..... 1

.....1

.....1

..... 2

.....2

.....2

.....2

..... 4

.....4

PROFINET 4

GDHF-PN02 6

.....7

.....7

.....7

..... 8

.....8

..... 10

.....10

.....10

PROFINET 10

..... 12

.....12

.....12

PROFINET 12

..... 17

.....17

PROFINET 17

PPO 17

.....18

.....20

.....20

.....24

.....24

..... 25

LED 25

..... 26

PROFINET 26

..... 28

PROFINET 29

PROFINET

GDHF-PN02

GDHF-PN02

PROFINET

GDHF-PN02

PROFINET

GDHF-PN02 LED

PROFINET

PROFINET

PROFINET

PROFINET PROFIBUS PROFIBUS International PI

PROFINET GDHF-PN02

PROFINET

PROFINET

TCP/IP

PROFINET TCP/IP IT TCP/IP IT

100 ms

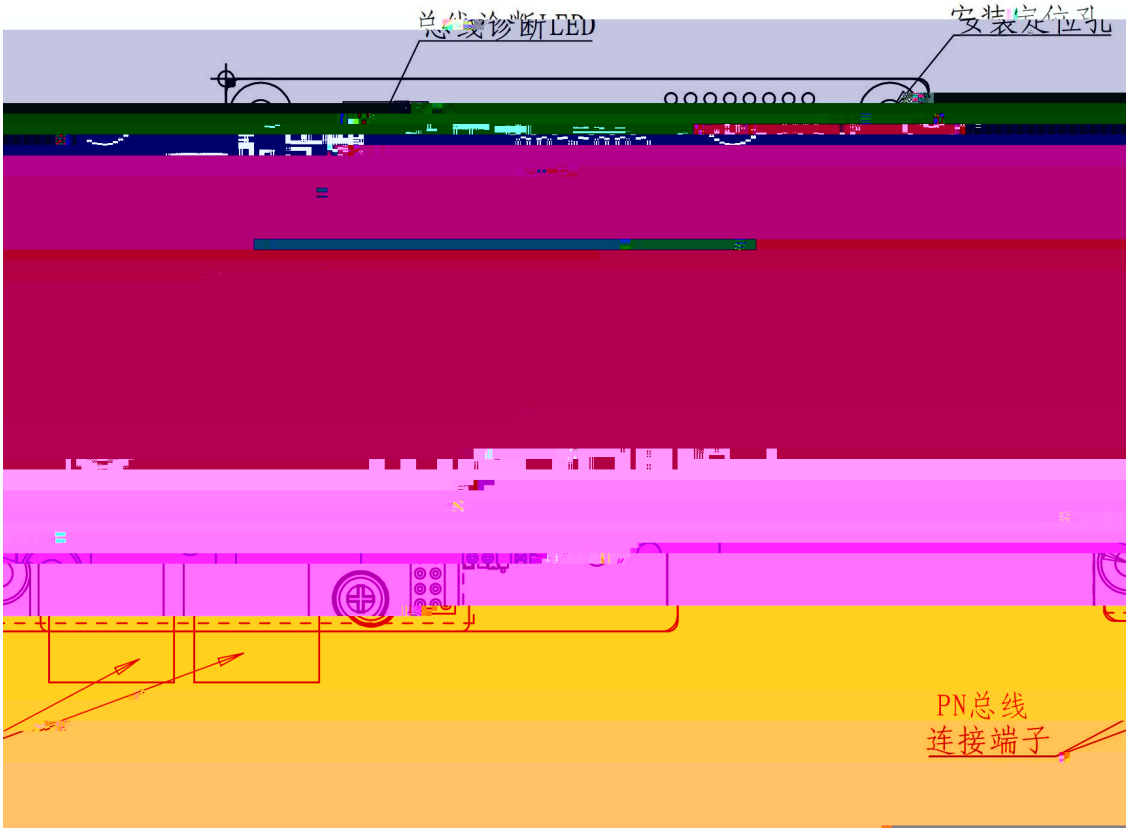
RT

5 10ms

PROFIBUS DP

TCP/IP

GDHF-PN02



Ð I R

! 5

GDHF-PN02 J14

H2 H4

- GDHF-PN02
- GDHF-PN02

EMC GDHF-PN02

GDHF-PN02 RJ45

-
- PROFINET

5

PROFINET

GDHF-PN02 J2 J3

A B

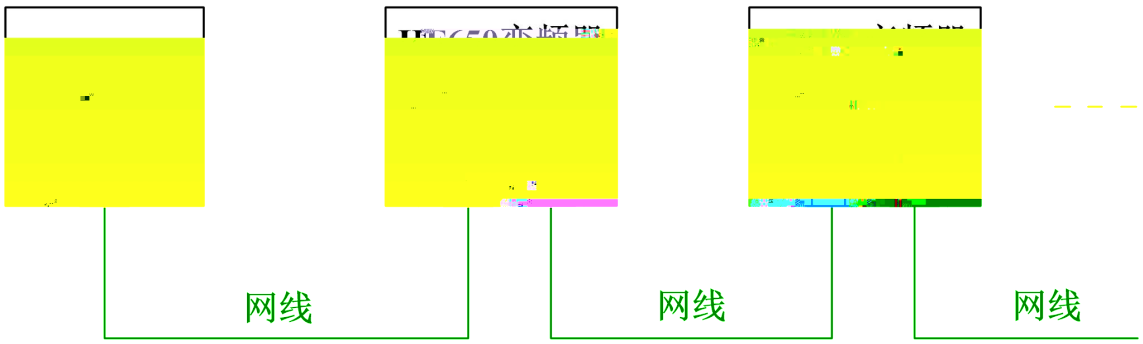
A	A
B	B

A B

PROFINET

5E

TIA/EIA-568-B



PROFINET

PROFINET

PROFINET GDHF-PN02

PROFINET

GDHF-PN02

(GSDML)

shfw@gdetec.com GSDML

GSDML-V2.31-GUIDE-PN.XML

PROFINET

GDHF-PN02

PROFINET

P33.0	[0] [1]	0	1	0

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

PROFINET

[0] PROFINET

[1] PROFINET

PROFINET

PPO Parameter/Process Data Objects, /

PROFINET PPO

2 PPO

PPP05

HF650

PLC

HF650

PLC

PROFINET GDHF-PN02

100Mb/s

1 PN

2 PN “_”

9. PN PLC

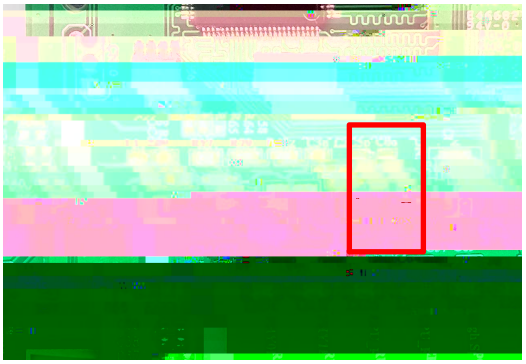
PN 5

2

P02.13	DP/PN	[0]PN	
		[1]DP	
		[2]OTHER	
P02.14	DP/PN	[0]DRAM	
		[1]SCI	SCI
		[2]SPI	SPI

PN

1.



PN SCI

2. PN P02.13 “[0]PN ” P02.14 “[1]SCI ”

PROFINET

PROFINET

PLC

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		
W3	Data	16		

PLC

W0	PA_STATUS	bit		
		0	Reserved	
		1	Reserved	
		2	SAVE_to_FLASH	‘0’ ‘1’ FLASH
		3	ILLEGAL_ADDRESS	‘0’ ‘1’
		4~15	Reserved	
W1	Address	byte	[15..08]	[07..00]
		Data		
W2	0	0		
W3	Data	16		

4

5

4 5

HF650

1

CW0.0	RUN	‘0’ ‘1’
CW0.1	RUN@REV	‘0’ ‘1’
CW0.2	AntiCrabOpen	‘0’ ‘1’

‘ 01 ’ F9 ,

2

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	1 ‘0’ 1 ‘1’ 1
SW0.7	M_STEP1	2 ‘0’ 2 ‘1’ 2
SW0.8	M_STEP2	3 ‘0’ 3 ‘1’ 3

SW0.9

PROFINET

16

/

GSDML XML

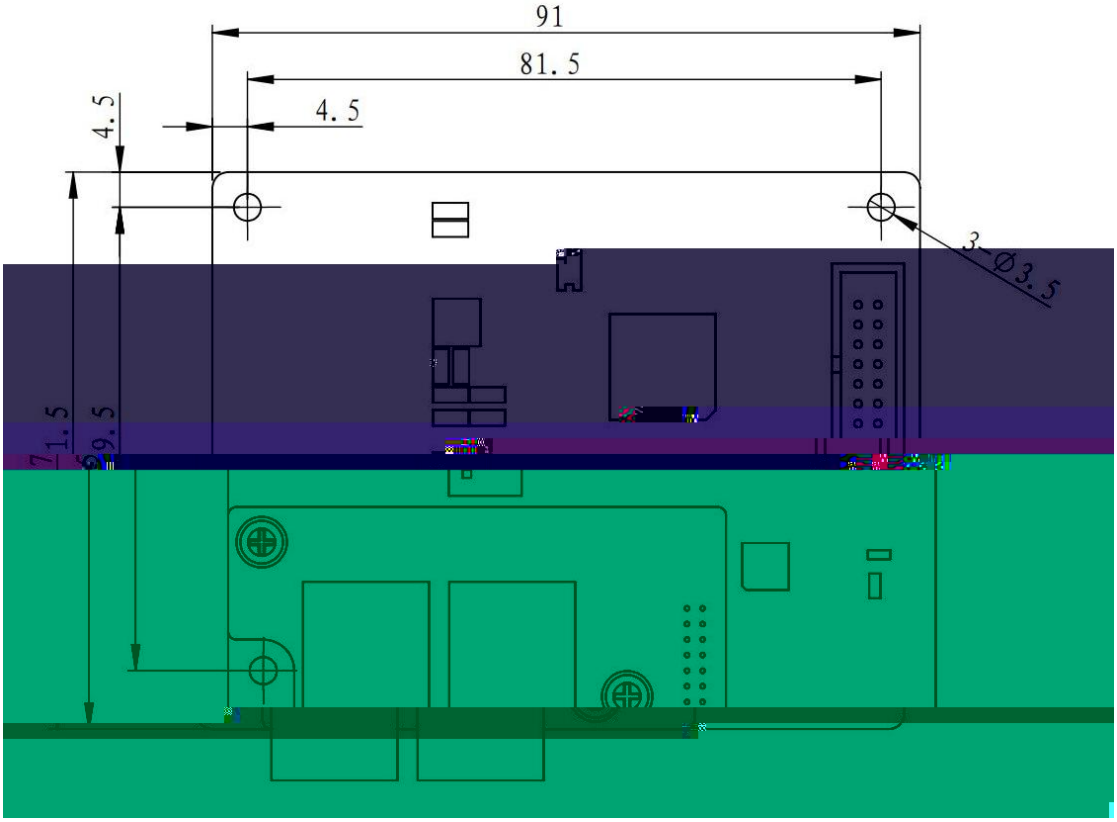
PROFINET

GSDML

shfw@gdetec.com

GSDML

www.-ūḥ̇ḥ̇ h ū خم



PROFINET mm

HF650

- PROFINET
-

PROFINET

PROFINET

5E TIA/EIA-568-B

A NT
PROFINET

Wuhan Guide Technology Co.,Ltd.

6

430223

86-027-87927230

shfw@gdetec.com

www.gdetec.com

400-0077-570

GDHF-PN02-DOC-UM-REV1.02

2025.03