CNC ZEUS
GS2 AC Drive Interface

DB9S connector

5 4 3 2 1

9 8 7 6

RJ11 connector

6 5 4 3 2 1
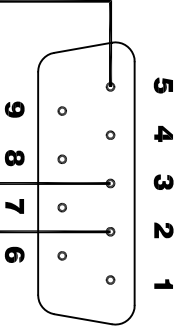
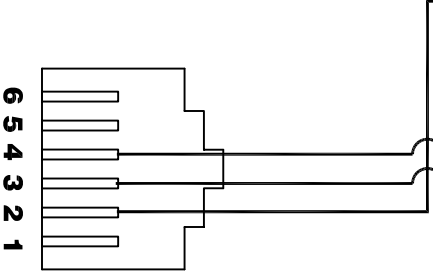| DB9S connector		RJ11 connector	
PIN			PIN
RXD	2 ———————— TXD		4
TXD	3 ———————— RXD		3
GND	5 ———————— GND		2
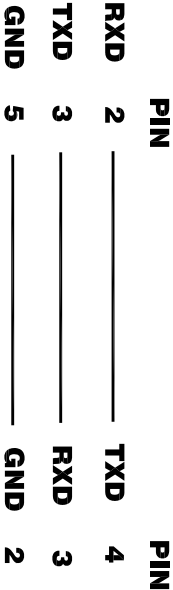
NOTE: Switches SW2 and SW3 on the GS2 drive unit must be set to RS232 for this connection. Additional drive parameters must also be changed for operation from RS232.
Please refer to your GS2 AC DRIVE users manual.

CNC ZEUS
Manual pulse generator

Computer printer port 2

Step SELECT

2 pole
4 position
Rotary switch

Gnd

		lsb	
OFF	00		
X1	01		
X10	10		
X100	11	msb	

1k

1k

+5

Gnd 18

lsb 15

11 msb

Axis SELECT

2 pole
4 position
Rotary switch

Gnd

		lsb
X	00	
Y	01	
Z	10	
A	11	msb

1k

1k

+5

lsb 8

9 msb

A/B pulse generator

A
B
Gnd
+5

Fuse

Vcc
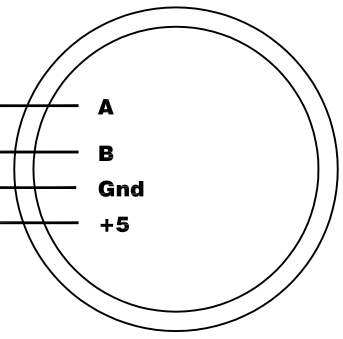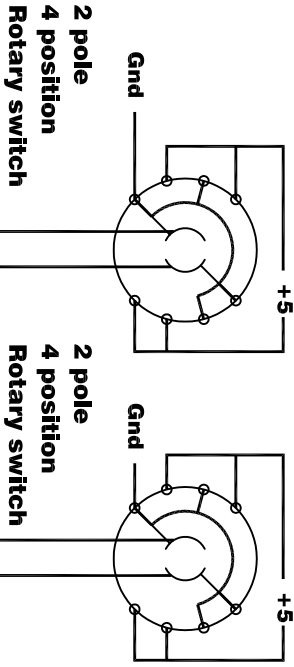
Note: Swapping A with B changes direction.

A 13
B 12
INT 10
Gnd 18

Gnd
INT out
B in
A in
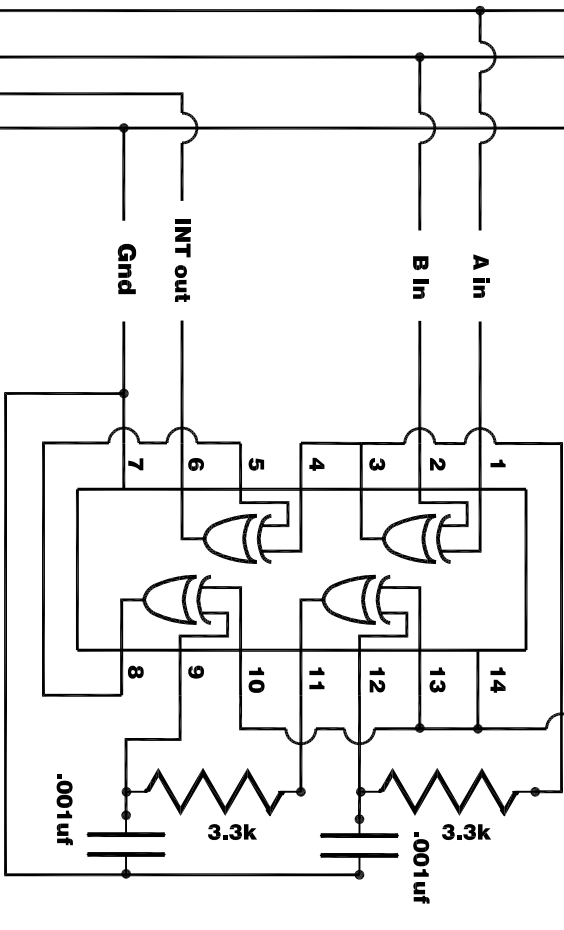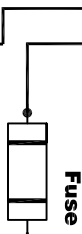
74HC86
Quad exclusive OR gate

7
6
5
4
3
2
1

8
9
10
11
12
13
14

.001uf

3.3k

3.3k

.001uf

+5 Supply

CNC ZEUS
External feed override

Computer printer port 2

RAPID OVERRIDE

2 pole
4 position
Rotary switch

Gnd

+5

1k
1k

msb 7
6 lsb

		lsb
1%	00	lsb
25%	01	
50%	10	
100%	11	

FEED OVERRIDE

4 pole
16 position
Rotary switch

1k

msb 5
4
3
2 lsb

Gnd 18

4
3
2
1
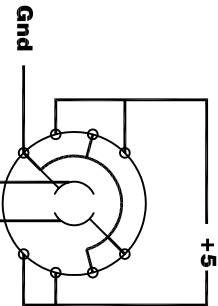
Hold	0000	80%	1000
10%	0001	90%	1001
20%	0010	100%	1010
30%	0011	110%	1011
40%	0100	120%	1100
50%	0101	130%	1101
60%	0110	140%	1110
70%	0111	150%	1111

Gnd +5   4
Gnd +5   +5   3
Gnd +5   2
Gnd +5   1