
1		.....	5
	1.1	.....	5
	1.2	.....	6
	1.3	.....	7
2		.....	8
	2.1	.....	8
	2.2	.....	10
	2.3	.....	11
	2.4	.....	12
	2.4.1	.....	12
	2.4.2	.....	12
	2.4.3	.....	12
	2.4.4	.....	13
	2.4.5	.....	13
	2.4.6	.....	13
	2.4.7	.....	13
	2.5	.....	13
	2.5.1	.....	13
	2.5.2	.....	15
	2.5.3	*	15
	2.5.4	*	15
	2.5.5	.....	15
	2.5.6	.....	16
	2.6	.....	17
	2.7	.....	17
	2.8	.....	18
	2.9	.....	18
3		.....	19
	3.1	.....	19
	3.2	.....	19
	3.2	.....	20
	3.3	.....	22
	3.3.1	.....	22
	3.3.2	.....	23
	3.3.3	.....	24
	3.3.4	.....	25
	3.3.5	MR-J30A	26
	3.3.6	Lexium23D	27

	3.3.7	ALPHA5	.....	28
	3.3.8	IS620P	.....	29
	3.3.9	SV-X3E	.....	30
	3.4	QC300	.....	31
4			.....	32
	4.1		.....	32
	4.1.1		.....	32
	4.1.2		.....	32
	4.1.3		.....	32
	4.1.4		.....	32
	4.1.5		.....	32
	4.2		.....	33
	4.2.1		.....	33
	4.2.2		.....	33
	4.2.3		.....	33
	4.2.4		.....	33
	4.2.5		.....	34
	4.2.6		.....	34
	4.2.7		.....	34
5			.....	35
	5.1		.....	35
	5.2		.....	1
	5.2.1		.....	1
	5.2.2		.....	2
	5.2.3		.....	2
	5.3		.....	4

1

1.1

QC300

IIIQC300

III

III

III

QC300
GERALB
QC300

1.2

	QC300
	8 24V/0V
	8 24V/0V
	2
	(3Pin 5.08mm)
	24VDC±10
	200mA
DA	16
	0.01mm
	20000mm/s2(2G)

	U	
	EtherCAT	

2

QC300

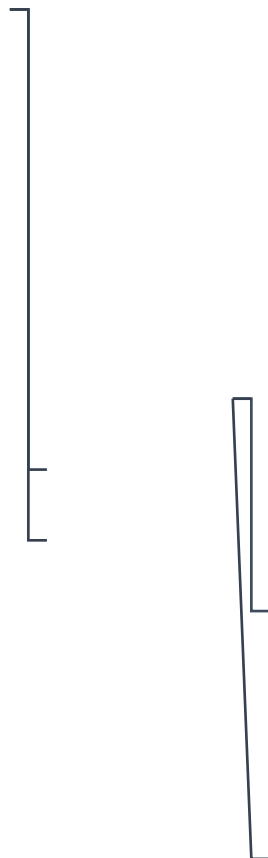
*

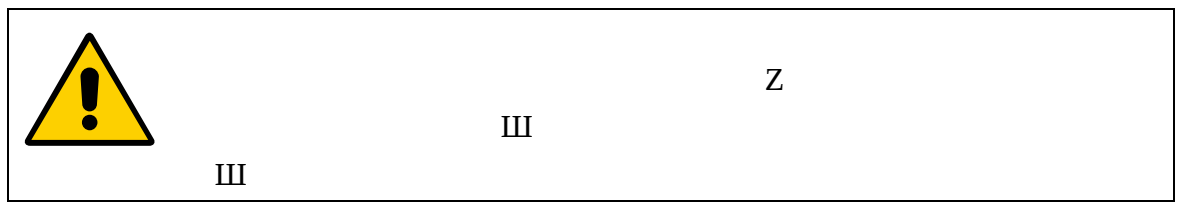
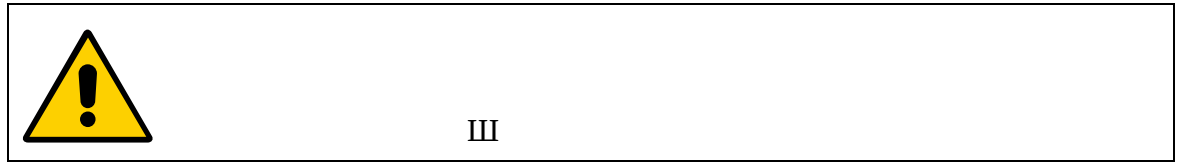
III

2.1

ESC		III
OK	OK	1. 2. III
 		III
 		1. 2. 3. III
ENT	ENT	ч
FOL		III
SHUT		III
FAST		
SLOW		
+0.1	+	0.1mm
-0.1	-	0.1mm

MID		
ORG		
F1	F1	
F4	F4	





III

2mm/s

III

III

5000III

III

III

2.4.4

III

2.4.5

III

2.4.6

III

2.4.7

III

2.5

6

QC300

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III

2.5.1

1. * † Ł † Ł

 † Ł III
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13. A01*	A01	III	
14. MID	*	MID	III
	MID	MID 1	
		MID 0	III

2.5.2

1.	*	III	mm/sIII
2.	*		
	III	mm/s ²	
3.		III	mm/sIII
4.			mm/s ² III

2.5.3 *

1.		III
	f ENT L	III
2.		III
3.		III
4.	Z	III

2.5.4 *

1.			III
	f L		
2.	Z		III

2.5.5

1.

QC300

III
2.

QC300

Ⅰ

Ⅱ III
3.

QC300

Ⅰ

Ⅱ III
4.

III
5.

2.5.6

1.

III
2.

Z

III

III
3.

III
4.

375r/min/V

1

375r/min

8V

3000r/min
5.

III

III

		1	2

	26	
	B2	

6.

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III
7.

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III
8.

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2.6

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III
2.

IO

IO

III

2.7

1.

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2.

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3.

QC300

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4.

5sIII
- III
- III
- Z
- f

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III

2.8

QC300	Ч	Ч	III
X	III	X	X
			III

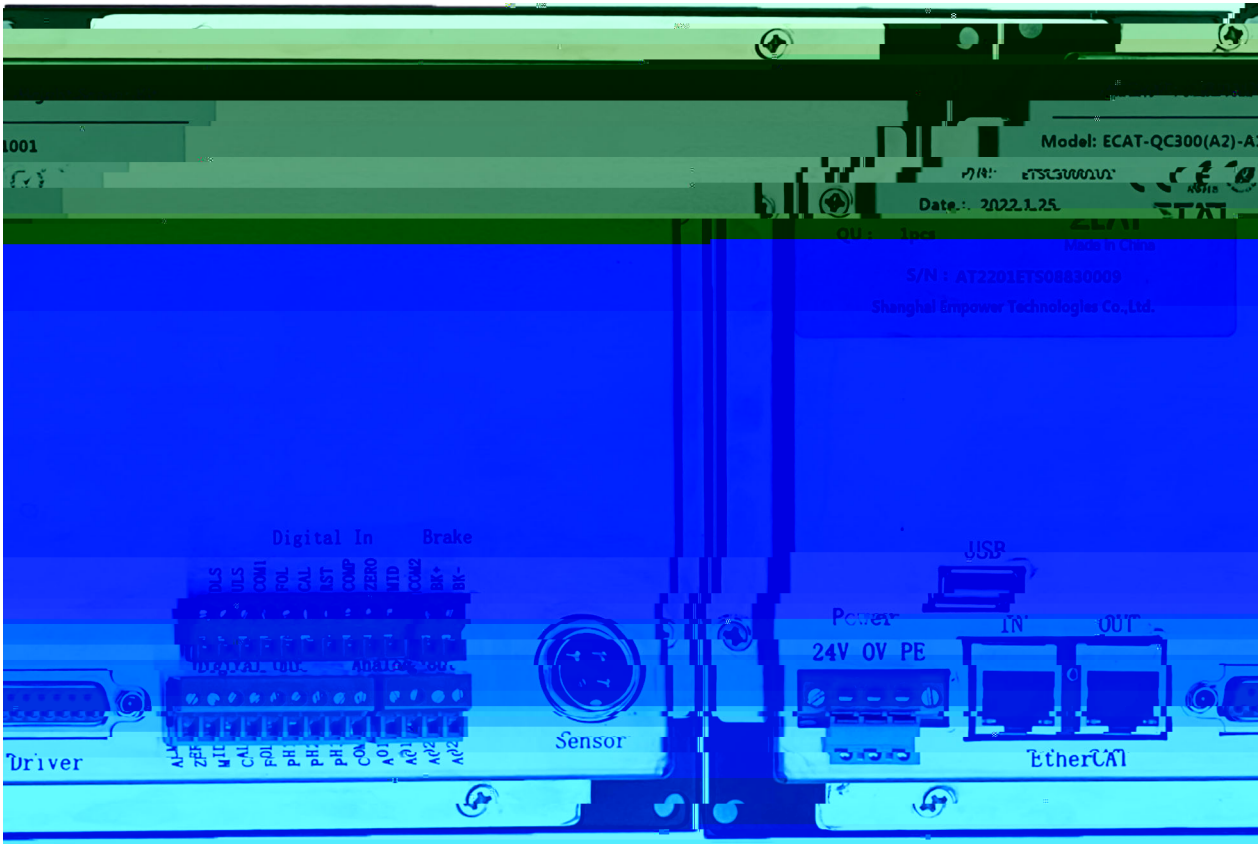


III

2.9

QC300	100	III
-------	-----	-----

3.2



3-2 QC300 V2.0

3-3 9 III

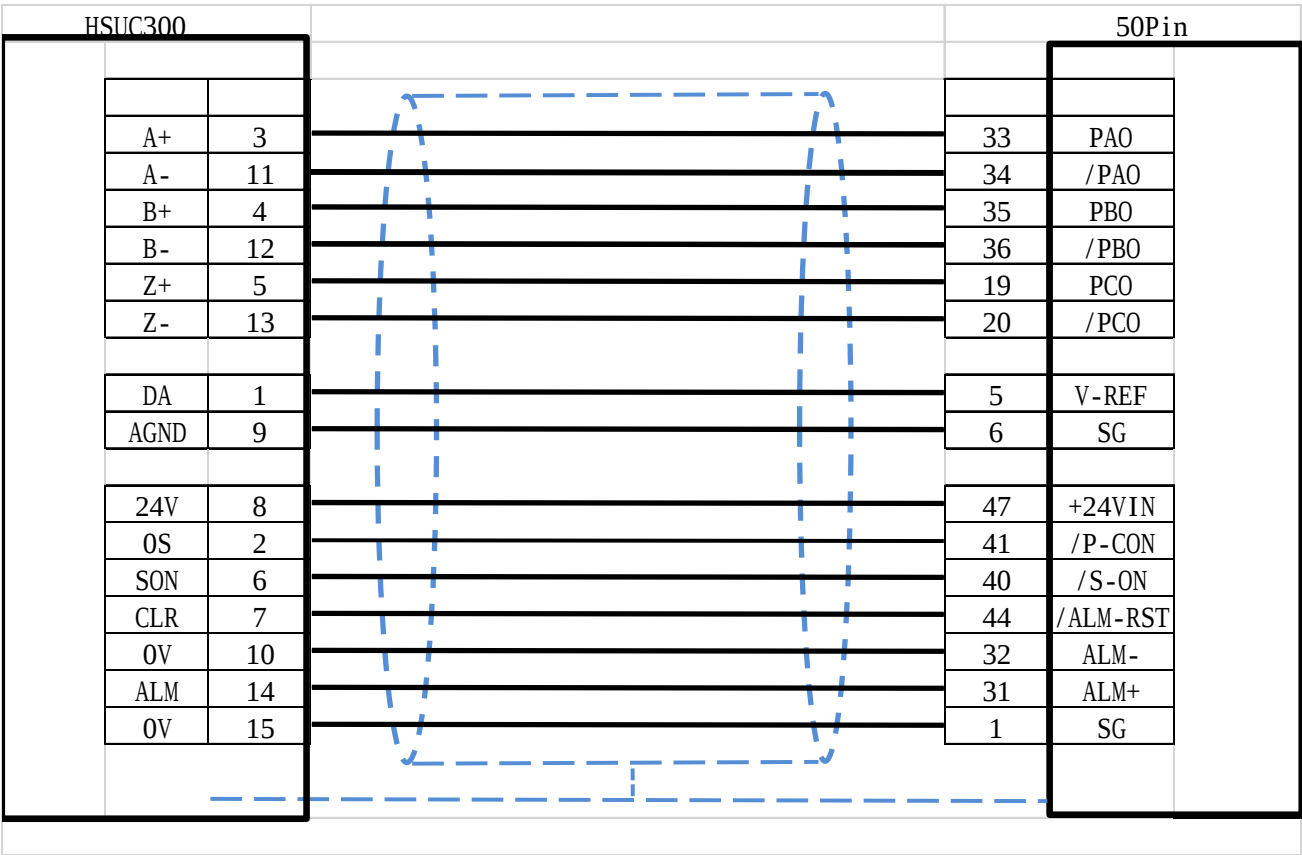
Power	24VDC				
USB	U				
(Driver)	III				
(Digital Out)	8	COM			
(Digital In)	8	2	COM1	6	COM2
(Sensor)	TTA III				
EtherCAT	EtherCAT	IN	OUT	III	
(Brake)					
(Analog Out)					

CAL		III	0V	24V	III
RST		III	0V	24V	III
COMP		III		24V	III
ZERO		III	0V	24V	III
MID	/	III	0V	24V	III III

	DLS	ULS	COM	COM						
COM _x	24V			III						
	DLS	ULS	COM1	FOL	CAL	RST	COMP	ZERO	MID	COM2

3.3

3.3.1

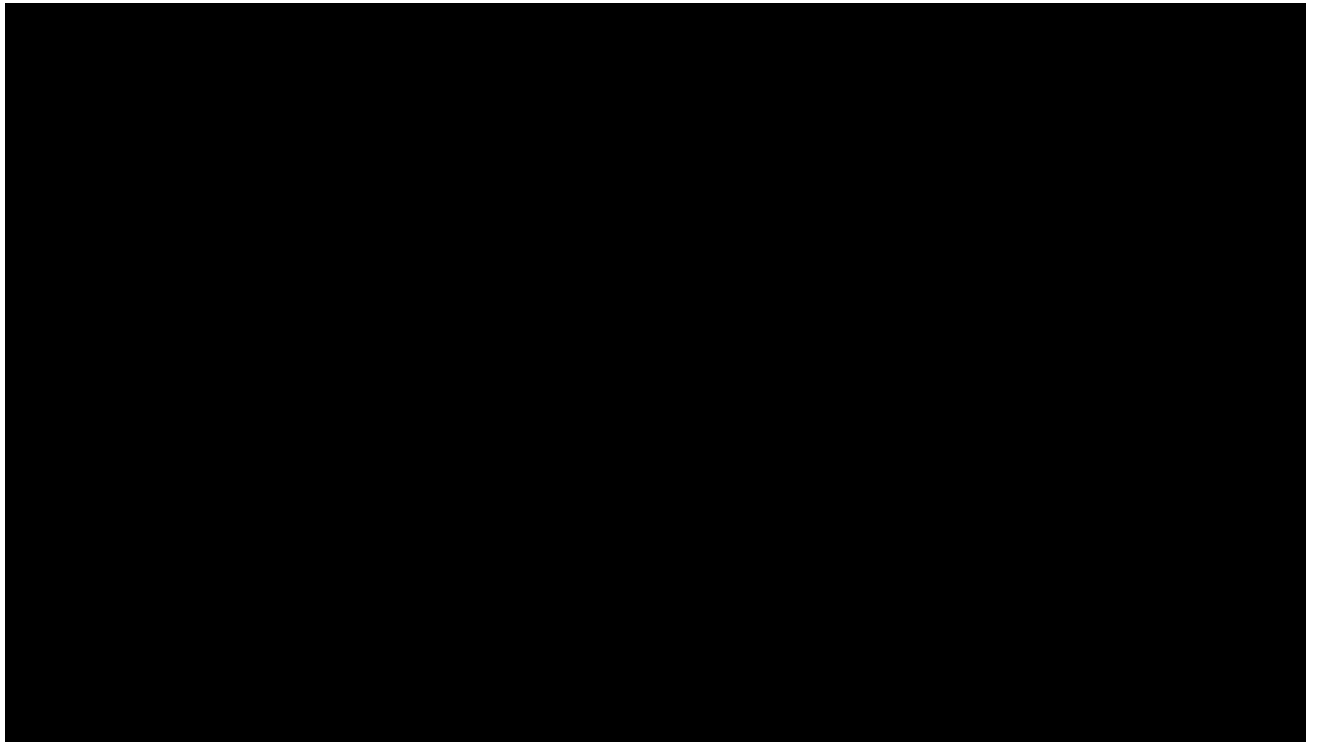


Σ -V

Pn000	00A0	
Pn00B		0100

Pn212	2500	QC300	10000
Pn300	6.00	QC300	500r/min/V
Pn50A	8100		
Pn50B	6548		

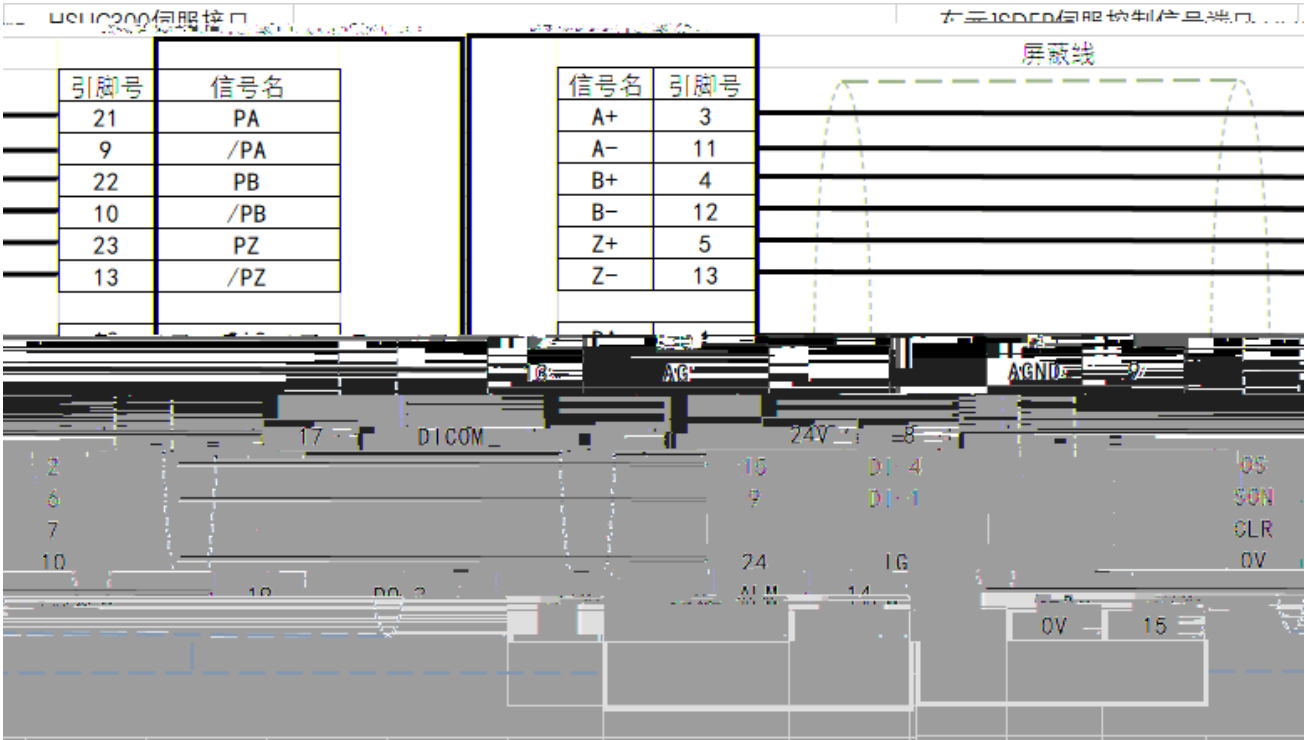
3.3.3



ASD-A

P1-01	0002		
P1-38	2000		
P1-40	5000	500r/v/min	
P2-10	101	DI1	SON
P2-11	105	DI2	CLAMP
P2-12	114		
P2-13	115		
P2-14	102	DI5	ARST
P2-22	007	DO5	ALRM

3.3.4

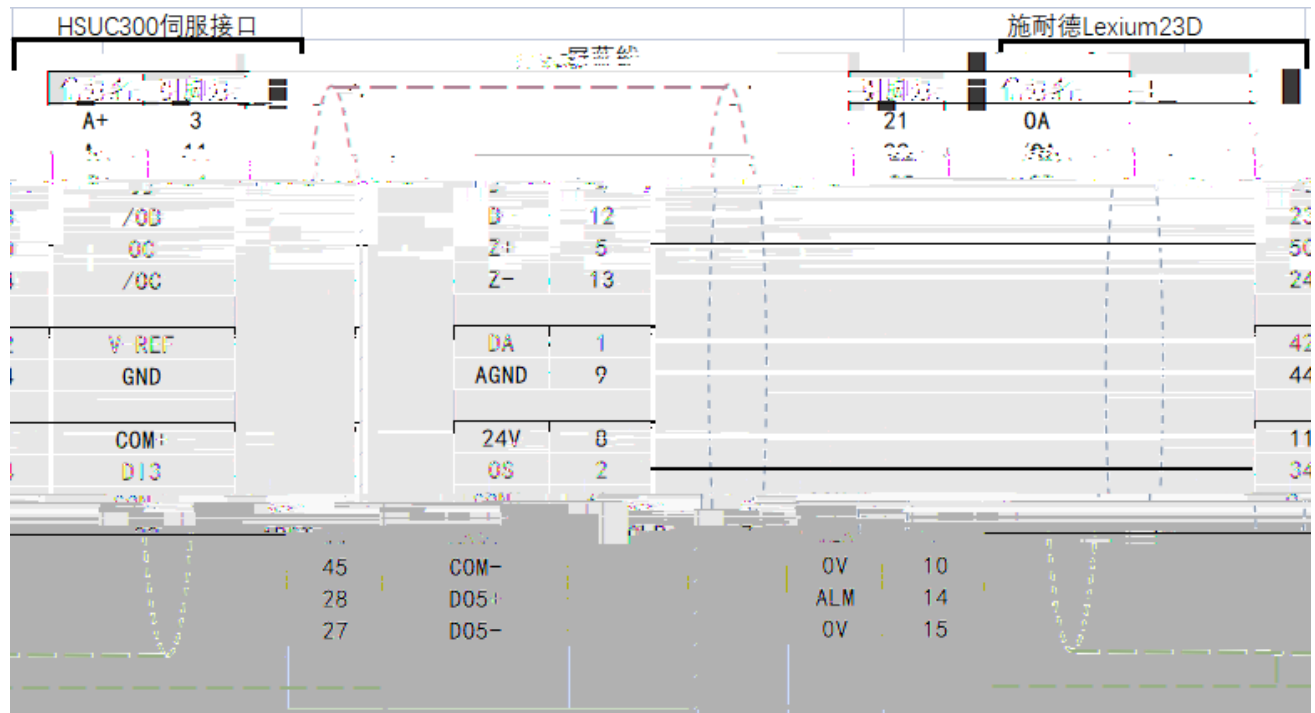


JSDEP

Cn001	1	III
Cn002.2	1	III Cn002 2
Cn005	2500	QC300 10000
Cn026	4	4 III
Sn216	4000	QC300 400

30 T5TT7 110T12 0 1TD

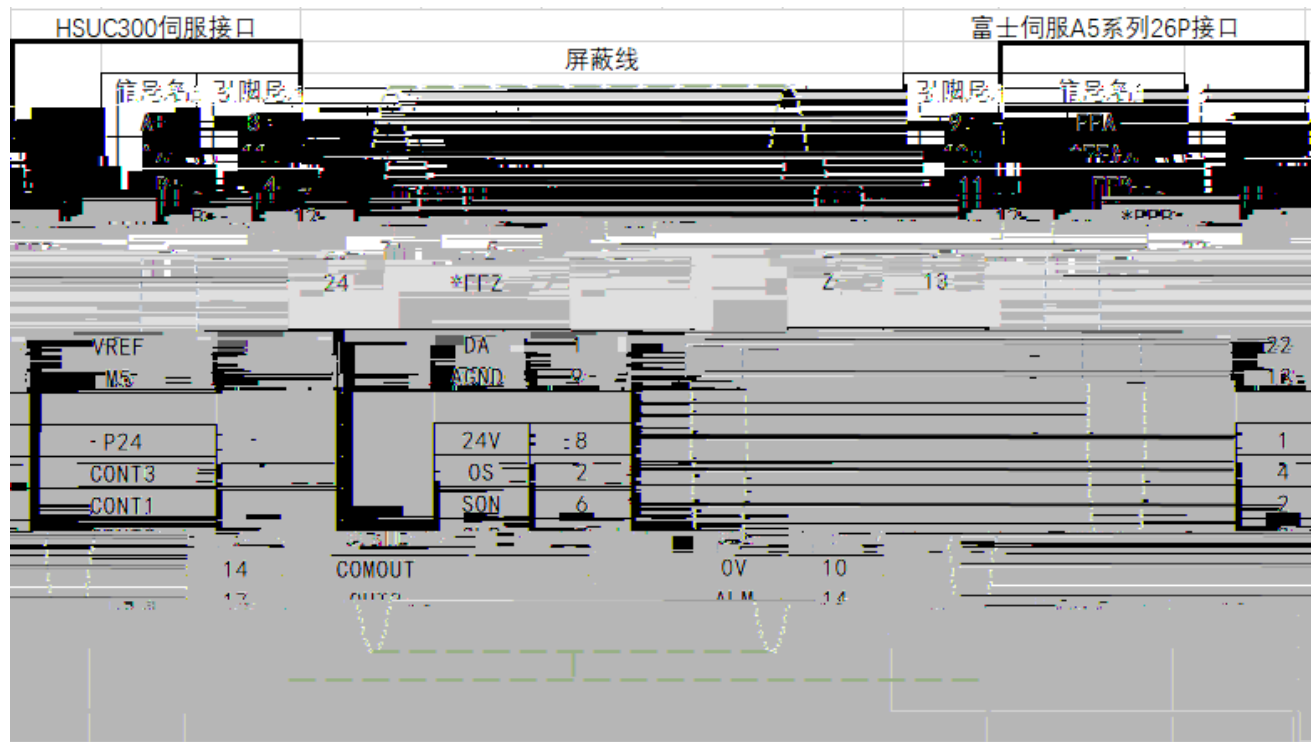
3.3.6 Lexium23D



Lexium23D

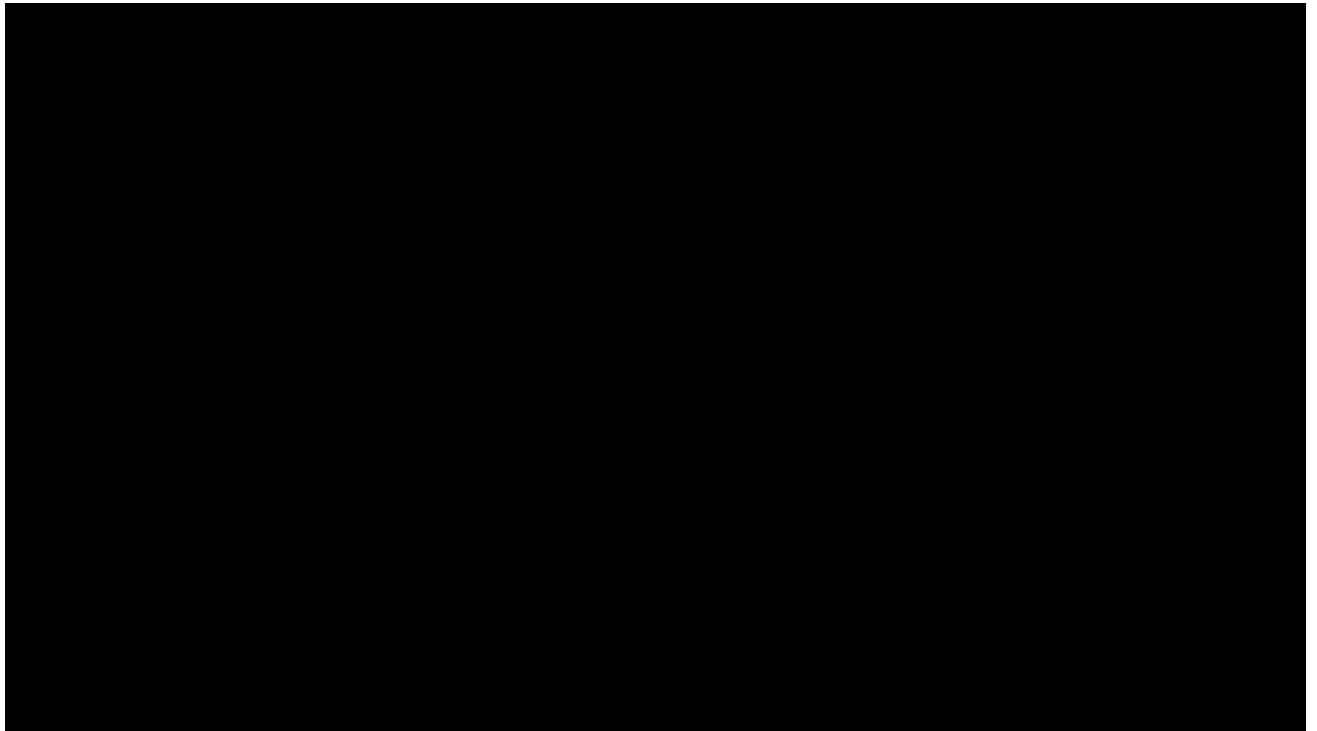
P2-10	101	IN1 SON
P2-11	0	IN2
P2-13~P2-17	0	IN4~IN8
P1-38	400	40.0RPM
P1-01	2	
P1-40	5000	500r/v/min
P1-46	2500	10000

3.3.7 ALPHA5



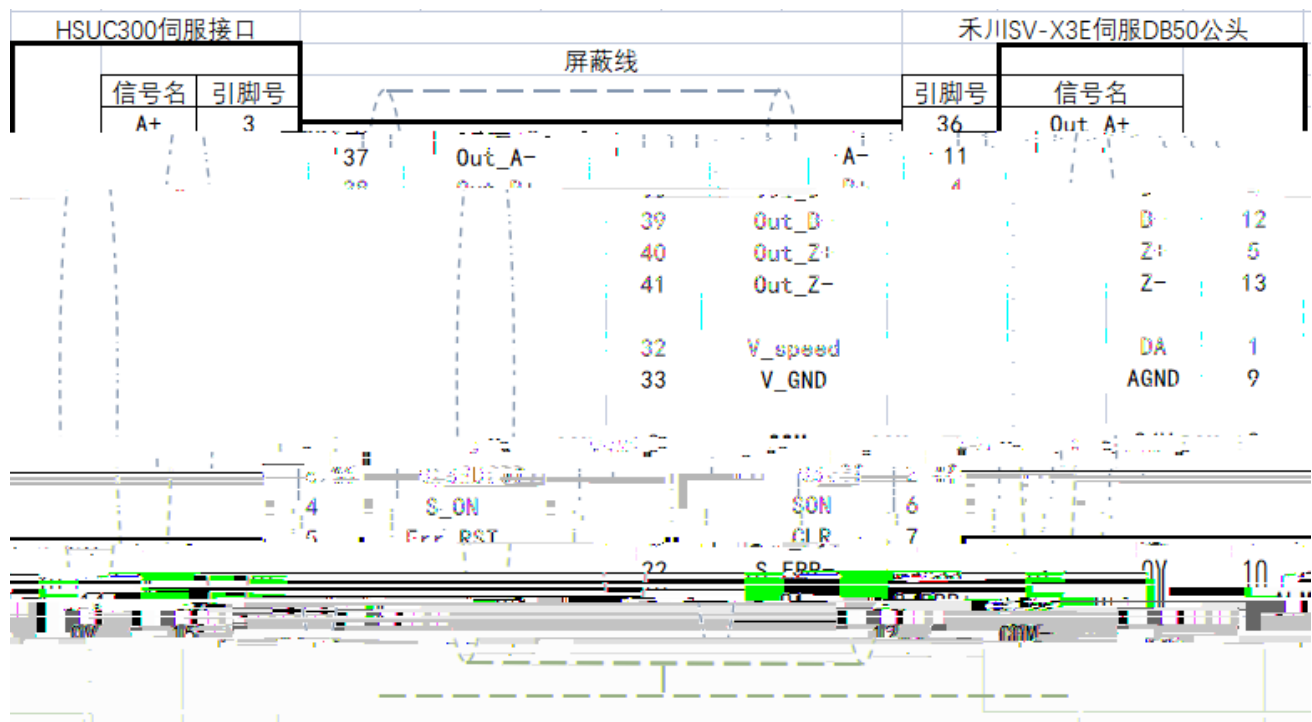
ALPHA5

PA-101	01	
PA-108	2500	10000
PA-115	17	
PA-303	02	
PA-331	6.0	500r/v/min

3.3.8**IS620P****IS620P**

H02-00	0	
H03-10	1	DI5
H03-11	0	DI5
H03-12	12	DI16
H03-13	0	DI16
H03-80	5000	500r/v/min
H06-00	1	A AI1
H06-02	0	A
H06-15	5000	

3.3.9 SV-X3E



SV-X3E

P00.01	1	
P00.03	17	
P03.00	1	SPR AI1
P03.19	1	
P04.03	12	DI3
P05.01	-1000	-10V
P05.02	1000	10V
P05.14	5000	500r/v/min

3.4 QC300

QC300

QC300

QC300

4

4.1

4.1.1

- 1.
- 2.
- 3.

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4.1.2

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- 1.
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- 3.

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4.1.3

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- 1.
- 2.
- 3.

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4.1.4

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4.1.5

QC300

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4.2

4.2.1

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4.2.2

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4.2.3

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4.2.4

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TTA

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4.2.5

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4.2.6

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III

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TTA

TTW

III

4.2.7

III

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5.1

EtherCAT



						X	
2000: 01	Cal Range		32	0.01mm		√	rw
2000: 02	Cal Speed		32	0.01mm /s		√	rw
2000: 03	Touch Cap Dif		32	1		√	rw
2000: 04	Cap Type		16		0:2D 1:3D	√	rw
2000: 05	Touch Cap		32	1		√	ro
2000: 06	Cal Points		16	1		√	ro
2001: 01	Port Position		32	0.01mm		√	rw
2001: 02	Z Travel	Z	32	0.01mm			rw
2001: 03	Mid Position		32	0.01mm			rw
2001: 04	Pid KP1	PID 1	32	0.01		√	rw
2001: 05	Pid KP2	PID 2	32	0.01		√	rw
2001: 06	Pid KI	PID	32	0.01		√	rw

09		2					
2001: 10	Pid Amp1	PID 1	32	1		√	rw
2001: 11	Pid Amp2	PID 2	32	1		√	rw
2001: 12	Dry Speed		32	0.01mm /s			rw
2001: 13	Dry Acc		32	0.01mm /s2			rw
2001: 14	Fol Speed		32	0.01mm /s		√	rw
2001: 15	Fol Acc		32	0.01mm /s2		√	rw
2001: 16	Fol Offset		32	0.01mm		√	rw
2001: 17	Fol Offset Delay		32	ms		√	rw
2001: 18	Touch Delay		32	ms		√	rw
2002: 01	Pulse Circle		32	1		√	rw
2002: 02	Pitch		16	0.01mm		√	rw
2002: 03	Max Rpm		16	r/min		√ √	rw
2002: 04	Vel Gain		16	r/min/V		√	rw
2002: 05	Up Lmt Logic		16				rw
2002: 06	Down Lmt Logic		16				rw
2002: 07	Gen Input Logic		16				rw
2002: 08	Servo Type		16		0: 1:	√	rw
8000: 00	Zero Position		32	P			

D15 III

2. (TX)8102H

16 bit

D15	D14	D13	D12	D11	D10	D9	D8	D7	D6	D5	D4	D3	D2	D1	D0

D0 1(R) D0 1

0 Ч III

D1 Ч D2 Ч D3 Ч D4

D8 C300 X III

D9 X

D11 1III

D12 Ч D13 III

D14 III

D15 III

5.2

III

5.2.1

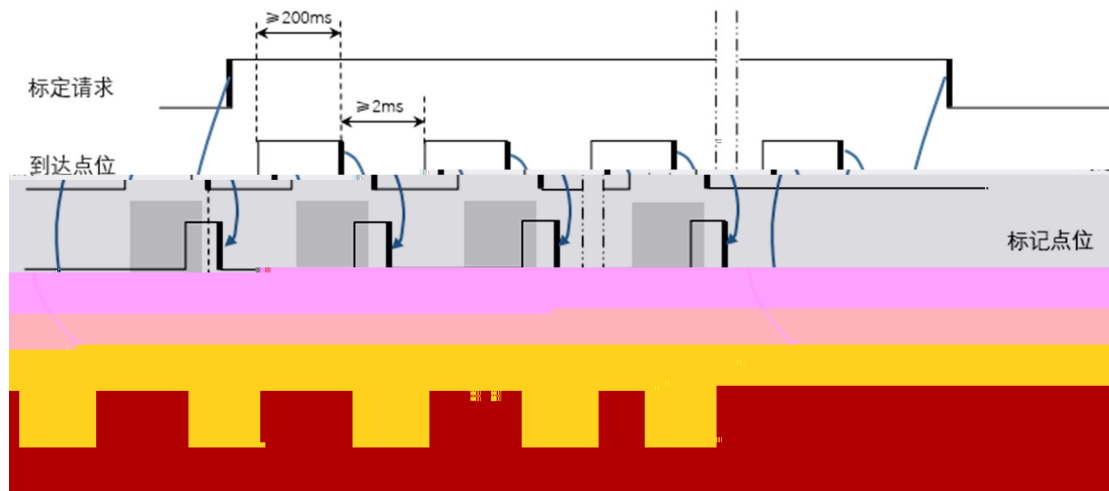
	I/O			
(CAL.REQUEST For ProCutter)		CAL	24V	
(STROBE For ProCutter)		V1.0:ULS V2.0:FOL	24V	

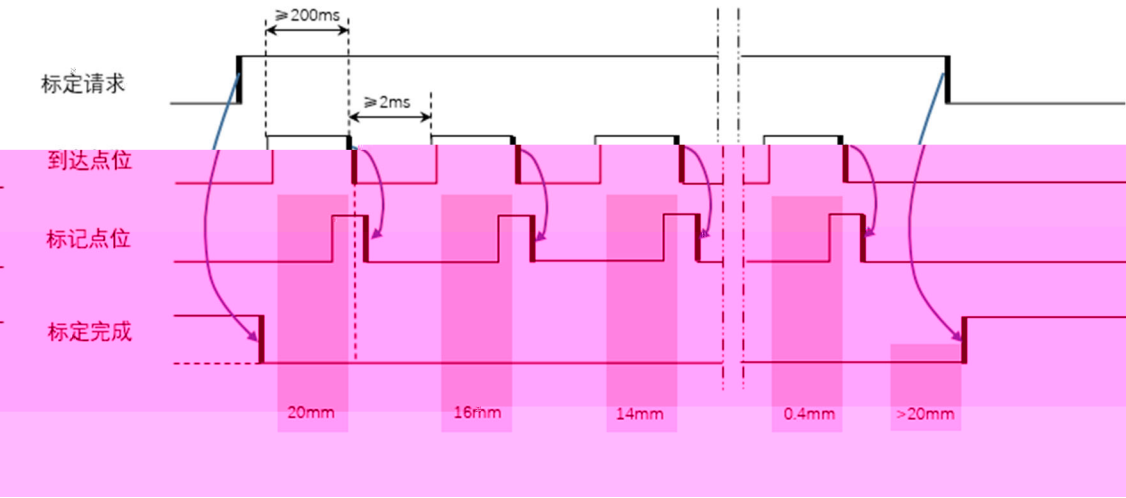
			--	
(TIP TOUCH For ProCutter)		ALM	24V	

1	10mm
2	8mm
3	7mm
4	6mm
5	5mm
6	4mm
7	3mm
8	2.5mm
9	2.0mm
10	1.8mm
11	1.5mm
12	1.2mm
13	1.0mm
14	0.7mm
15	0.5mm
16	0.2mm

1	20mm
2	16mm
3	14mm
4	12mm
5	10mm
6	8mm
7	6mm
8	5mm
9	4mm
10	3.6mm
11	3.0mm
12	2.4mm
13	2.0mm
14	1.4mm
15	1.0mm
16	0.4mm

10





5.3

C300 III

						X	
2000:0							
1	Cal Range		32	0.01mm		√	rw
2000:0							
2	Cal Speed		32	0.01mm/s		√	rw
2000:0							
3	Touch Cap Dif		32	1		√	rw
2000:0							
4	Cap Type		16		0:2D 1:3D	√	rw
2000:0							
5	Touch Cap		32	1		√	ro
2000:0							
6	Cal Points		16	1		√	ro
2001:0							
1	Port Position		32	0.01mm		√	rw
2001:0							
2	Z Travel	Z	32	0.01mm			rw
2001:0							
3	Mid Position		32	0.01mm			rw

2001:0		PID					
4	Pid KP1	1	32	0.01		√	rw
2001:0		PID					
5	Pid KP2	2	32	0.01		√	rw
2001:0		PID					
6	Pid KI	PID	32	0.01		√	rw
2001:0		PID					
7	Pid KD	PID	32	0.01		√	rw
2001:0		PID					
8	Pid Filter1	1	32	0.01		√	rw
2001:0		PID					
9	Pid Filter2	2	32	0.01		√	rw
2001:1		PID					
0	Pid Amp1	1	32	1		√	rw
2001:1		PID					
1	Pid Amp2	2	32	1		√	rw
2001:1							
2	Dry Speed		32	0.01mm/s			rw
2001:1							
3	Dry Acc		32	0.01mm/s 2			rw
2001:1							
4	Fol Speed		32	0.01mm/s		√	rw
2001:1							
5	Fol Acc		32	0.01mm/s 2		√	rw
2001:1							
6	Fol Offset		32	0.01mm		√	rw
2001:1							
7	Fol Offset Delay		32	ms		√	rw
2001:1							
8	Touch Delay		32	ms		√	rw
2002:0							
1	Pulse Circle		32	1		√	rw
2002:0							
2	Pitch		16	0.01mm		√	rw
2002:0							
3	Max Rpm		16	r/min		√	rw
2002:0							
4	Vel Gain		16	r/min/V		√	rw
2002:0							
5	Up Lmt Logic		16				rw
2002:0							
6	Down Lmt Logic		16				rw

2002:0 7	Gen Input Logic		16				rw
2002:0 8	Servo Type		16		0: 1:	√	rw
8000:0 0	Zero Position		32	Pulse		√	rw
8001:0 0	Ref Hight		32	0.01mm		√	rw
8002:0 0	FollowControlword		16			√	rw
8100:0 0	Real Capacity		32			√	ro
8101:0 0	Real Height		32	0.01mm		√	ro
8102:0 0	FollowStatusword		16			√	ro
8103:0 0	Z Position	Z	32	0.01mm		√	ro
6040:0 0	Axis Controlword		16			√	rw
6041:0 0	Axis Statusword		16			√	ro
6060:0 0	Axis Mode of Operation		16				rw
6061:0 0	Axis Mode of Operation Display		16				ro
6064:0 0	Position Actual Value		32			√	ro
606C:0 0	Velocity Actual Value		32			√	ro

D15	D14	D13	D12	D11	D10	D9	D8	D7	D6	D5	D4	D3	D2	D1	D0

1

III

D0

1(R)

0

1

III

D0

0

III

2. (TX)8102H

16 bit

D15	D14	D13	D12	D11	D10	D9	D8	D7	D6	D5	D4	D3	D2	D1	D0

III