

GUIDE

EtherCat

GDHF681N4EC01A



Wuhan Guide Technology Co.,Ltd.

EtherCat

EtherCat

EtherCat

EtherCat

PP0

LED

EtherCat

EtherCat

EtherCat

GDHF681N4EC01A

!

EtherCat

GDHF681N4EC01A

EtherCat

GDHF681N4EC01A

EtherCat

GDHF681N4EC01A

EtherCat

GDHF681N4EC01A

GDHF681N4EC01A

EtherCat

GDHF681N4EC01A

EtherCat

GDHF681N4EC01A

LED

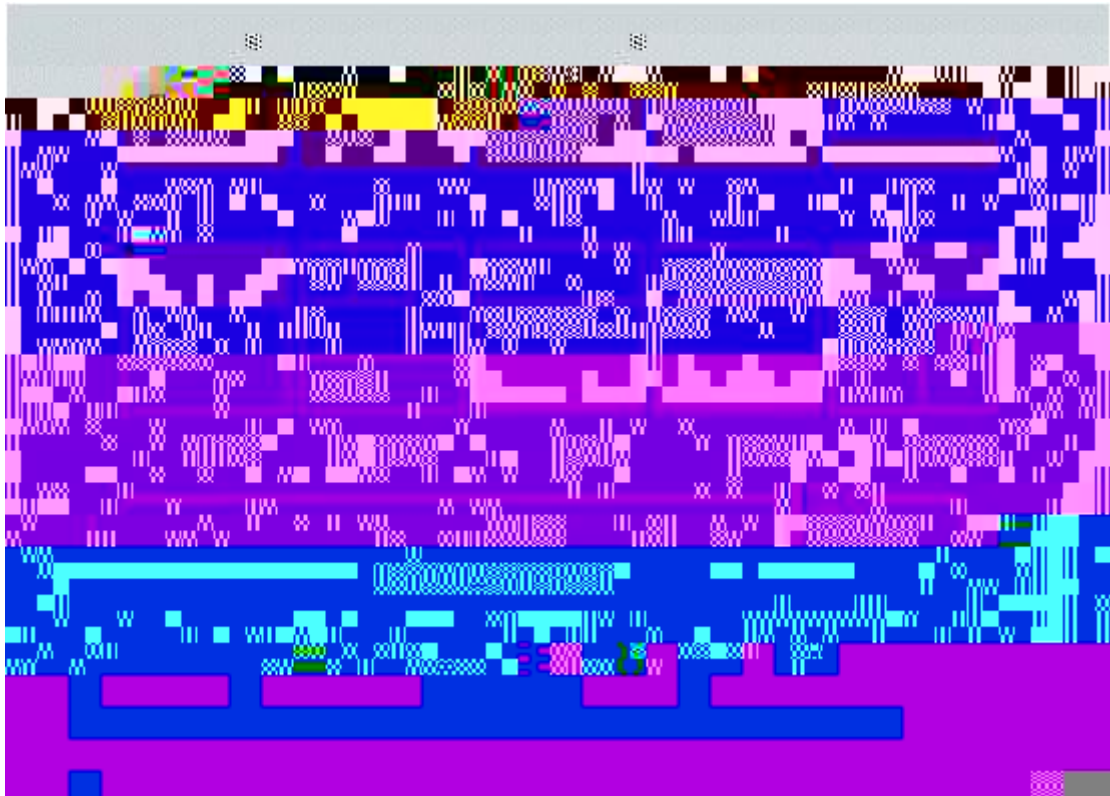
EtherCat

WW

WW

W

W



EtherCat

GDHF681N4EC01A

HF681N

EtherCat

EtherCat

EtherCat

GDHF681N4EC01A

•

Σ 8 Ἀ

8 ΕC-12 , CXCῶ ἈῦἈτ ΕβἈ , CXCΟ! ρ τ Εβ OC8
τ ΕβἈ _B* _ Ἀ! Δ ΧἈ!Ἀ!Ἀ! € Ε Ν 8g : ~ Χ2!Γ8

CXO

, ρ θ _ J (ΛΗΓ8DΛ• ἈΡ, Κ! J Ἀ

, ϕ _ Ε +) J3+C J Ρ QEE Ο† Ἀ

Ἀ3, > : C × ὠ - € Ο

ϕ _ Ε (ΛΗΓ8DΛ J Σ2• ΚἈ!Εθ8 *, +) J (8 ϕΕJ

- € M

>Εε Ο† η × τ _ ΕJἈ3, 1M...- -(Ε Ἀ

(ΛΗΓ8DΛ J Σ2• ΚἈ!Εθ8 *, +) J (8 ϕΕJἈ3,

,) Εε Ο† Ε >| η Γ| = } Ἀ

, ! Εε Ο†] ϑ | Ἀ

, ρΕε Ο†] B+ (8J , Ν! Γὠ| Ἀ

2 Ε , Ἀ

, ἈΕε Ο† , 3' , B38s ~ ΕJ0 ΣΕ÷0: ! Γὠ| ΕΕ÷0:

, 2 Εε Ο† ΕJEOO ΕΕ8 2 Ε , Ἀ

Jῶ Ἀ

!

5

-
- - EtherCat

5

EtherCat

GDHF681N4EC01A

RJ45-1

RJ45-2

RJ45-1	A
RJ45-2	B

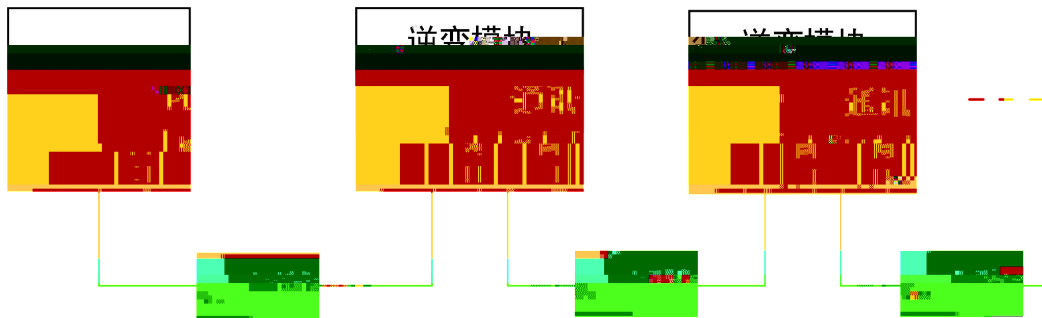
A

B

EtherCat

5E

TIA/EIA-568-B



EtherCat

EtherCat

EtherCat

GDHF681N4EC01A

EtherCat

GDHF681N4EC01A

(ESI)

www.gdetec.com

ESI

GSDML- -GUIDE-ET.XML

EtherCat

GDHF681N4EC01A

EtherCat

EtherCat

P33.0	[0]	0	1	0
	[1]			
P33.2	[0]PP01	0	2	1
	[1]PP02			
	[2]PP05			

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

EtherCat

[0] EtherCat

[1] EtherCat

EtherCat

PP0 Parameter/Process Data Objects, /

EtherCat PP0

2 PP0

PPP05

HF681N

PLC

HF681N

Ä

òX

ÉÃð ð]

ÉÃ* !”

EVt

ið ð

ðð ð

Ä

EtherCat

EtherCat

EtherCat

GDHF681N4EC01A

EtherCat

EtherCat

PP0 Parameter/Process Data Objects

/

PP0

PP0

	W 0	W 1	W 2	W 3	W 4	W 5	W 6	W 7	W 8	W 9	W 10	W 11	W 12	W 13	W 14	W 15
PP01	W0	W1	W2	W3	W4	W5										
PP02	W0	W1	W2	W3	W4	W5	W6	W7	W8	W9						
PP05	W0	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W13		

PLC					
		bit			
			' 0 '		
		0	PA_ENABLE		
			' 1 '		
W0	PA_CTRL		' 0 '		
		1	WRITE	' 1 '	
				' 0 '	
				' 1 '	
				' 0 '	
		2	SAVE_to_FLASH	' 1 '	FLASH
		3			
		~	Reserved		
		15			
W1	Address	byte	[15..08]	[07..00]	
		Data			
W2	0			0	
W3	Data		16		

PLC

bit

0	Reserved
---	----------

1	Reserved
---	----------

‘ 0 ’

```
2    SAVE_to_FLASH    ' 1 '
```

PA_STATUS FLASH

WO ' 0 ' 0

```

3      ILLEGAL_ADDRES

```

‘ 1 ’

4

~ Reserved

15

W1	Address	byte	[15..08]	[07..00]
----	---------	------	----------	----------

W1	Address	Data
0	00000000	00000000
1	00000001	00000000
2	00000002	00000000
3	00000003	00000000
4	00000004	00000000
5	00000005	00000000
6	00000006	00000000
7	00000007	00000000
8	00000008	00000000
9	00000009	00000000
10	0000000A	00000000
11	0000000B	00000000
12	0000000C	00000000
13	0000000D	00000000
14	0000000E	00000000
15	0000000F	00000000
16	00000010	00000000
17	00000011	00000000
18	00000012	00000000
19	00000013	00000000
20	00000014	00000000
21	00000015	00000000
22	00000016	00000000
23	00000017	00000000
24	00000018	00000000
25	00000019	00000000
26	0000001A	00000000
27	0000001B	00000000
28	0000001C	00000000
29	0000001D	00000000
30	0000001E	00000000
31	0000001F	00000000
32	00000020	00000000
33	00000021	00000000
34	00000022	00000000
35	00000023	00000000
36	00000024	00000000
37	00000025	00000000
38	00000026	00000000
39	00000027	00000000
40	00000028	00000000
41	00000029	00000000
42	0000002A	00000000
43	0000002B	00000000
44	0000002C	00000000
45	0000002D	00000000
46	0000002E	00000000
47	0000002F	00000000
48	00000030	00000000
49	00000031	00000000
50	00000032	00000000
51	00000033	00000000
52	00000034	00000000
53	00000035	00000000
54	00000036	00000000
55	00000037	00000000
56	00000038	00000000
57	00000039	00000000
58	0000003A	00000000
59	0000003B	00000000
60	0000003C	00000000
61	0000003D	00000000
62	0000003E	00000000
63	0000003F	00000000
64	00000040	00000000
65	00000041	00000000
66	00000042	00000000
67	00000043	00000000
68	00000044	00000000
69	00000045	00000000
70	00000046	00000000
71	00000047	00000000
72	00000048	00000000
73	00000049	00000000
74	0000004A	00000000
75	0000004B	00000000
76	0000004C	00000000
77	0000004D	00000000
78	0000004E	00000000
79	0000004F	00000000
80	00000050	00000000
81	00000051	00000000
82	00000052	00000000
83	00000053	00000000
84	00000054	00000000
85	00000055	00000000
86	00000056	00000000
87	00000057	00000000
88	00000058	00000000
89	00000059	00000000
90	0000005A	00000000
91	0000005B	00000000
92	0000005C	00000000
93	0000005D	00000000
94	0000005	

W2 0 0

W3	Data	16
----	------	----

CW0.3 RESET

‘ 0 ’

‘ 1 ’

CW0.4 External FAULT

CW0.13		' 01 ' 2 ' 10 ' 3 ' 11 ' 4
CW0.14	TORQUE_ZERO	' 0 ' ' 1 '
CW0.15	FREE_RUNNING_STOP	' 0 ' ' 1 '

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	M_STEP3	4 ' 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

EtherCat

EtherCat

16

EtherCat

LED

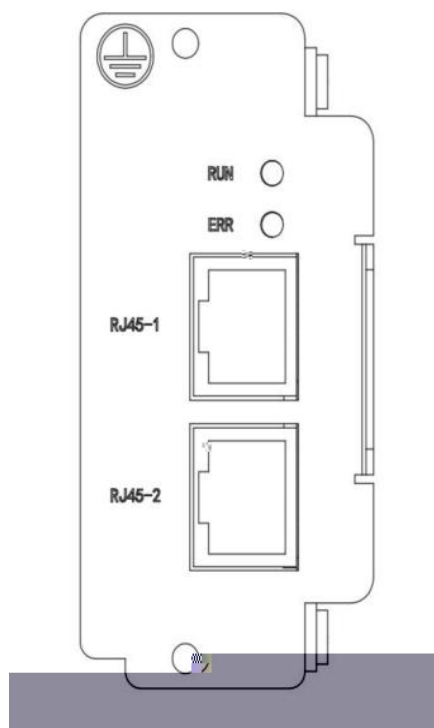
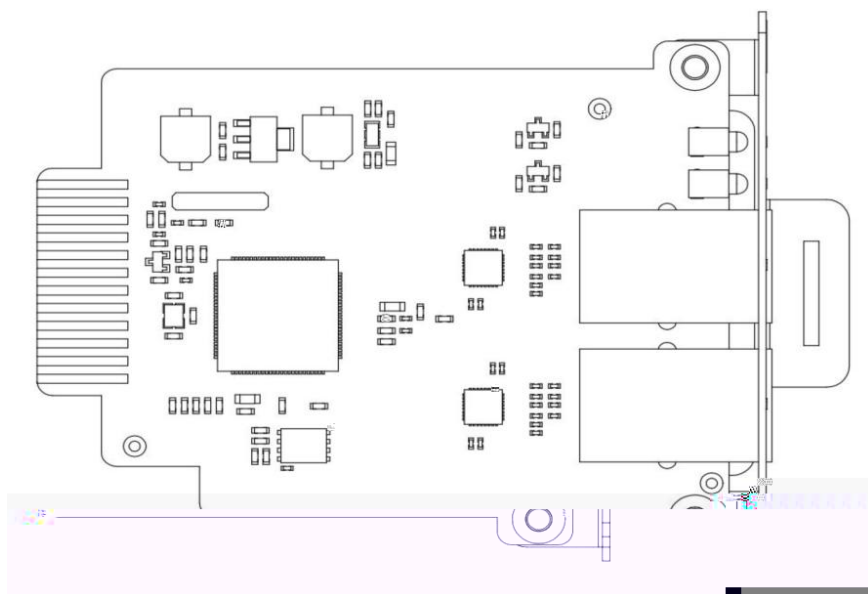
GDHF681N4EC01A

2

LED

LED

Err



EtherCat

HF681N

- EtherCat
-

EtherCat

EtherCat

5E

TIA/EIA-568-B

	A EtherCat	B DIN 19245 Part1	
	135~165(3~20MHz)	100~130(f>100kHz)	W
	<30	<60	pF/m
	<110	--	Ω /km
	>0.64	>0.53	mm
	>0.34	>0.22	mm ²

100

100Mbit/s

EtherCat

Wuhan Guide Technology Co.,Ltd.

6

430223

86-027-87927230

shfw@gdetec.com

www.gdetec.com

400-0077-570