# AMD530B

# l¬ nö l`  '#A8 ^p

## nöo³Hfi#ôA@ù.§

AMD CiA402 / /IO /

## nöo³n÷WE a.ï

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## nöo3&øwZt4Ž

AMD ____ _ - _ D _ ___ - _____

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## nöoƏnµ:”XD6¼

| | AMD B- D | |
|---|---|---|
| ) | 1.0~8.1A | |
| | 28~86 | |
| | 24~75Vdc | |
| L*W*H mm) | 134*82*29 | |
| | 0.262kg | |
| | | |
| | | |
| | | |
| | HCS_Studio.exe | |
| | | |
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^ å^ z a"wC¨CµM† - zB0$êfs4v

CµM†E %z*

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ESI

PC (RS485) HCS_Studio.exe 2000

1. STEPPER

### núo³nûe³Ø¾ød !(.•4 *„

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

### núo³nûe³Ø¾ûd !(.•4 *„^GH‹

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

## núo³¾ŒE9å8¡-•

### núo³nuPøjCuÉ^PVÌ8¡-•

### núo³nüÞ¡ƒ4vc "Œ9å8¡-•

EtherCAT

Sync0

SYNC0 T1 SYNC0
SYNC0

## nûo2nø|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 | |

## nûo3N Ü8¡-• ‹E ñ"ŒZ>*

### nûo³nù2³ñ)×p nûnõnùnõ p

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

| | | | | | |
|---|---|---|---|---|---|
| | (PP) | (Pç) | (CSç) | (HM) | (CSP) |
| 8 | | | | | |
| 6 | / | | | | |
| 5 | | | | | |
| 4 | | | | | |

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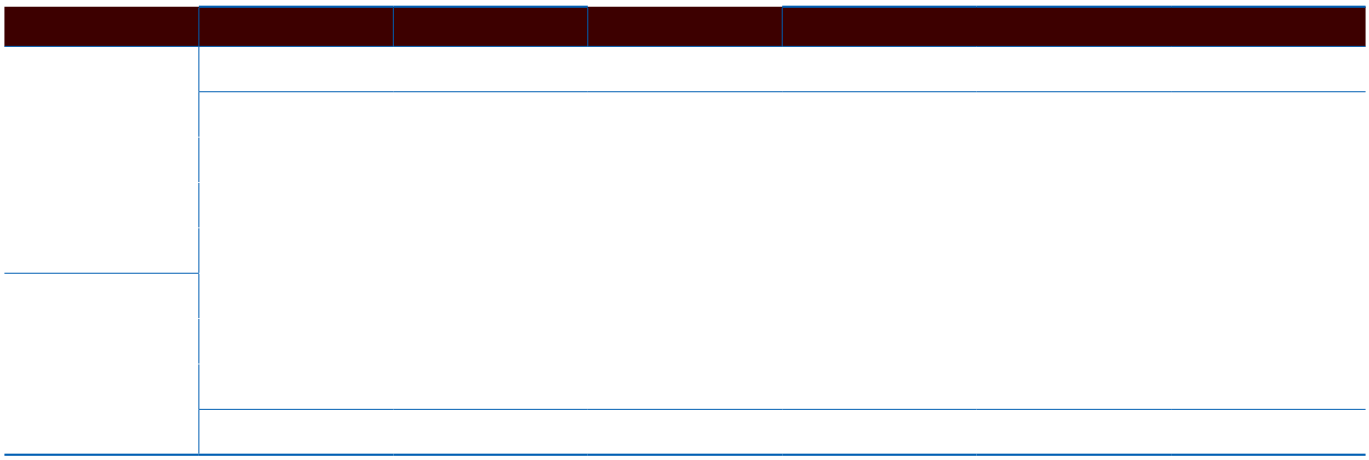
6-6 PP



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6-10 HM

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13 6 14

6-14 HM

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

## nûo³ŸÜ+&2' ¶8¡-•p ~ ©p

### nûo³nûöÜ³nöö2' ¶ ñ^š! O}

| | | | | PDO | | |
|---|---|---|---|---|---|---|
| | | | | | CSç | Pç |
| 6040 | 0 | | | | | |
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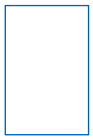
## nûo³nÛ[ôSÑ-Ÿ-&8¡-•

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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|---|---|---|
| 11 | | |
| 12 | 2<br>0 2<br>1 2 | |
| 13 | 2<br>0 2<br>1 2 | |
| 14 | | 2<br>0 DI5 |
| 15 | | 2 DI<br>0 DI5 1 DI5 |

¾ ( Õ ÿC¨2"c ! O}oä9åi$( ‹oâ

1 DI

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

| | |
|---|---|
| P02.03 | DI4 “5” 1 |
| P02.04 | |
| | |
| | |

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## nýo³nyZá)× 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 | |

## nýo³nyZáMDnõ ‘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 | |
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|---|---|---|---|---|---|---|---|
| 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 | | |

## nýo³ŷyƵáMDnõ ‘n÷nõnõnõ †_Í €XH

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

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|---|---|---|---|---|---|---|---|
| 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 | — |
| — | | | | | | | |

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

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

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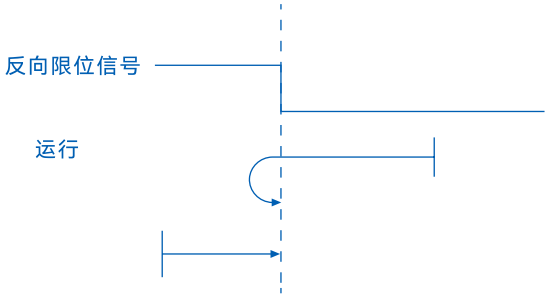
|---|---|---|---|---|---|---|---|
| 0x60B8 | 0 | | R/W | Uint16 | 0~65535 | 0 | — |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0x60B9 | 0 | | RO | U | 0~65535 | 0 | — |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0x60BA | 0 | 1 | | | | | |

# l¬ nþ l` %^" 49-•

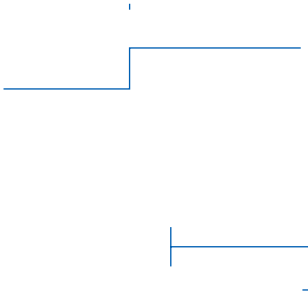
%^" 49-•nönüoâ e"M"‘dĐ Í a"w%^" p nûnõnþný  p nönüp



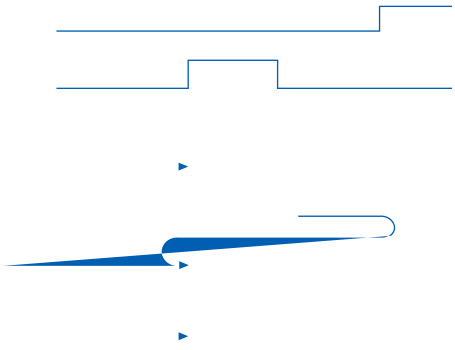
A:

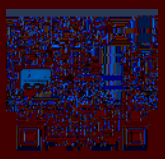
B:

%^" 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†