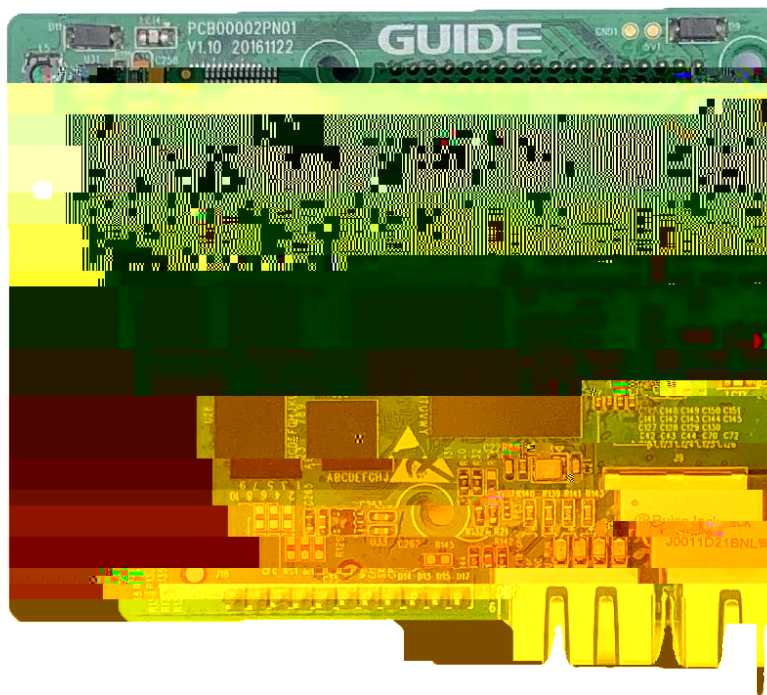


GUIDE

DFC: =B9H

; 8<: ! DB\$%



Ki \Ub ; i] XY HYW\bc` c[m 7c" Yi K

PROFI NET	11
.....	13
.....	13
.....	13
PROFI NET	13
.....	17
.....	17
PROFI NET	17
PPO	17
.....	18
.....	20
.....	20
.....	24
.....	25
.....	26
LED	26
.....	28
PROFI NET	28
.....	30
PROFI NET	31



PROFI NET

GDHF - PN01

!



GDHF - PNO1

PROFI NET

GDHF - PNO1

PROFI NET

GDHF - PNO1

LED

PROFI NET



PROFI NET

PROFI NET

PROFI NET PROFIBUS PROFIBUS
 International PI

PROFI NET GDHF - PNO1

PROFI NET

PROFI NET

TCP/IP
 PROFIBUS TCP/IP IT
 TCP/IP IT

100 ms

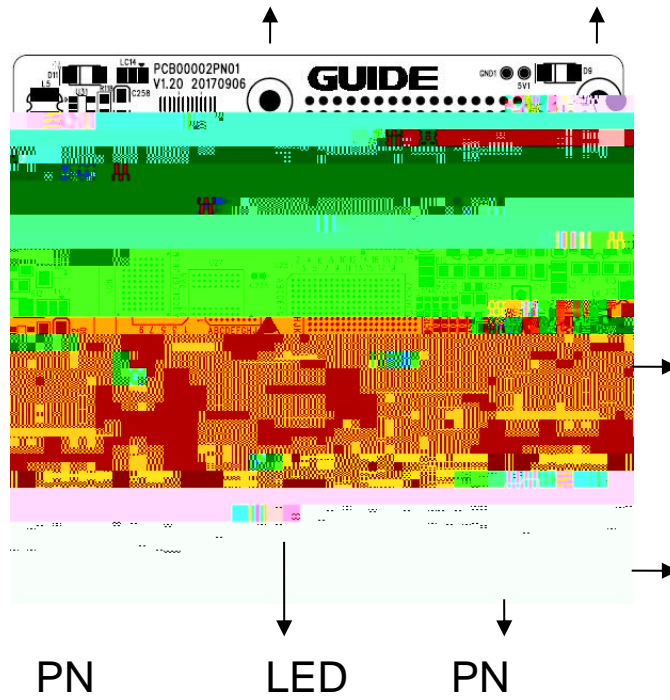
RT

5 10ms

PROFIBUS DP

TCP/I P

GDHF - PN01



1 GDHF - PN01

PROFI NET

GDHF - PN01

HF500

PROFI NET

W PROFI NET

PROFI NET

GDHF - PN01

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-
-



-

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PROFI NET

GDHF - PNO1

J21

PROFI NET

GDHF - PNO1

- HF500

- PROFi NET V2.31

PROFI NET

GDHF - PNO1

- PROFi NET

GDHF - PNO1

- PC

-

-

!

5

PC

GDHF - PNO1

PC

J21

GDHF - PNO1

PC

PC

GDHF - PNO1

• PC

• GDHF - PNO1

PC

• PC

GDHF - PNO1

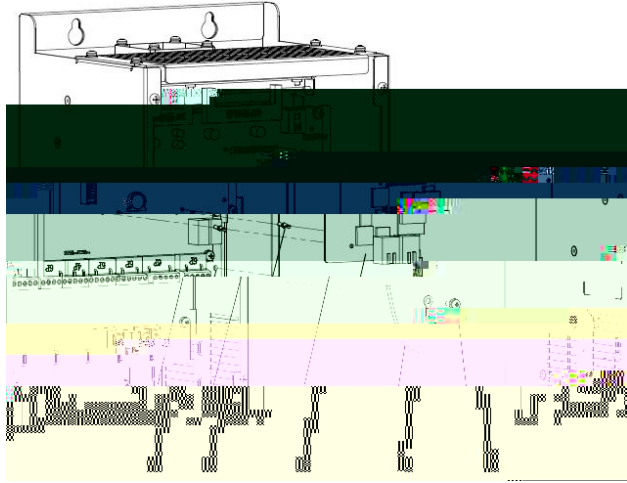
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EMC

GDHF - PNO1

GDHF - PNO1

RJ 45

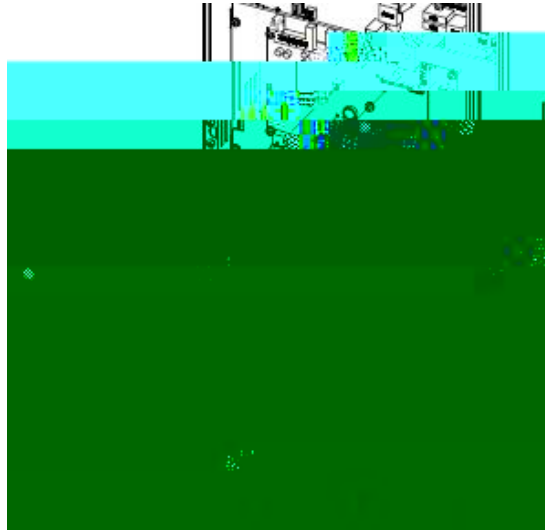


- A—
- B—PC
- C—
- D—
- E—

2

37kW

- A—
- B—
- C—
- D—PC
- E—



3

37kW

•

•

PROFI NET

5

PROFI NET

GDHF - PNO1

J9, J1-0





1 PROFINET

P33. 46	[W0]	[0] × 1 [1] × 10 [2] × 100 [3] × 1000 [4] × 10000 [5] [%d] × 1 [6] [%d] × 10 [7] [%d] × 100	0 4	0
...

1. PROFIBUS

[0] PROFIBUS

[1] PROFIBUS

2. PROFIBUS

PPO Parameter/Process Data Objects, /

PROFIBUS PPO

2 PPO

PPPO5

3.

HF500

4.

PLC

5.

HF500

6. m



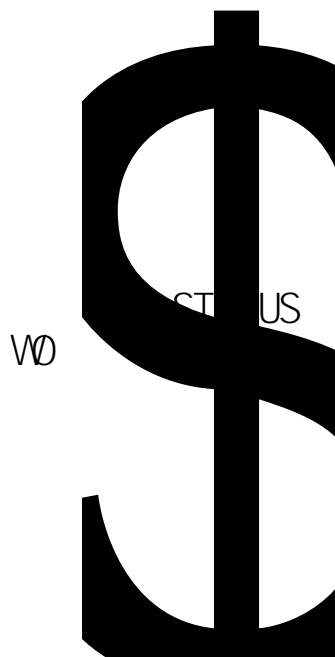
PLC

2

W0	PA_CTRL	bit		
		0	PA_ENABLE	' 0' ' 1'
		1	WRITE	' 0' ' 1'
		2	SAVE_to_FLASH	' 0' ' 1' FLASH
		3 ~ 15	Reserved	
W1	Address	byte	[15. . 08]	[07. . 00]
		Data		
W2	0			0
WB	Data			16

PLC

3



CW0. 11	Torque_Limit_Ctrl	' 0' ' 1'	PROFINET
CW0. 12	MOTION_CTRL	' 00'	1
CW0. 13		' 01'	2
		' 10'	3
		' 11'	4
CW0. 14	TORQUE_ZERO	' 0' ' 1'	
CW0. 15	FREE_RUNNING_STOP	' 0' ' 1'	

2

5

SW0. 0	READY	' 0	
		' 1'	
SW0. 1	RUN	' 0	
		' 1'	
SW0. 2	FAULT	' 0	
		' 1'	
SW0. 3	MOTOR BRAKE	' 0	
		' 1'	
SW0. 4	WARNING	' 0	
		' 1'	
SW0. 5	DIRECTION	' 0	
		' 1'	
SW0. 6	M_STEP0	' 0	1
		' 1'	1
SW0. 7	M_STEP1	' 0	2
		' 1'	2

SW0. 8	M_STEP2	' 0	3
		' 1'	3
SW0. 9	M_STEP3	' 0	4
		' 1'	4
SW0. 10	Reserved		
SW0. 11	Reserved		
SW0. 12	REMOTE/LOCAL	/'	
		' 0	
		' 1'	
SW0. 13	Reserved		
SW0. 14	MOTION SEL	' 00	1
		' 01'	2
SW0. 15		' 10	3
		' 11'	4

16

1

15

PROFI NET

PROFI NET

16

PROFI NET



CPU_RUN		PROFI NET PROFI NET
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PROFI NET

16

/

GSDML

XML

PROFI NET

GSDML

http: //

www gui de- el ectri c. com

GSDML

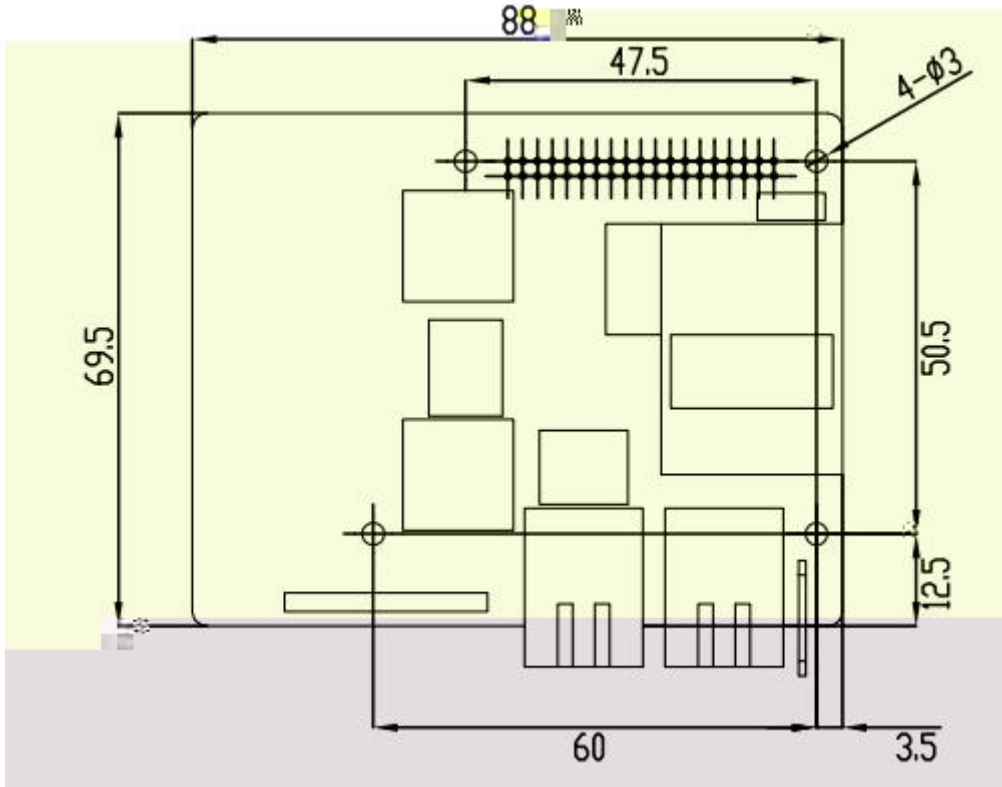
PROFI NET

/

PROFI NET

16

29



6 PROFIBUS DP connector mm

HF500

- PROFIBUS DP

-

PROFI NET

PROFI NET

5E

TI A/EI A- 568- B

	A PROFI NET	B DI N 19245 Part 1	
	135~165(3~20MHz)	100~130(f >100kHz)	W
	<30	<60	pF/m
	<110	--	/km
	>0. 64	>0. 53	mm
	>0. 34	>0. 22	mm ²

100

100Mbit/s

PROFI NET V2. 31

