، لإ ـا

لإ ـا

ﻩﻩ ﺲﭙ :

:

QC300 ﺌﻮ ὢ ℗ ◓ ₮ ẅ ﮬﺞ ˘ ˇ

˵ Â QC300 ₮ ὢ ƚ Đ Ḩ ˘ ﯧ ₮

Â Ƚʊ ἳ ɣ ὓ └ Ḥ ˘ └ ὢ Đ ﺸﻤﻢ Â

ὢ ˇ Đ Ḩ 1 1 ˘ ễ

˘ ﹳ 1 1 Ẓ Â

ﭻ QCR0ÄLBÿÃüⓇ ﭗ

1.2 ï

ï	
~	8 ˆ 24V/0V˜
₮	8 ˆ 24V/0V˜
₮	2 ˆ Ḡ ˜
ʟ	ɸ ʟ (3Pin˘ 5.08mm)
⅃	24VDC±10 ⌐
	200mA
№	16 β
	0.01mm
±	20000mm/s2(2G)

1.3 ᷉ پس п ש֗

	п ש֗	
ῴ ᒣ	ᒣ ᎧᎯ ﻧﺠﻰ ῴ	ᆨ ﻧﺨ ὶ ℗ ◓ ˇ Ѣ Ձ˘ ą ﻧﺠﻰ ῴ ’
ﻧﮭ Ð Ⅵ	ᆨ U ﻧﮭ Ð Ⅵ	ᆨ ﻧﮭ Ð˘ ɽ ﹾ
ﹾ	EtherCATﹾ	Ձ ΰ ف ˇ ᒪ Ḃ п ש֗
ἲ	ᆨ Ꝃ ἲ	᷉ ˘ ą
ә	ﺔ ‰	ı ἲ ˘ ᒪ
ﺔ ᆨ	ᆨ ﺔ ﺔ ˘ ą ﺔ ℊ	ᆨ ˘ Ѣ Ձ ﺔ ˘ ɣ ʃ ℊ ᷉
	ﺴﺢ ﺿ ˇ Ð ˘ ŋ ɳ ᒪ Ḥ	ﺨﻲ ᷉ Ţ˘ Ŧ
	ﺔ Ţ˘ ˇ ˘ ỵ ỵ ˘ ŋ ɳ ᒪ˘ Ḥ	Ḡ ˘ ﺨﻲ ᷉ Ţ Ŧ

ƀ

QC300 ˇ ˝ ˘ Й * ἳ ˝ ˋ
˘ خي ƀ Й˘ ˀ ˝ خيُ؛ β Đ Ţ Â

≢		˝
ESC	نجٜ	Ŧ نجٜ؛ w̄ ˥˘ Ả ╠ ﹎ Â
OK	OK	1. ˜ Й w̄ ˥˘ ˜ ˥ʾ 2. Ḡ ἳ Â
◀ ▶	ۚڮ Ն	خي ἳ ۚڮ ﹎ ἳ Â
▲ ▼	؛ Й Ն	1. خي ħ └ ῴ ؛ Й ﹎ ʾ 2. خي ˥ ˥ ʾ 3. خي ἳ ἳ ˘ ؛ ˖ ˘ Й ⁝ Â
ENT	ENT	خي Ŀ ȁ Ŧ ˧ ƀ
FOL	﹎	ῴ ˝ ˘ ῴ ﹎ ⌠ Â
SHUT	﹎ ˀ	ˀ ῴ ˝ ˘ ῴ ؛ Ả Â
FAST	﹎	˖ ﹎ ف ˆ Ḡ ˜
SLOW	﹎	ᵞ ﹎ ف ˆ Ḡ ˜
+0.1	﹎ +	﹎ ˖ 0.1mm
-0.1	﹎ -	﹎ ᵞ 0.1mm

MID	ক্ষ Ţ	ক্ষ ⎡ Ţ β β
ORG	ক্ষ ለ	ক্ষ ⎡ ለ
F1	F1	β D ক্ষ ˇ Й ך ץ ╠ β ч ˆ Ь ˇ ~
F4	F4	

ّ طي

ّ طي Й̦ ʿ

h

Δ ı ˜ h Â

نج ƀ

نج ῳ Ꮭ ﹎ نج ⁞ β ˘ Ձ Z سج Â Ḩ

╟ ῳ نج ƀ Â ῳ نج Ⴟ β ἳ ＝ ` نج Ả Â

	˪ نج ƀ Ḩ ╟ Ḡ β Ḫ ˘ ῳ خي Ḩ β Ḩ ˘ ` ↕ ˥ ᴪ Â

سح ض Ƅ Đ Ḩ Ƅ ض سح ˜ Â

╟ ῳ ض سح ﹎ ⌠ Đ β ˘ ľ Ŀ Â

نج ↕ Â

ᴪ 10~20s ˘ ض سح ᴪ ῳ щ ү Ӎ ƀ Ӎ

β ’ ’ Ƕ β ’ Â

Ⴟ˘ ᴪ ˘ ɢ ℗ ◓ ˘ ᴪ ȁ

ȁ ˘ ǥ ℗ ◓ ˘ ᴪ ȁ Â

ẅ ˘ شم ˘ ℗ ◓ ႘ ч ǥ ˘ ℗ ◓

႘ ч ǥ Â

	˪ Ḩ ╟ Ḡ ῳ β Ƕ ˘ ғ Z ˘ ү ῳ ΰ β Ŧ Â˘ ˘ Đ شم ˘ Ḫ Ⴟ Â

شم

ﺸﻢ̆ Ꭓ˘ ꟷ ﺸﻢ └ﺨﻲ

ỵ ɣ ρ̉ Â

ʿ

ﺾ ﺢﺳ ◌ؙ˘ ˘ ҹ 2mm/s˘ ◌ؙ ˘

˘ Â

ʿ

ﺨﻲ ỵ ᴪ Ŧ ı ˘ ỵ ħ ɢ ∞ ˘

Â ҹ 5000 Â Ŧ Ѣ ⌠ ’˘ ꞁ ɣ ᵞ ĭ̋ Â

ʿ ꞁ Ŀ ؟ ˝ Â

ﻨﺠﻲ

ﻨﺠﻲ№ ҹ̂ ˇ ˘ ﻨﺠﻲ̆ ᴪ Ạ № ˘ ᵀ

Â

╠ ˘ ’ Й˘ ꟷ Â

˜ Ꭓ ╠ ˘ ҹ ˘ ҹ ỵ Â

ỵ Â

ĭ̋

ĭ̋ ħ . ꝗ Й 6 ĭ̋ ˘ Δ ą QC300 ˘ ˩

ɣ Й ĭ̋ ˘ ì ľ ĭ̋ Ŀ ˘ ` ↕ ƀ Â

ĭ̋

1. ـ * ـ № ч ľ ـ Ь ˇ ľ Ь ң ˇ ـ Й˘ ڃ

خي ـ ɒ Й ~ ـ ˇ Й˘ ڃ خي ـ ɒ Й ~

ˇ ˝ ĭ خي ľ ĭ Ь Ţ Â h ˇ Й Ţ β

Ŧ Ь ≛ Ь 3

13. A01*ʿ A01 Ŧ ɺ ỵ Â

14. MID ᵝ ˝ *ʿ نجـ Ţ ˘ ˜ ᵝ MID ч نجـ Ţ˝ Â

˘ ˜ ᵝ MID ƀ ч ą ˝ ˘ خي MID 1 Ŀ ꟷ ꟷ ƀ ῴ

˘ Ɗ ˜ ꟷ ˘ MID 0 ˘ Ŀ ꟷ ꟷ ƀ ˜ ꟷ Â

ἳ

ἳ ᒣ

1. *ʿ ῴ نجـ Ţ˘ نجـ Ꮑ ˘ نجـ Ả Â ᒣ ᵝ mm/s Â

2. ˗ *ʿ ῴ نجـ Ţ˘ نجـ Ꮑ ˗ ˘ ۲ ὓ ꟷ Ŀ ῴ

Ķ ‖ ˗ Â ᒣ ᵝ mm/s2

3. ꟷ ʿ ꟷ ῴ Â ᒣ ᵝ mm/s Â

4. ꟷ ˗ ʿ ꟷ ῴ ˗ ˘ ᒣ ᵝ mm/s^2 Â

ꟷ ἳ

1. ꟷ ʿ ʿ ꟷ ۲ ʾ ᵞ ʿ ꟷ ۲ ᵞ Â ᒥ

خي ħ ľ ENT Ŀ ℗ Â

2. ꟷ ʿ ꟷ ꟷ Â

3. ꟷ ᵞ ʿ ꟷ ᵞ ꟷ Â

4. ᵝ ʿ Ŀ Ɗ Z ᵝ Â

2.5.4 ᵝ ἳ

1. ᵝ ʿ ` Ŀ ꟷ ᵝ ^ نجـ ˜ ˝ ˘ Ɗ

ч ľ Ŀ Ḡ ἳ Â

2. نجـ ʿ Z نجـ Â

ᒣ

1. ẏ˓ QC300 ῞Ḥ ̂ ፨ ˜ Â ῤ ⌠ β

ƾ˘ ɢ ꟷ ₮ Đ Đ ▲ ꟷ ᛇ ﰿ

ẏ˘ ғ ˘ QC300 ᴪ῀ ľ Ŀ Â

2. ˓ Â ẏ ˘ ῞Ḥ ῀

˘ ꟷ Ӟ Â

3. ˓ ﱢ ꟷ Ţ˘ ⌠ ẏ ˘ ῤ

ᴪ ꟷ ፨ Ḡ ˘ ₮ Ḥ ˘ QC300 ᴪ῀ ľ Ŀ Â ẏ Ƀ ╕ ч

Â

4. β˓ Ŀ β ˘ ῤ ƾ Ƅ ˓P ₮ Â

` ↕ . ﱢ˘ ꟷ β Â

5. 1 ẏ˓ ῐ ╠ ẏ ` r ẏ ∞ ‰

˘ ╠ r ፨ 1 ẏ ↕ ᴪ 1 ˘ ῤ

Ⓟ ◓ ╕

ῐ

ῐ ٦

1. ‖ ˓ ə ﱨ ῐ ‖ Â Ƅ ꟷ ﱨ

ῐ ẅ Â

2. Ꝃ ˓ ᴰꟷ ˘ Ꝃ ˘ ↕ ч Ꝃ Â ፨ ˘

ą Ꝃ ˘ Z Â

3. ˓ ə ῞Ḥ ፨ ˘ ΰ Â

4. ˓ ɱ ɺ ˘ Ƅ ꟷ ﱨ Ţ ῐ ẅ

̂ ᴘ 375r/min/V˘ ɺ ɻ 1 ɱ˘ ˗ 375r/min˘ ɺ 8V 3000r/min

˜ Â

5. ə ﱧ ħ ə Ḥ Â Ӥ ↓ ₮ ʊ ə ꟷ ﱨ ﱧ

∞ Â

		1	2

	26	
	B2	

6. ꙰ β ˜ *ʿ ꙰ β ˜ ˀ ˘ Â

7. Й̦ β ˜ *ʿ Й̦ β ˜ ˀ ˘ Â

8. ˜ *ʿ ˜ ˀ ˘ Â

ⱴ

1. Ꙇ ї̏ ʿ ↕ ə Ꙇ ї̏ Â

2. IO ʿ ˜ Ꭓ ̃ IO ˘ ۑ Ꭓ ̱ ط ą Â

Ꞁ ʿ

1. Ⱡ ʿ Ⱡ Ð Â

2. ʿ Ţ ℗ Â

3. Ḥ ʿ QC300 Ð ΰ Ð Â

4. ə ʿ

ə ễ ə ˘ ɷ ə 5s Â

ỵ ʿ ╟ ỵ Â

ỵ ʿ Ҹ ╟ ỵ Â

ʿ ə ╟ Ҍ ῲ ꟷ ⌠ Z Ḩ ˘ ə ⸆ Ψ

˘ Ꮒ Ψ ľ Ŧ Z Ŀ Â

ꞁ

℗

QC300 ȁ ȁ ᴰ ﮨ ˘ ˥ ℗ Â ƀ Ţ
˥ X ℗ Â X ˘ ↕ ƚʊ X Đ ą Â

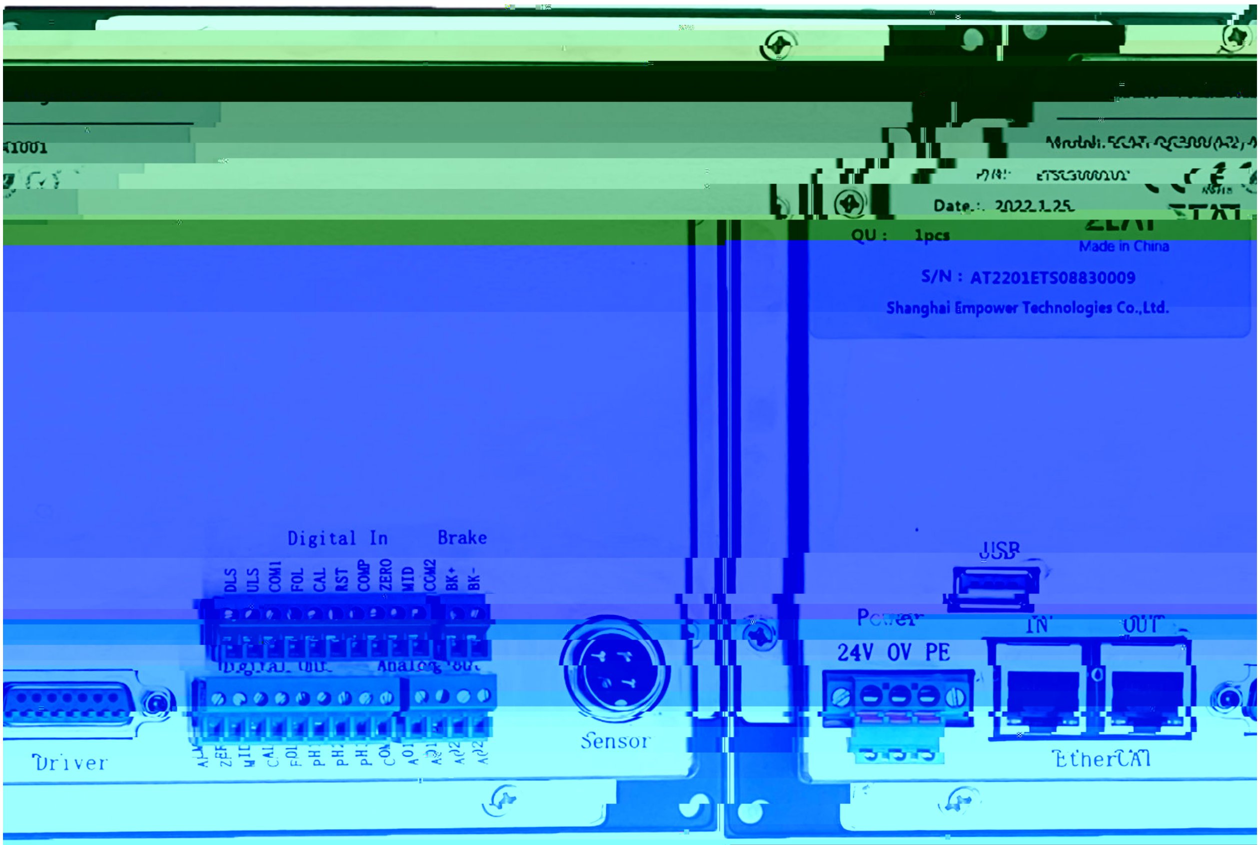
ƀ ℗ Ⅹ Ŀ ﮨ Â

Ḥ

QC300 ˥ 100 Â

ษ์ V 2 .

ˀ



Model: ECAT-QC300(A2)
P/N: ETSC3000101
Date: 2022.1.25
QU : 1pcs
Made in China
S/N : AT2201ETS08830009
Shanghai Empower Technologies Co.,Ltd.
Digital In
Brake
DLS ULS COM1 FOL CAL RST COMP ZERO MID COM2 BK+ BK-
Digital Out
Analog Out
Driver
Sensor
USB
Power
24V 0V PE
IN
OUT
EtherCAT

طي 3-2 QC300 Ϫ ˆ V2.0 ˜

طي 3-3 Ϫ ˘ ‶ 9 ɞ ˀ Â

ˀ	
ˆ Power˜	24VDC ˀ
USB	U ˀ ˘ ɢ ˥ ﻬ Đ
ə ܄ ﻬﺞ (Driver)	ə ܄ ﻬﺞ ˀ Â
Ŧ (Digital Out)	8 Ŧ ˀ ˘ ‶ ẅ ɞ COM
˜ (Digital In)	‶ 8 ˘ ỉ Ţ 2 ‶ COM1˘ 6 ‶ COM2
ᴰ ﻬﺞ (Sensor)	╠ ﻬﺞˆ TTA˜ ˀ Â
EtherCAT	EtherCAT ɩ ˀ ˘ IN ˇ OUT ‶ ʜ ɞ Â
(Brake)	ɢ
Ŧ (Analog Out)	

ə ꞓ ۿج ̉ Ꞙ ̔

1	OUT_Servo_DÂ ꞓ ۿج פ ̃
2	Servo_OŜ ꞓ ۿج β ̆ G L ̃
3	E1_A_P̂ ۿج A ̃
4	E1_B_P̂ ۿج B ̃
5	E1_C_P̂ ۿج C ̃
6	Servo_SON̂ ꞓ ۿج ą Ḥ ̃
7	Servo_CLR̂ ꞓ ۿج Ḥ ̃
8	VDD_24V̂ ̃
9	AGND̂ شم̃
10	PGND̂ شم̃
11	E1_A_N̂ ۿج A ̃
12	E1_B_N̂ ۿج B ̃
13	E1_C_N̂ ۿج C ̃
14	Servo_ALM̂ ꞓ ۿج Ḥ ̃
15	PGND̂ شم̃

Ŧ Ꞙ̂ Ŧ ч 24V̆ ᵞ ч 0V̆ ̔

β	Ꞙ	
	Ŧ	ȕ ̆ Ŧ ̆ ч ᵞ
	ڿ	Â ڿ ̆ Ŧ Â
	ڿ Ţ ⌠ β /PWM	ۿج خي Ţ β ̆ Ŧ Â Ң ч PWM Ŧ Â
		ȕ פ Ⴟ̆ Ŧ ɼ ᵞ 1 ч Â
	ꞓ ⌠ β	ȕ ꞓ פ ⌠ β Ⴟ̆ Ŧ ɼ ᵞ 1 Â
	ŵ ⌠ β	Ң̆ ⌠ Ⴟ̆ Ŧ Â
	Ƕ ⌠ β	Ջ჻ Â
	჻ ⌠ β	Ջ჻ Â

̃ Ꞙ ̔

β	Ꞙ	
	Ң β	̃ Ң β ̃
	჻ β	̃჻ β ̃
	ꞓ ̃	Â ̃ 24V ̆ Ŀ ꞓ Â ̃ 0V ƀ ̃ ꞓ Â

	˜	⁘ ↘	Â ~ 0V₁ ч 24V ˘ Ł ₋ ƀ Â
	β	⁘ ↘	Â ~ 0V₁ ч 24V ˘ β Â
	ẽ		Â Ł ẽ Ƶ˘ ~ ч 24V ˘ ẽ Â
	نجـ ˜	⁘ ↘	Â ~ 0V₁ ч 24V ˘ ѽ نجـ Â
	نجـ Ţ ˜ / ą	⁘ ↘	Â ~ 0V₁ ч 24V ˘ ѽ ґ نجـ Ţ Â β ˇ ч ↕ ˘ ₋ Ḥ₋ ą Â

˙

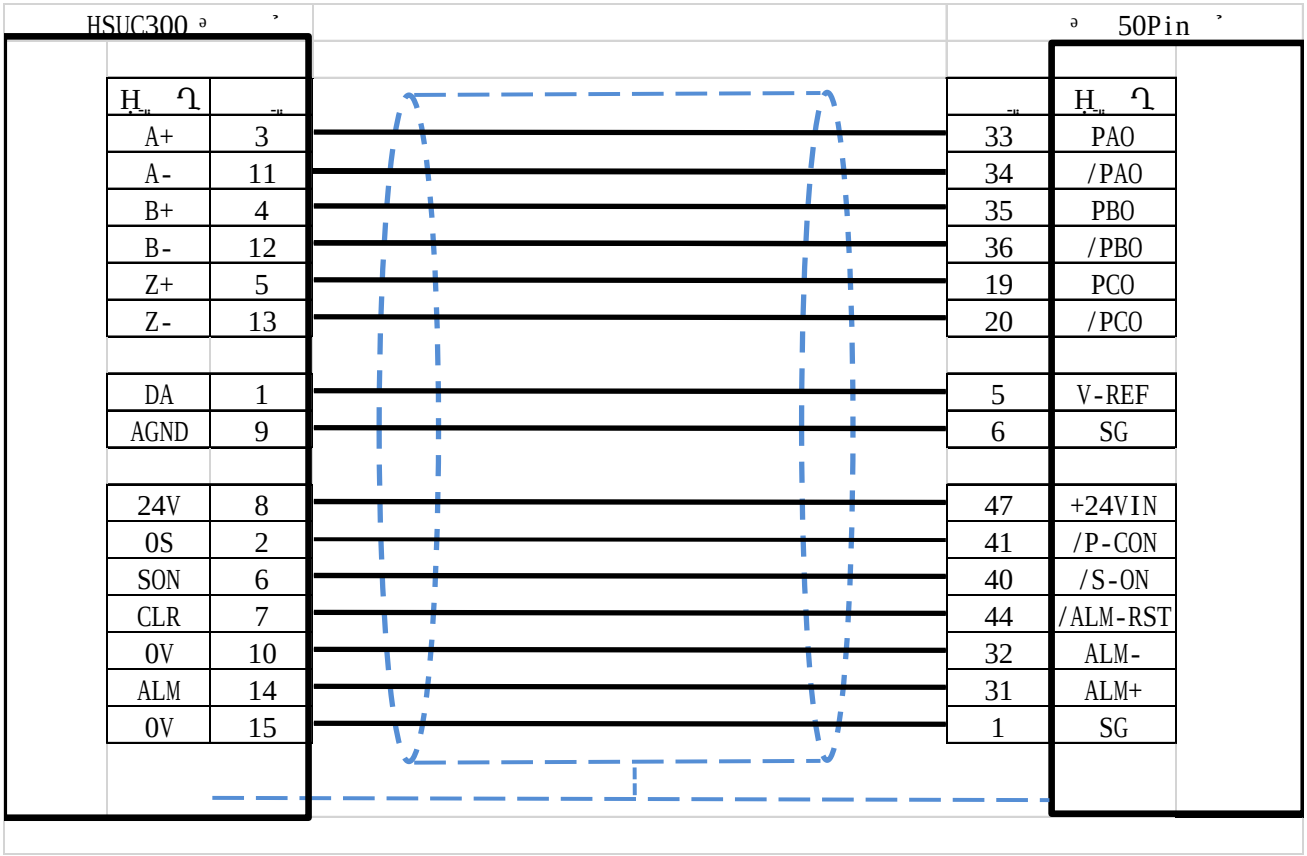
~ ˝ ң ˘ DLS ˇ ULS ˝ COM˝ ˘ ì φ ˝ COM˝ ˘ № Й ˘

~ β ˇ COMx ң خي 24V ل ˘ ~ Â

DLS	ULS	COM1	FOL	CAL	RST	COMP	ZERO	MID	COM2

طي هج ₋

طي هج ₋



∑-V ↓ ə ĭ ĭ Й ˙

ĭ نجـ	ẏ	ɋ ɥ
	00A0	β نهـ ˇ L
		٦ ~ 0100

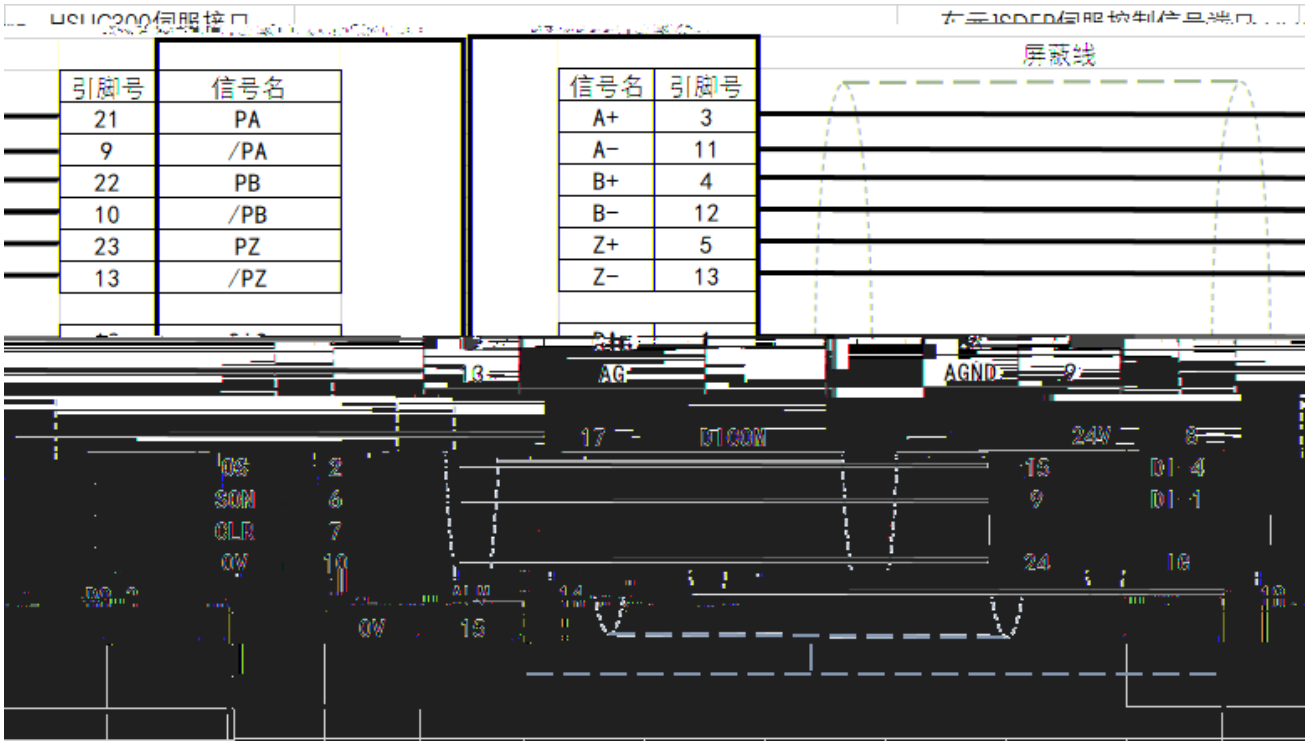
	2500	֍ ₮ ‖ ˘ QC300 ‖ ĭ 10000
	6.00	QC300 ĭ 500r/min/V
	8100	ᵊ ᄀ ᄇ
	6548	ĭ ᵊ ᄀ ᄇ

ך ۦ ﮨﺞ ﻄﻲ

ך ASD-A ↓ ᵊ ȉ ȉ Й̦ ʿ

ȉ ﻨﺠﺲ	ỵ	ʠ ɉ
	0002	└ ˘ ч
	2000	ᵝ ỵ ч
	5000	ﮨﺞ 500r/v/min
	101	DI1 ч SON ᵊ a̧ ˘ ч
	105	DI2 ч CLAMP ᵝ ˘ ч
	114	و ﬤ ч └
	115	و ﬤ ч └
	102	DI5 ч ARST ˝ ˘ ч
	007	DO5 ч ALRM ᵊ ˝ ˘ ч

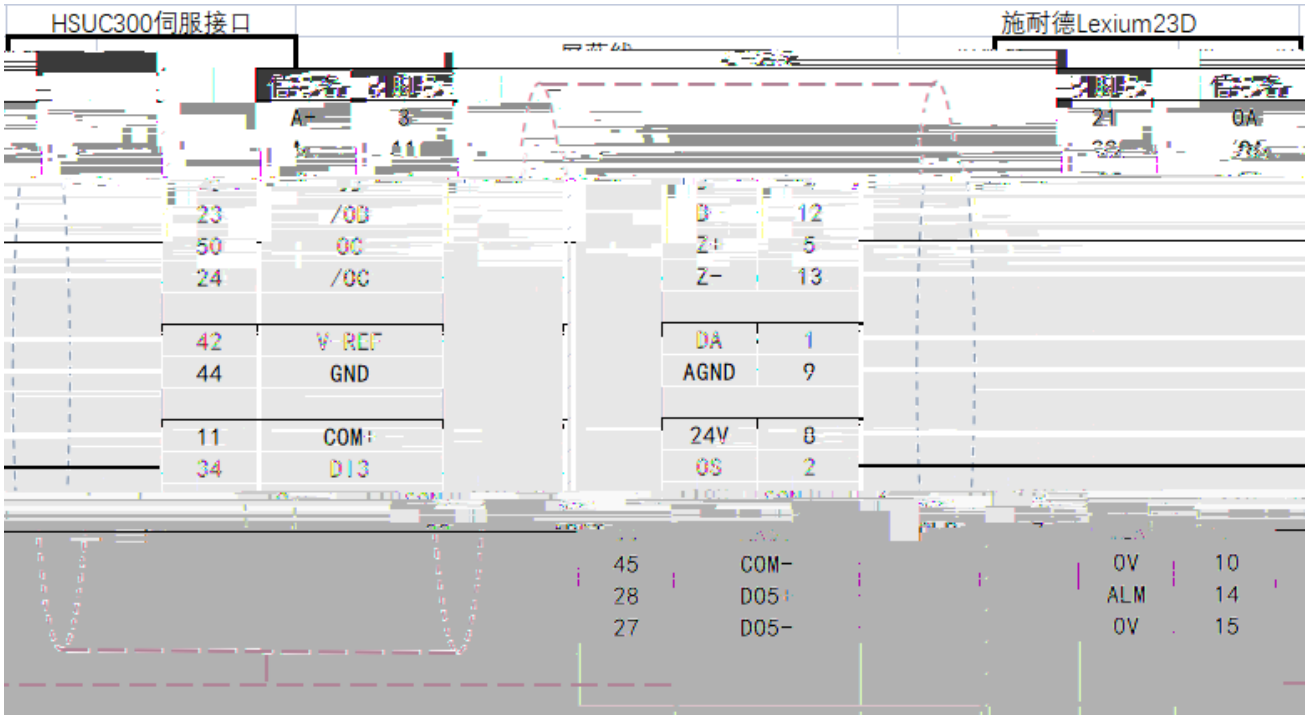
к ″Ң ə طي



к ″Ң JSDEP ə ĭ ĭ Й

ĭ ج	ү	Ԛ ԋ
	1	L ˘ ч L Â
	1	ѕ Âˆ ˈ Cn002 2 β ĭ ~
	2500	ԓ Ŧ ‖ ˘ QC300 ‖ 10000
	4	↕ ˘ 4 ^ ㄱ Â
	4000	˘ QC300 ч 400

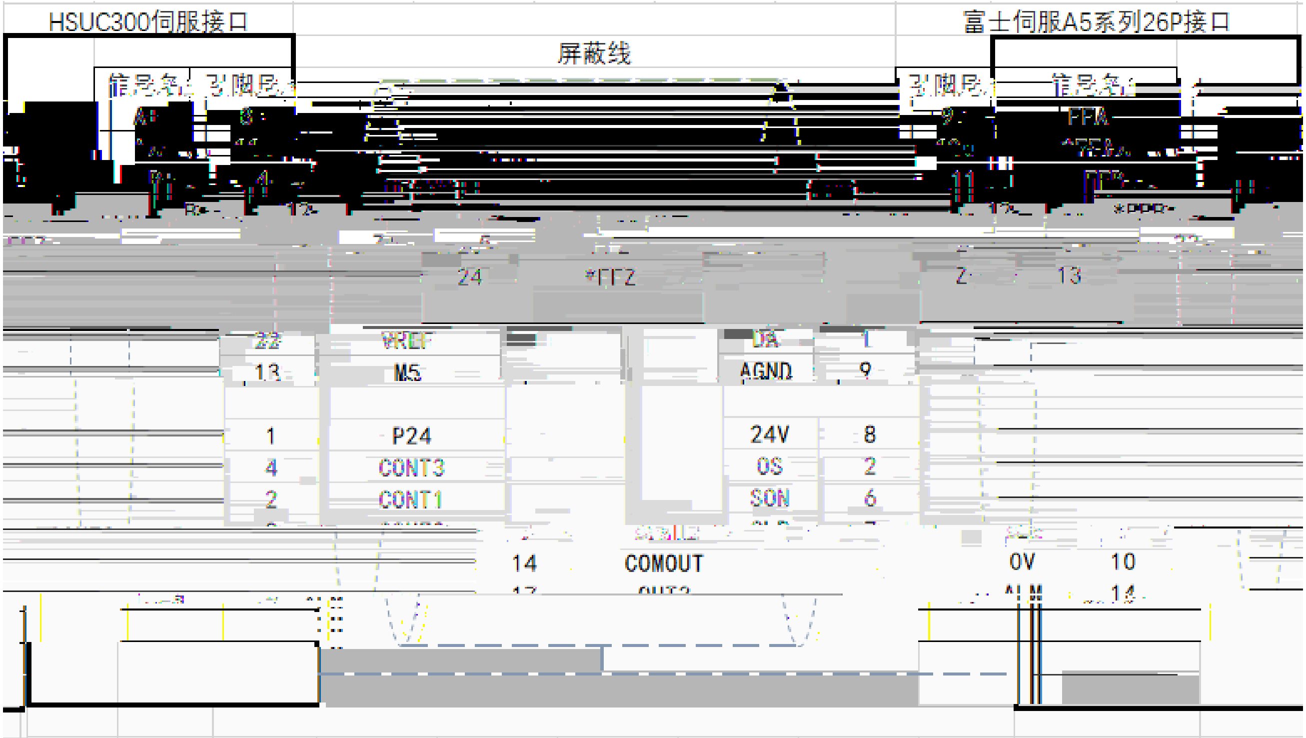
ə طي



Lexium23D ə ĭ ĭ Й ‘

ĭ ج	ų	ɋ ʁ
	101	ə IN1 ч SON ˇ
	0	Ь ą IN2
	0	Ь ą IN4~IN8
	400	Ӟ 40.0RPM ̃ β ų
	2	Ќ ч
	5000	ق،‘؛ 500r/v/min
	2500	ق،‘؛ ‖ 10000

ə ↓ طي



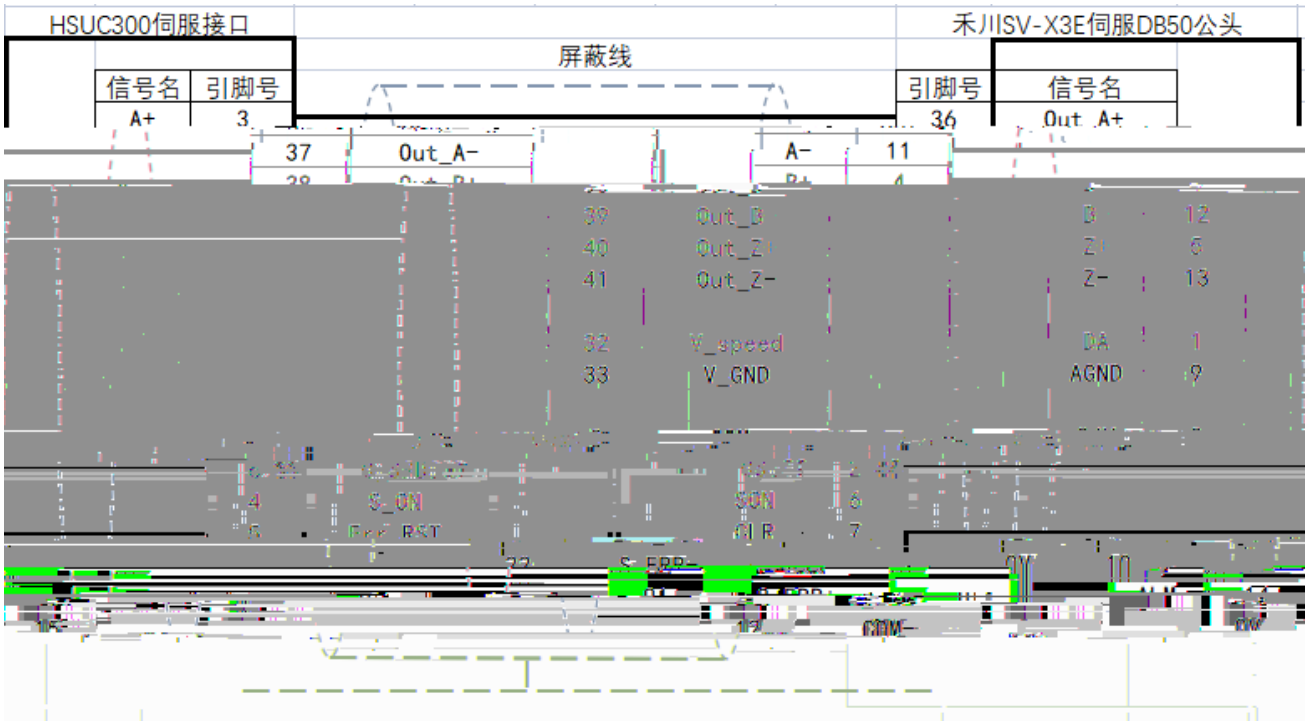
ALPHA5 ↓ ə ĩ ĩ Й ̒

ĩ نجی	ү	ɋ ꞓ
	01	L
	2500	‌ﻬﺞ‌;ّ ‖ 10000
	17	↨
	02	פּ
	6.0	ﻬﺞ‌;ّ 500r/v/min

ə طي

IS620P ↓ ə ĭ ĭ Й ʻ

ĭ نجى	ɣ	ɋ ɻ
	0	L ˘ ч
	1	DI5ˇ ʻ ə ą
	0	DI5 ʻ ɣ
	12	DI16ˇ ʻ β نھ ˇ ą
	0	DI16 ʻ ɣ
	5000	ɒ ɣˇ ڃ 500r/v/min
	1	h ɒ A ʻ AI1
	0	ɒ ʻ h ɒ A
	5000	β نھ ɣ



SV-X3E

	1	
	17	
	1	SPR AI1
	1	
	12	DI3
	-1000	-10V
	1000	10V
	5000	500r/v/min

ə ᵢ ᵹ ĭ Ƶ̆ Δ ą QC300 Й ˋ

ĭ̈

QC300

Ḥ

r ƀ ضسح هج Ϫ ψ ̆ ǖ

1. ضسح ` r ȉ ז r ’

2. ف ̆ ` Ꮁ ’

3. Ӌ ̆ ضسح ƀ هج ` ̆ ̆

هج Ϫ ` خي Â

Ӌ β

⌠ Z β Ӌ β D هج Ḥ ̆ ψ Â ƀ Ꮁ

̆ D هج β Â w̄ ̆

1. β D هج ` ƀ r ’

2. β D هج ƀ ’

3. ȉ Ţ ľ β ~ Ŀ ` Â

ə

’ Ӌ̆ هج Ŧ ̆ ψ ə Â هج ̆

̆ ↕ ˥ Ӌ ’

1. ə نجى ’

2. ə هج ƀ ’

3. Â

هج ̆ هج ȉ ` ̆ ` ̆ Ϫ

هج Ł Â

⌠ β Ϫ̆ خي Ţ̆ ضسح ƀ ǖ δ Đ̆ ჳ

Ṿ̆ Ғ Ϫ̆ ψ Â ˥

Ṿ̆ Â

4.1.5 هج

QC300 ꟷ ﳓ └ ҷ ˘ פֿ Ⴎ ƚ
ﳓ ἶ Ⴎ ẅ ˘ ` ↕ ᴪ ﳓ Â Ŧ ﳓ ˘ ḱ ə
ꟷ ﳓ ﳓ Ⴎ Â

№

ꟷ ڤ

1. ἵ

ꟷ ˇ ˗ ` ᴪ ڤ ᵞ ˘ ᆿ Â

2. ؤ ƀ ὓ

ؤ ɒ ᆿ ą ؤ ڤ 1 Â

3. Ӥ ƀ ὓ

Ӥ ɒ ᆿ ą Ӥ ڤ 1 Â

ƚ

1 ἵ Ƅ

Ꝃ ƚ Ƅ ᄀ ᴪ Â

2

ﺿﺴﺢ ﳓ Ꭓ ᆿ ᴪ Â

1 ῳ ᵝ Ƅ

Ţ˘ ᒐ ﺿﺴﺢ ẅ ﺿﺴﺢ ⌠ ﺸﻢ Ţ˘ ĸ ᵥ ┴ Ƅ
ᆿ ΰ ᵝ ˘ Ƅ ᆿ Ŧ ˘ ` ↕ ᴪ Â

2 ₀ ⌠

Ţ ꟷ ȁ ﺿﺴﺢ ƚ ἳ ᵎ ᵣ ȁ ꟷ ﳓ ᴪ
Â

ꟷ

1 ꟷ

ꟷ ᴪ ˘ ᆿ ᴪ ꟷ ẅ ꟷ ˘ ᆿ
ɣؤ ɒ Ӥ ɒ Â

2 ə ↨ Ƅ

ə ↨ Ь ך Ψ β Ь ‰ ΰ ˗ ˘ ə ↨ Ψ

˗ Â

3 ض سح ˗

ض سح Ạ ˘ TTA ỵ Ь ˘ ض سح ˗ ך Ψ

Â

4 ج‗ Ь

ج‗ Ь ˘ ὶ Ţ Ψ ˗ ˘ Ь ˗ ` Ł ˜ Â

ɢ ך Ψ ˘ ₹ مشم Â

ض سح

Ḥ‗ Ψ ʻ

1. ɣ ỵ Â
2. ɒ مشم ą ɒ Â
3. TTA ⱷ TTW ` ˘ Ь ṗ ص Ψ

Ḥ‗ ˘ ض سح ɒ Ţ ˘ ỵ Ь1

ı ˘ Ä Ḥ‗ Â

Ḃ⁚⁚

ỵ Â

ą

ɢ EtherCAT

ĩ Й

						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 ч β Â

2. (TX)8102H

1 16 bit

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

D L L β D0 Ω1(Ŕ)Δ D0 ч 1 Â

ч 0 G à Â

D1 à D2 à D3 à D4 №≠ ч

D8 ч C300 β L Â

D9 ч Â

D11 Ŧ β 1Â

D12 à D13 β Ŧ Â

D14 ч Â

D15 ч Ŧ Â

D ⓟ

D G Ŧ Â

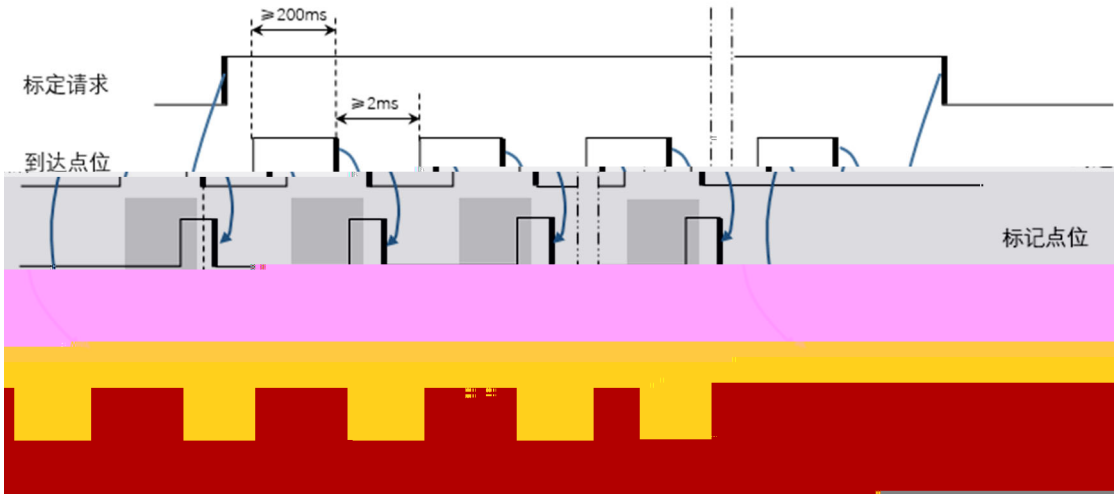
	I/O			
(CAL.REQUEST For ProCutter)		CAL	24V	
(STROBE For ProCutter)		V1.0:ULS V2.0:FOL	24V	

H	~		--	
H (TIP TOUCH For ProCutter)	₮	ALM	24V	

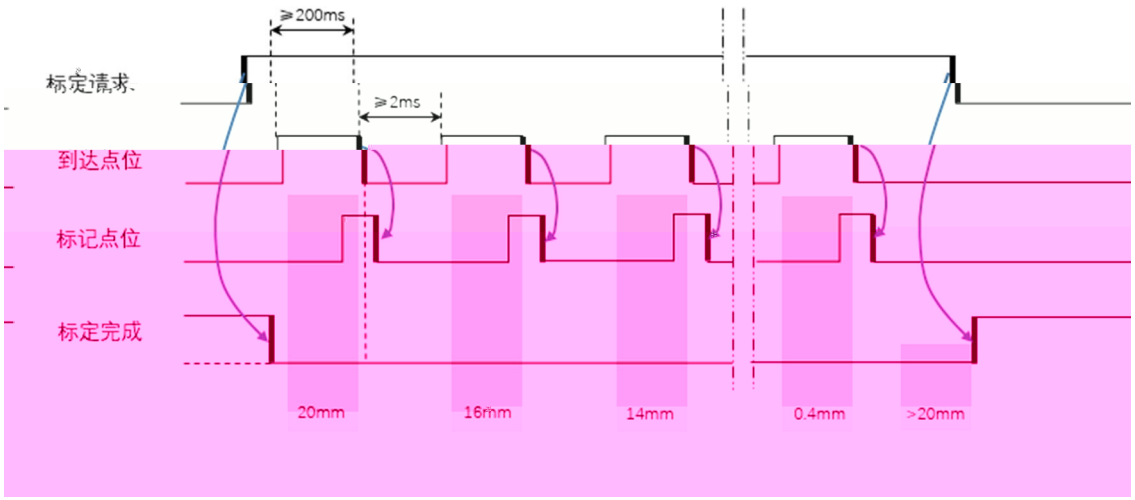
10mm	
1	10mm
2	8mm
3	7mm
4	6mm
5	5mm
6	4mm
7	3mm
8	2.5mm
9	2.0mm
10	1.8mm
11	1.5mm
12	1.2mm
13	1.0mm
14	0.7mm
15	0.5mm
16	0.2mm

20mm	
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



20



D

h

C300

						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
2001:07	Pid KD	PID	32	0.01		√	rw
2001:08	Pid Filter1	PID 1	32	0.01		√	rw
2001:09	Pid Filter2	PID 2	32	0.01		√	rw
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	Pulse		√	rw
8001:00	Ref Hight		32	0.01mm		√	rw
8002:00	FollowControlword		16			√	rw
8100:00	Real Capacity		32			√	ro
8101:00	Real Height		32	0.01mm		√	ro
8102:00	FollowStatusword		16			√	ro
8103:00	Z Position	Z	32	0.01mm		√	ro
6040:00	Axis Controlword		16			√	rw
6041:00	Axis Statusword		16			√	ro
6060:00	Axis Mode of Operation		16				rw
6061:00	Axis Mode of Operation Display		16				ro
6064:00	Position Actual Value		32			√	ro
606C:00	Velocity Actual Value		32			√	ro

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

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L ƀ ⁘ ɋ ǖ ⁄ ↕ ˘ ⌠ L β 0 ⌠ 1 1 Â

2. (TX)8102H

1 16 bit

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

β 1 Â

β