

l¬ nö l` '#A8 ^p

nöo³Hfi@ù.§

AMD CiA402 / /IO /

nöo³n÷WE a.ï

1.

2.

1

12PIN 1

1

;h/•

nöo3&øwZt4Ž

AMD ____ _ - _ D _ ___ - _____

1 2 3 4 5 6

nöoÊnµ:”XD6¼

)	1.0~8.1A	
	28~86	
	24~75Vdc	
L*W*H mm)	134*82*29	
	0.262kg	
	HCS_Studio.exe	

n÷o³nWEJû& Ž49"‘

2

n÷o³nWE)Ô*o*x

2



Cµ5º6Æ66E 2%%°0–Cµ5ºE 2%%°

FG FG

^ å^ z a"wC¨CµM† - zB0$êfs4v

CµM†E %z*

( )

nøoCµø= # Cµ5ºlo)ÐE ^^2%

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ESI

PC (RS485) HCS_Studio.exe 2000

1. STEPPER



COE PDO (1C12h/1C13h) PDO (1600h~1603h/1A00h~1A01h) PDO (
2/3) PDO

A EtherCAT SDO PDO

B PDO PDO 1C12-00h/1C13-00h 0

C PDO 1600h~1603h/1A00h~1A01h 0 0

D PDO 6.3 1600-01h~1600-08h 1601-01h~1601-08h 1602-01h~1602-
08h 1603-01h~1603-08h(1600h-01 RXPDO)

1A00-01h~1A00-08h 1A01-01h~1A01-08h(1A00h-01 TXPDO)

E PDO 1600-00h 1601-00h 1602-00h

1603-00h 1A00-00h 1A01-00h PDO 0

F PDO PDO RXPDO 1600h~1603h 1C12-
01h~1C12-04h TXPDO 1A00h 1A01h 1C13-01h 1C13-02h

G PDO 1C12-00h 1C13-00h H EtherCAT
PDO

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EtherCAT

Sync0

SYNC0 T1 SYNC0
SYNC0

nûo2ìø¶8¡-•E Z>*

6060h 6061h

1	Profle position mode	PP	
3	Profle velocity mode	PV	
6	Homing mode	HM	
8	Cyclic synchronous position mode	CSP	
9	Cyclic synchronous velocity mode	CSV	

nûo3ìÜ Ü8¡-• ‹E ñ"ŒZ>*

6-2 (6040h)

7 3~0 402 6-3

6-3 7 3~0

	0	×	1	1	0	0006h	2;6;8
	0	0	1	1	1	0007h	3*
	0	1	1	1	1	000Fh	3**
	0	×	×	0	×	0000h	7;9;10;12
	0	×	0	1	×	0002h	7;10;11
	0	0	1	1	1	0007h	5
	0	1	1	1	1	000Fh	4;16
		×	×	×	×	0080h	15

8 6~4 6-4

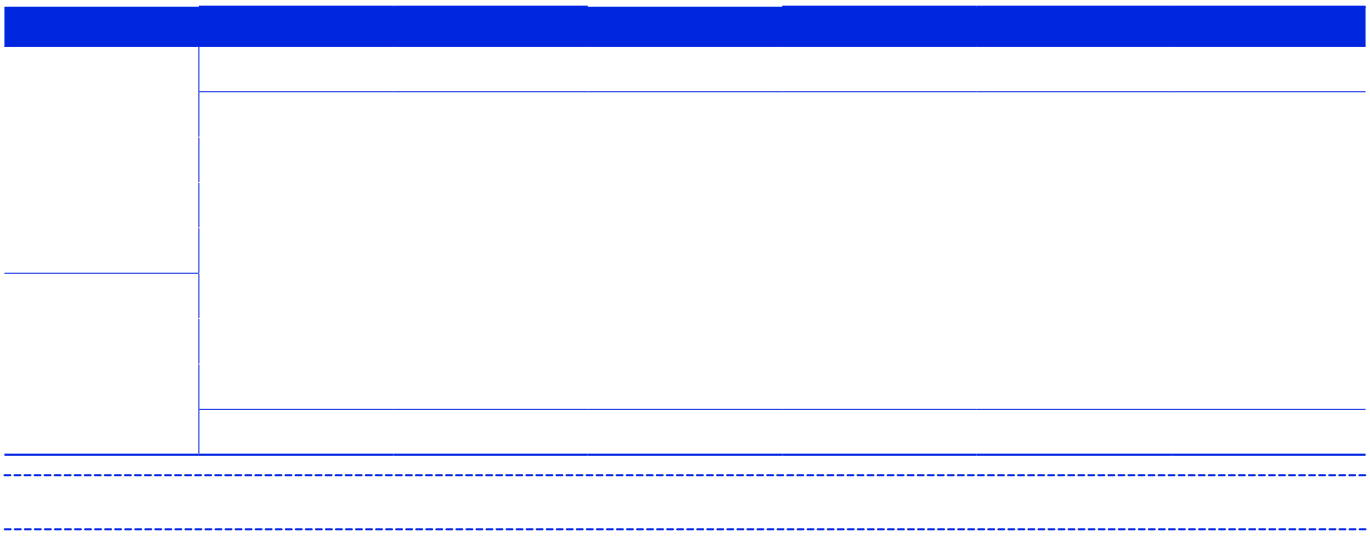
6-4 8 6~4

8					
6	/				
5					
4					

p p Ex ó"B3ð

( )

6-6 PP



A

B ( )

C ( )

p p Ex ó"B3ð

( )

6-10 HM

)

p ‰pA¤³ 8¡-•c™Zo ÍXf"Q5á v

13 6 14

6-14 HM

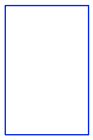
	HM
	2 7~10 23~26
	1 11~14 27~30
	3 4 19 20
Z /	33 34

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6040	0					

p €p!ø}2O^p

PV CSV PP CSP PV PV



PV (6041h) 15~12 10 8

6-16 PV 15~12 10 8

8( )	0	
	1	
10( )	0	
	1	
12(0)	0	0
	1	0 0 *1)

) Pç

—Pç

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DO

11		
12	2 0 2 1 2	
13	2 0 2 1 2	
14		2 0 DI5
15		2 DI 0 DI5 1 DI5

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1 DI

1 DI4 P02.03=5; 2 DI5 P02.04=6

P02.03	DI4 “5” 1
P02.04	

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nýo³ŋyZá)× øMS6

CiA402

0x0000~0xFFFF	
0x1000~0x1FFF	COE
0x2000~0x5FFF	
0x6000~0x9FFF	

2000	0x1010-02	0x65766173	2000
	0x1010-02	0x74736572	
6000	0x1010-01	0x65766173	6000
	0x1010-01	0x74736572	

nýo³ŋyZáMDnõ ‘nönõnõnõ †_Í €XH

0x1000	0		R	UINT32	0~32767	0X20192	cia
0x1001	0		R	USINT	0~255	0	
0x1008	0		R				
	1	ID	R	UINT32	0~0xFFFFFFFF		
	2		R	UINT32	0~0xFFFFFFFF	1	
	3		R	UINT32	0~0xFFFFFFFF	1	
	4		R	UINT32	0~0xFFFFFFFF	0	
0x10F1	0		R/W	UINT32	0~0xFFFFFFFF	65536	
	1		R/W	UINT32	0~0xFFFFFFFF	0	
0x1600	0		R/W	USINT	0~255	3	1
	01~08	RXPDO 1	R/W	UINT32	0~0xFFFFFFFF		1 RXPDO
0x1601	0		R/W	USINT	0~255	6	2
	01~08	RXPDO 2	R/W	UINT32	0~0xFFFFFFFF		2 RXPDO
0x1602	0		R/W	USINT	0~255	5	3
	01~08	RXPDO 3	R/W	UINT32	0~0xFFFFFFFF		3 RXPDO
0x1603	0		R/W	USINT	0~255	7	RXPDO
	01~08	RXPDO 4	R/W	UINT32	0~0xFFFFFFFF		4 RXPDO
0x1A00	0		R/W	ğ R/W	h	J	

0x1C12	0~4	RXPDO	R/W	UINT32	0~32767	1600	
0x1C13	0~2	TXPDO	R/W	UINT32	0~32767	1A00	
0x1C32	0~18	RXPDO	R	UINT	0~32767		
0x1C33	0~10	TXPDO	R	UINT	0~32767		

nýo³ŷ⁄ZáMDnõ ‘n÷nõnõnõ †_Í €XH

0x2000	0		R/W	UINT16	0~8100	1500	mA



0x606C	0		R	DINT	-2,147,483,648~2,147,483,647	0	P/S
—							

0x607A	0		R/W	DINT	-2,147,483,648~2,147,483,647	0	P
—							

0x60FF	0		R/W	DINT	-2,147,483,648~2,147,483,647	0	P/S
pv 3							

0x607C	0		R/W	DINT	-2,147,483,648~2,147,483,647	0	P
—							

0x6080	0		R/W	UDINT	0~4,294,967,295	833333	—
—							

0x6081	0		R/W	UDINT	0~4,294,967,295	0	—
—							

0x609A	0		R/W	UDINT	0~4,294,967,295	833333	P/S^2

—

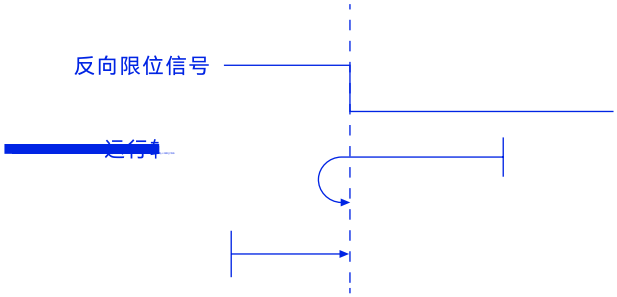
0x60B8	0		R/W	Uint16	0~65535	0	—

0x60B9	0		RO	U	0~65535	0	—

0x60BA	0	1					

l¬ nþ l` %^" 49-•

%^" 49-•nönüoâ e"M"'dÐ Í a"w%^" p nûnõnþný p nönüp

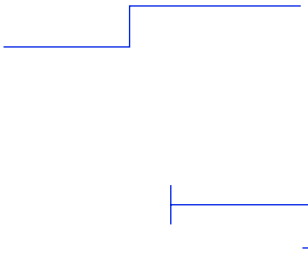




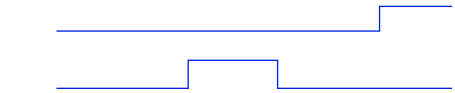
A:

B:

%^" 49-•n÷n÷oâ e" ?9 a"w%^" p nûnõnþný p n÷n÷p



%^" 49-•n÷nùoâ e" ?9 a"w# 9ã"'dĐ Í a"w %^" p nûnõnþný p n÷nùp





%^" 49-•n÷nûoâ e" ?9 a"w# 9ã"‘dĐ Í a"w %^" p nûnõnþný p n÷nûp





I¬ nönõ I3Åe '„B†

