-3 LUP
22	+3 LUP
23	-3 LUP
24	+3 LUP

1	3 VO
2	3 VO
3	GND
4	3 BO
5	3 BO
6	3 BO
7	3 BO
8	3 BO
9	3 BO
10	3 BO
11	3 BO
12	3 BO
13	3 BO
14	3 BO
15	3 BO
16	3 BO
17	3 BO
18	3 BO
19	3 BO
20	3 BO
21	3 BO
22	3 BO
23	3 BO
24	3 BO

1	0 VO
2	0 VO
3	GND
4	0 BO
5	0 BO
6	0 BO
7	0 BO
8	0 BO
9	0 BO
10	0 BO
11	0 BO
12	0 BO
13	0 BO
14	0 BO
15	0 BO
16	0 BO
17	0 BO
18	0 BO
19	0 BO
20	0 BO
21	0 BO
22	0 BO
23	0 BO
24	0 BO

V-COM (GND_Sinking input)

Limit switch



Inputs

MPG GND

MPG SWITCH

3x 120 Ohm
1/2 W

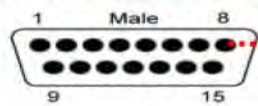
Differential mode !

TB 6

1	00 NI
2	10 NI
3	COM
4	20 NI
5	30 NI
6	COM
7	40 NI
8	50 NI
9	COM
10	90 NI
11	10 NI
12	COM
13	80 NI
14	60 NI
15	COM
16	01 NI
17	11 NI
18	COM
19	21 NI
20	31 NI
21	COM
22	41 NI
23	51 NI
24	COM

TB 5

1	91 NI
2	11 NI
3	COM
4	81 NI
5	61 NI
6	COM
7	02 NI
8	12 NI
9	COM
10	22 NI
11	32 NI
12	COM
13	-0 LNO
14	+0 LNO
15	-1 LNO
16	+1 LNO
17	-2 LNO
18	+2 LNO
19	-3 LNO
20	+3 LNO
21	-4 LNO
22	+4 LNO
23	-5 LNO
24	+5 LNO



MPG COM = +5V

PIN 8 (DB 15 connector MPG)

DB 15 PIN:	15	6	14	7	13	5	12	4
	E-stop	x100	x10	x1	4	z	y	x

TB 4

1	GND
2	+7 LUL
3	+7 LUL
4	+7 LUL
5	+7 LUL
6	+7 LUL
7	+7 LUL
8	+7 LUL
9	+7 LUL
10	+7 LUL
11	+7 LUL
12	+7 LUL
13	+7 LUL
14	+7 LUL
15	+7 LUL
16	+7 LUL
17	+7 LUL
18	+7 LUL
19	+7 LUL
20	+7 LUL
21	+7 LUL
22	+7 LUL
23	+7 LUL
24	+7 LUL

TB 3

1	GND
2	+0 LUL
3	+0 LUL
4	+0 LUL
5	+0 LUL
6	+0 LUL
7	+0 LUL
8	+0 LUL
9	+0 LUL
10	+0 LUL
11	+0 LUL
12	+0 LUL
13	+0 LUL
14	+0 LUL
15	+0 LUL
16	+0 LUL
17	+0 LUL
18	+0 LUL
19	+0 LUL
20	+0 LUL
21	+0 LUL
22	+0 LUL
23	+0 LUL
24	+0 LUL



TB 2

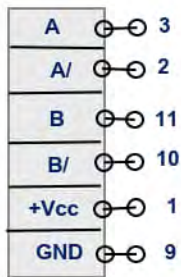
1	3 VO
2	3 VO
3	3 VO
4	3 VO
5	3 VO
6	3 VO
7	3 VO
8	3 VO
9	3 VO
10	3 VO
11	3 VO
12	3 VO
13	3 VO
14	3 VO
15	3 VO
16	3 VO
17	3 VO
18	3 VO
19	3 VO
20	3 VO
21	3 VO
22	3 VO
23	3 VO
24	3 VO



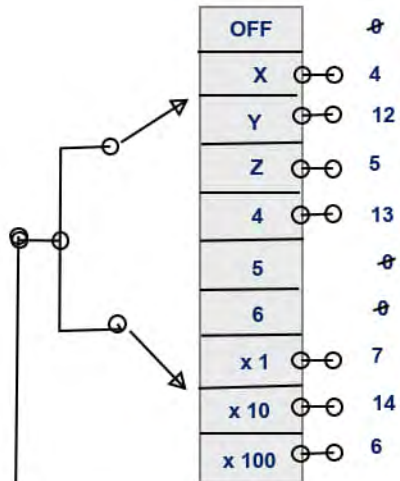
TB 1

1	0 VO
2	0 VO
3	0 VO
4	0 VO
5	0 VO
6	0 VO
7	0 VO
8	0 VO
9	0 VO
10	0 VO
11	0 VO
12	0 VO
13	0 VO
14	0 VO
15	0 VO
16	0 VO
17	0 VO
18	0 VO
19	0 VO
20	0 VO
21	0 VO
22	0 VO
23	0 VO
24	0 VO

PIN DB-15



MPG WHEEL



MPG SWITCH

ENABLE

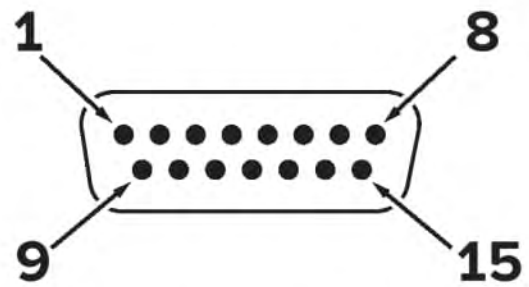
NO

MPG COM (+5V)

E-STOP

NC

E-STOP



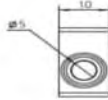
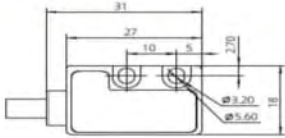
DB15 Male Connector (Device)

MPG

Spindle encoder

Applicable to: 9 pin socket EIA-422-A signal Output.

Pin Position	1	2	3	4	5	6	7	8	9
Signal	A	0V	B	Empty	Z	A	+5V	B	Z



Magnetic head parameters Параметры Сенсор

resolution ratio	0.001mm
INPUT VOLTAGE	5V DC
signal type	Incremental pulse signal
OUTPUT	A A- B B- Z Z- 0V 5V
cable Length	1.5M



HDR-72114

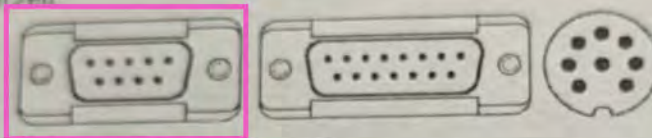
Basic parameters

outside diameter	72
Внешний диаметр	72
inside diameter	54
Внутренний диаметр	54
width	10
Ширина	10
Number of magnetic poles	114
Число магнитных полюсов	114
Magnetic pole width	2
Магнитный полюс ширины	2
Pulse count	114000 P/R
Счетчик импульсов	114000 P/R

■ Connecting of the magnetic reading head to the instrument

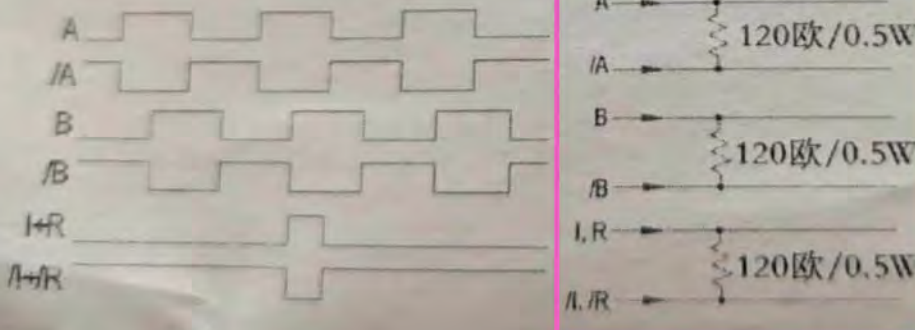
1. Magnetic reading head output wire

The default output wire length is 200cm, and the special length needs to be customized. All bare wire output wires are equipped with signal identification stickers at the end to facilitate customer wiring. DB9, DB15, 7 core aviation plug and other special ports need to be customized.



2. Output signal and receiving circuit

The output signal is the differential RS422 signal. It is recommended that the receiver use 120 euro matching resistance to improve the anti-interference resistance and reduce the influence of the signal reflection.



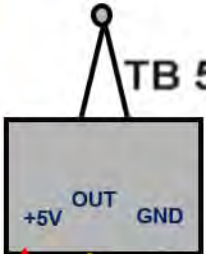
1	00 NI
2	10 NI
3	WOC
4	20 NI
5	30 NI
6	WOC
7	40 NI
8	50 NI
9	WOC
10	90 NI
11	10 NI
12	WOC
13	80 NI
14	60 NI
15	WOC
16	01 NI
17	11 NI
18	WOC
19	21 NI
20	31 NI
21	WOC
22	41 NI
23	51 NI
24	WOC

TB 6

Touch probe 3D

1	91 NI
2	11 NI
3	WOC
4	81 NI
5	61 NI
6	WOC
7	02 NI
8	12 NI
9	WOC
10	22 NI
11	32 NI
12	WOC
13	-0 LNO
14	+0 LNO
15	-1 LNO
16	+1 LNO
17	-2 LNO
18	+2 LNO
19	-3 LNO
20	+3 LNO
21	-4 LNO
22	+4 LNO
23	-5 LNO
24	+5 LNO

TB 5



1	GND
2	-4 LUD
3	+4 LUD
4	-4 RUD
5	+4 RUD
6	DV5+
7	GND
8	-5 LUD
9	+5 LUD
10	-5 RUD
11	+5 RUD
12	DV5+
13	GND
14	+0 RX
15	-0 RX
16	+0 XL
17	-0 XL
18	DV5+
19	GND
20	+1 XR
21	-1 XR
22	+1 XL
23	-1 XL
24	DV5+

TB 4

1	GND
2	+0 LUD
3	+0 LUD
4	-0 RUD
5	+0 RUD
6	DV5+
7	GND
8	-1 LUD
9	+1 LUD
10	-1 RUD
11	+1 RUD
12	DV5+
13	GND
14	2 LUD
15	-2 LUD
16	-2 RUD
17	+2 RUD
18	DV5+
19	GND
20	-3 LUD
21	+3 LUD
22	-3 RUD
23	+3 RUD
24	DV5+

TB 3

1	3 VO
2	3 VO/
3	GND
4	3 BO
5	3 BO/
6	V5+
7	3 XDI
8	3 XDI/
9	4 VO
10	4 VO/
11	GND
12	4 BO
13	4 BO/
14	V5+
15	4 XDI
16	4 XDI/
17	5 VO
18	5 VO/
19	GND
20	5 BO
21	5 BO/
22	V5+
23	5 XDI
24	5 XDI/

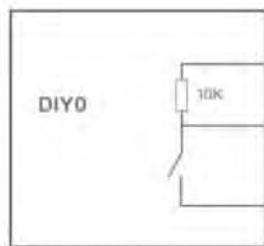
TB 2

1	0 VO
2	0 VO/
3	GND
4	0 BO
5	0 BO/
6	V5+
7	0 XDI
8	0 XDI/
9	1 VO
10	1 VO/
11	GND
12	1 BO
13	1 BO/
14	V5+
15	1 XDI
16	1 XDI/
17	2 VO
18	2 VO/
19	GND
20	2 BO
21	2 BO/
22	V5+
23	2 XDI
24	2 XDI/

TB 1



NPN-NO



VCC red wire connects power supply 5-24V

IO (OUT)

Yellow line: The signal output level is the same as VCC Line, high

GND black wire: ground wire or 0V, can be connected to GND and COM-, DCM

The green light is always on after power on, the output of the 10 port is high, the red light is on after the probe is triggered, and the 10 is low)

https://www.youtube.com/channel/UC_zOVvs96VKX6R_DIO5KyJg