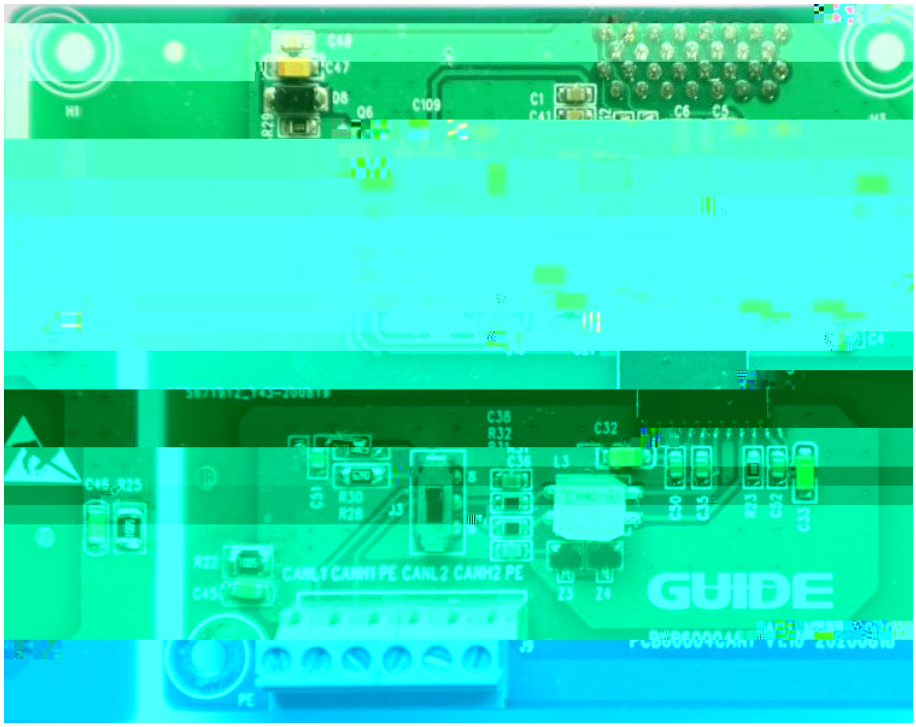
# CANOpen

# GDHF-CA02




Wuhan Guide Technology Co.,Ltd.

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CANOpen ..... 11

.....12

.....12

.....12

CANOpen ..... 12

.....15

.....15

CANOpen .....15

COB-ID .....15

Canopen ..... 16

.....21

LED ..... 21

.....22

CANOpen

GDHF-CA02

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CANOpen GDHF-CA02

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GDHF-CA02

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GDHF-CA02

GDHF-CA02

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GDHF-CA02

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GDHF-CA02 LED

CANOpen

CANOpen

# CANOpen

CANOpen CAN CANOpen

GDHF-CA02 CANOpen

CAN Controller Area Network

1 ISO11898-2 2

ISO11898-1

Software

Firmware

CAN

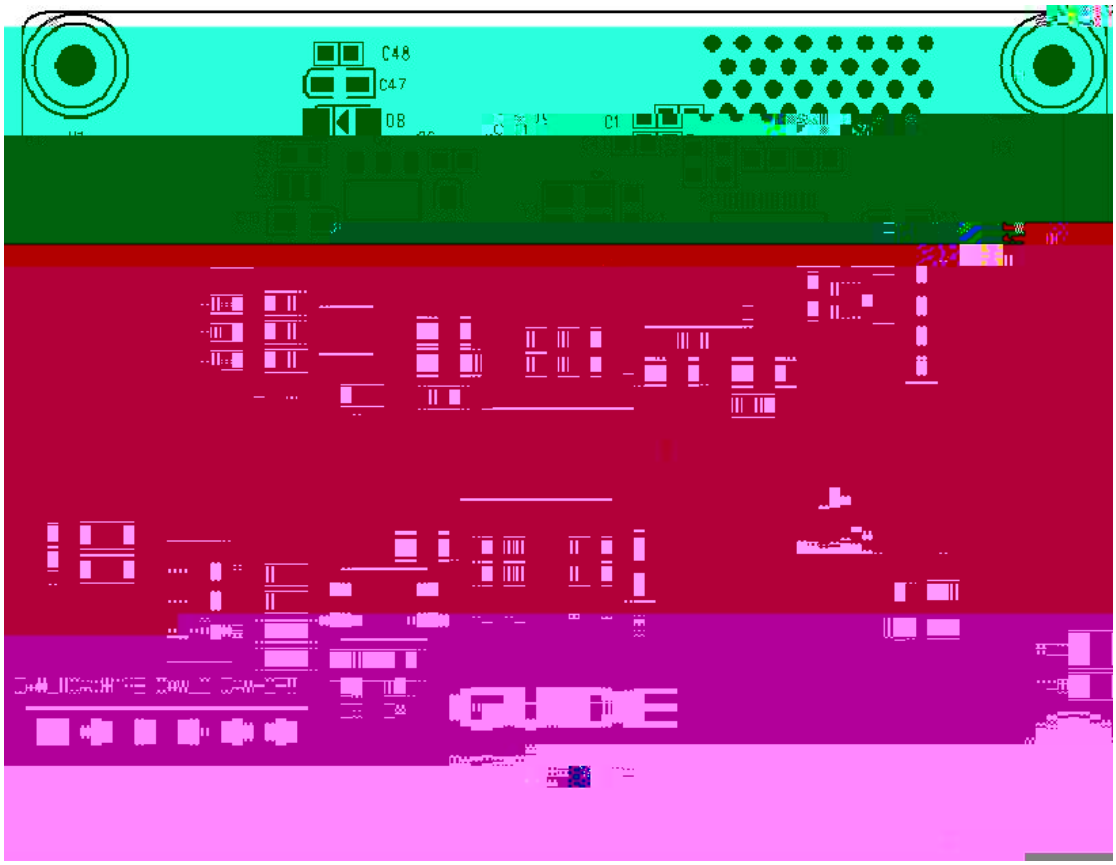
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# GDHF-CA02




1 GDHF-CA02

CANOpen GDHF-CA02

CANOpen CANOpen

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CANOpen GDHF-CA02

J14

CANOpen GDHF-CA02

- HF600
- CANOpen

CANOpen GDHF-CA02

- CANOpen GDHF-CA02
- 2 M3X8
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GDHF-CA02 2 J14

GDHF-CA02 PC

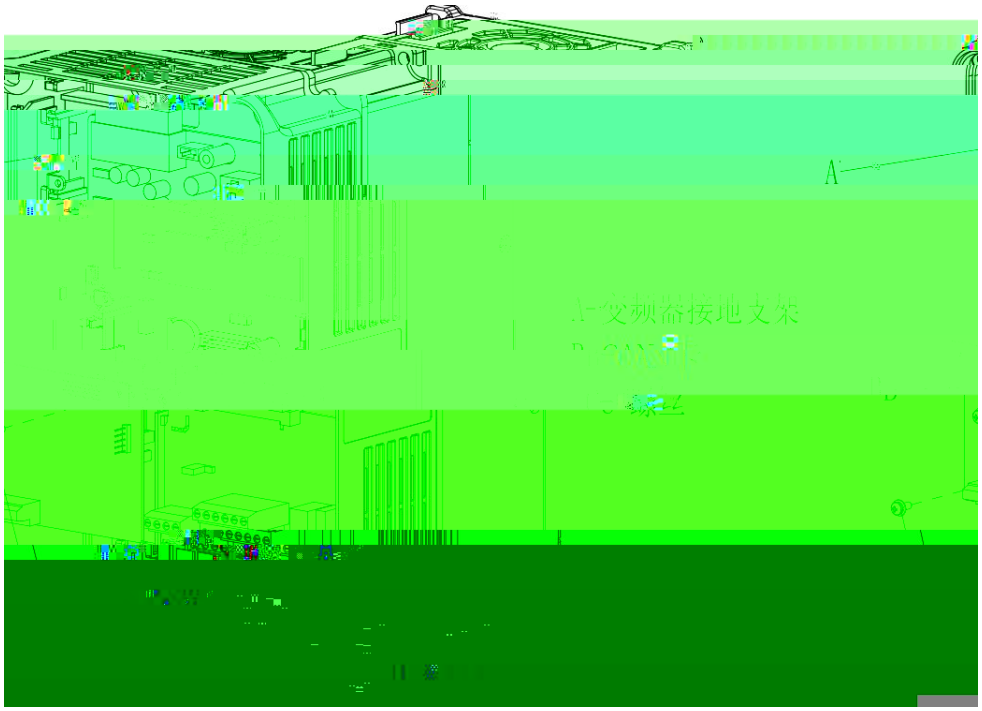
GDHF-CA02

- GDHF-CA02 PC

  &
- 2 M3X8 GDHF-CA02 PC
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EMC GDHF-CA02

CAN




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- CANOpen

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# CANOpen

GDHF-CA02 J9 CAN1 CAN2

| | |
|---|---|
| CANH1 | CAN 1 CAN_H |
| CANL1 | CAN 1 CAN_L |
| PE | |
| CANH2 | CAN 2 CAN_H |
| CANL2 | CAN 2 CAN_L |
| PE | |

A

B

CANOpen 5E

TIA/EIA-568-B

CANOpen

CANOpen GDHF-CA02

CANOpen

GDHF-CA02

(EDS)

http://www.guide-electric.com EDS

GD_CanOpenCard.eds

## CANOpen

GDHF-CA02

CANOpen

1 CANOpen

| | | | | |
|---|---|---|---|---|
| P31.0 | CAN | [0]<br>[1] | 0 1 | 0 |
| P31.1 | CANopen<br>ID | CANopen ID | 1 127 | 0 |
| P31.2 | | CAN | | |
| P31.3 | CAN | | 0 60 | 0 |
| P31.4 | CAN | | | |

1. CANOpen

[0] CANOpen

[1] CANOpen

2. CANopen ID

CANOpen ID

3.

CAN 20Kbps ~

1000Kbps

4. CAN

0

5. CAN

4

CANOpen

# CANOpen

CANOpen GDHF-CA02

CANOpen

# COB-ID

Canopen

CAN ID

| COB-ID | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ID | | | | | | |
| 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |

| | ( ) | COB-ID( ) |
|---|---|---|
| NMT | 0 | 0x00 |
| SYNC | 1 | 0x80 |
| EMERGENCY | 1 | 0x81 ~ 0xFF |
| PDO1 TX | 11 | 0x181 ~ 0x1FF |
| PDO1 RX | 100 | 0x201 ~ 0x27F |
| PDO2 TX | 101 | 0x281 ~ 0x2FF |
| PDO2 RX | 110 | 0x301 ~ 0x37F |
| PDO3 TX | 111 | 0x381 ~ 0x3FF |
| PDO3 RX | 1000 | 0x401 ~ 0x47F |
| PDO4 TX | 1001 | 0x481 ~ 0x4FF |
| PDO4 RX | 1010 | 0x501 ~ 0x57F |
| SDO TX | 1011 | 0x581 ~ 0x5FF |
| SDO RX | 1100 | 0x601 ~ 0x67F |
| | 1110 | 0x701 ~ 0x77F |

| Hex | | | | |
|---|---|---|---|---|
| 1000 | 0 | RO | UNSIGNED32 | 0x0000 0000 |
| 1001 | 0 | RO | UNSIGNED8 | |
| 1003 | 0 | RW | UNSIGNED32 | |
| | 1 | | | |

| | | | | | |
|---|---|---|---|---|---|
| | 1 | COB-ID | RW | UNSIGNED32 | NodeID+0x500 |
| | 2 | | RW | UNSIGNED8 | 254 |
| | 3 | inhibit time | RW | UNSIGNED16 | 100 |
| | 5 | Eventtimer | RW | UNSIGNED16 | 0 |
| | | PDO1 RX | | | |
| | 0 | | RO | UNSIGNED8 | 4 |
| 1600 | 1 | | RO | UNSIGNED32 | |
| | 2 | | RO | UNSIGNED32 | |
| | 3 | | RO | UNSIGNED32 | |
| | 4 | | RO | UNSIGNED32 | |
| | | PDO2 RX | | | |
| | 0 | | RO | UNSIGNED8 | 4 |
| 1601 | 1 | | RO | UNSIGNED32 | |
| | 2 | | RO | UNSIGNED32 | |
| | 3 | | RO | UNSIGNED32 | |
| | 4 | | RO | UNSIGNED32 | |
| | | PDO3 RX | | | |
| | 0 | | RO | UNSIGNED8 | 4 |
| 1602 | 1 | | RO | UNSIGNED32 | |
| | 2 | | RO | UNSIGNED32 | |
| | 3 | | RO | UNSIGNED32 | |
| | 4 | | RO | UNSIGNED32 | |
| | | PDO4 RX | | | |
| | 0 | | RO | UNSIGNED8 | 4 |
| 1603 | 1 | | RO | UNSIGNED32 | |
| | 2 | | RO | UNSIGNED32 | |
| | 3 | | RO | UNSIGNED32 | |
| | 4 | | RO | UNSIGNED32 | |
| | | PDO1 TX | | | |
| | 0 | | RO | UNSIGNED8 | 5 |
| | 1 | COB-ID | RW | UNSIGNED32 | NodeID+0x180 |
| 1800 | 2 | | RW | UNSIGNED8 | 254 |
| | 3 | inhibit time | RW | UNSIGNED16 | 100 |
| | 5 | Eventtimer | RW | UNSIGNED16 | 0 |
| | 6 | SYNC start value | RW | UNSIGNED8 | 1 |
| | | PDO2 TX | | | |
| | 0 | | RO | UNSIGNED8 | 5 |
| | 1 | COB-ID | RW | UNSIGNED32 | NodeID+0x280 |
| 1801 | 2 | | RW | UNSIGNED8 | 254 |
| | 3 | inhibit time | RW | UNSIGNED16 | 100 |
| | 5 | Eventtimer | RW | UNSIGNED16 | 0 |
| | 6 | SYNC start value | RW | UNSIGNED8 | |

| | | | | | |
|---|---|---|---|---|---|
| | | PDO3 TX | | | |
| | 0 | | RO | UNSIGNED8 | 5 |
| | 1 | COB-ID | RW | UNSIGNED32 | NodeID+0x380 |
| 1802 | 2 | | RW | UNSIGNED8 | 254 |
| | 3 | inhibit time | RW | UNSIGNED16 | 100 |
| | 5 | Eventtimer | RW | UNSIGNED16 | 0 |
| | 6 | SYNC start value | RW | UNSIGNED8 | 1 |
| | | PDO4 TX | | | |
| | 0 | | RO | UNSIGNED8 | 5 |
| | 1 | | | | |
| 1803 | | | | | |

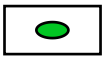
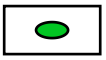
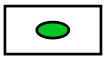
| MODBUS | |
|---|---|
| register_0 | ×1 |

| | | | | |
|---|---|---|---|---|
| register_34 | | ×10 | R | |
| register_35 | _ @ | ×10 | R | |
| register_36 | (AFE) | ×10 | R | _ |
| register_37 | (AFE) | ×100 | R | |
| register_38 | | ×1 | R | N/A |
| register_39 | | ×1 | R | N/A |
| register_40 | | ×1 | R | N/A |
| register_41 | | ×10 | R | |
| register_42 | T1 | ×10 | R | |
| register_43 | T2 | ×10 | R | |
| register_44 | | ×1 | R | N/A |
| register_45 | @ ă Ů | | | |

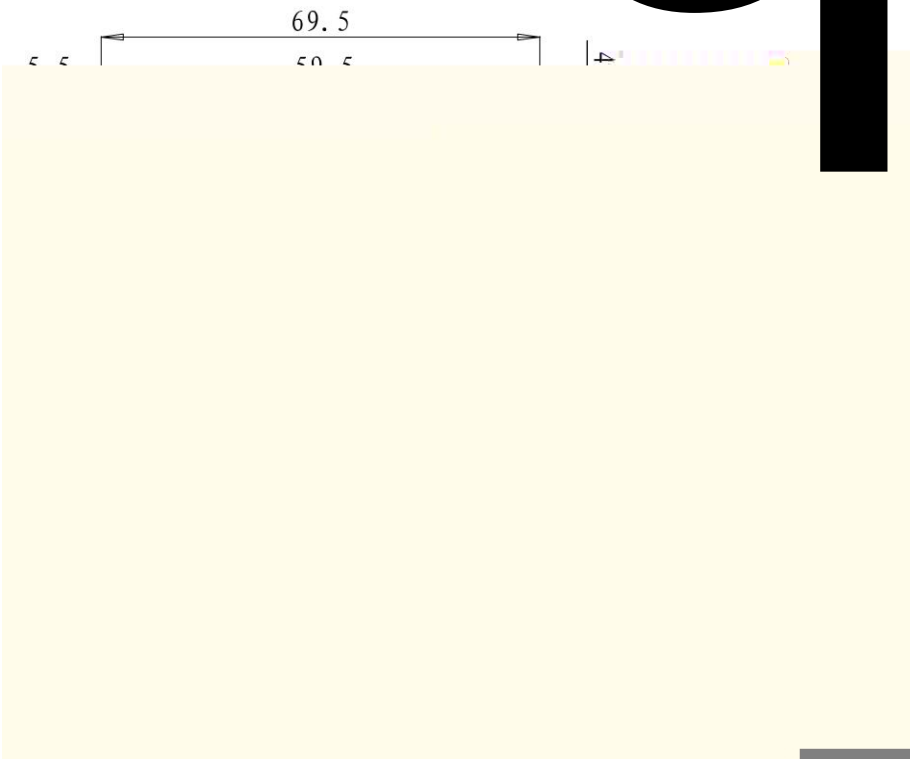
# LED

GDHF-CA02 3 LED LED

LED

| LED | | |
|---|---|---|
|  |  |  |
| RUN | RX | TX |

| | | |
|---|---|---|
| RUN | | 10Hz<br>1Hz |
| RX | | |
| TX | | |




1 GDHF-CA02 mm