

GUIDE

Ether Cat

GDHF681N4EC01A



Wuhan Guide Technology Co., Ltd.

EtherCat

EtherCat

EtherCat

EtherCat

PPO

LED

EtherCat

EtherCat

Ether Cat

GDHF681N4ECO1A

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GDHF681N4EC01A

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Ether Cat

GDHF681N4EC01A

GDHF681N4ECO1A

EtherCat

GDHF681N4ECO1A

EtherCat

GDHF681N4ECO1A

LED

EtherCat



VVV

VVV

W

W



Ether Cat

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Ether Cat

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EtherCat

GDHF681N4ECO1A

RJ 45- 1

RJ 45- 2

RJ 45- 1	A
RJ 45- 2	B

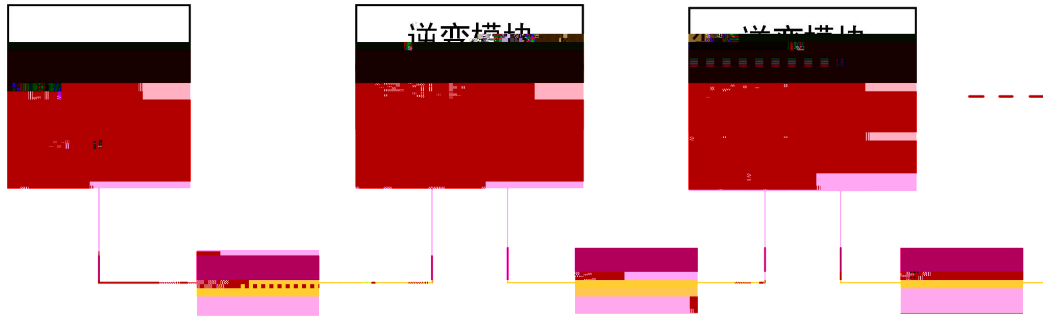
A

B

Ether Cat

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TI A/EI A- 568- B



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(ESI)

www.gdetec.com

ESI

GSDML- - GUI DE- ET. XML

Ether Cat

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P33. 0	[0]	0	1	0
	[1]			
	[0] PPO1			
P33. 2	[1] PPO2	0	2	1
	[2] PPO5			

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
...

EtherCat

[0] EtherCat

[1] EtherCat

EtherCat

PPO Parameter/Process Data Objects, /

EtherCat PPO

2 PPO

PPPO5

HF681N

PLC



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Ether Cat

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PPO Parameter/Process Data Objects

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PPO

PPO

	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
PPO1	V0	V1	V2	V3	V4	V5										
PPO2	V0	V1	V2	V3	V4	V5	V6	V7	V8	V9						
PPO5	V0	V1	V2	V3	V4	V5	V6	V7	V8	V9	V10	V11	V12	V13		

PLC

		bit	
			' 0'
		0	PA_ENABLE
			' 1'
V0	PA_CTRL	1	WRITE
			' 0'
			' 1'
		2	SAVE_to_FLASH
			' 0'
			' 1'
			FLASH
		3	
		~	Reserved
		15	
		byte	[15. . 08] [07. . 00]
V1	Address		
	Data		
V2	0		0
V3	Data		16

PLC

		bit	
		0	Reserved
		1	Reserved
			' 0'
		2	SAVE_to_FLASH ' 1'
	PA_STATUS		FLASH
			' 0'
		3	ILLEGAL_ADDRES S ' 1'
		4	
		~	Reserved
		15	
		byte	[15. . 08] [07. . 00]
W1	Address	Data	
W2	0		0
WB	Data		16

CMD. 3 RESET

' 0 ' =

' 1 ' =

CMD. 4 External FAULT

CMD

λ = MHC H

CVD. 13		' 01' ' 10' ' 11'	2 3 4
CVD. 14	TORQUE_ZERO	' 0 ' 1'	
CVD. 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	' 0 ' 1'	1 1 1
SW0. 7	M_STEP1	' 0 ' 1'	2 2 2

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

16

1

15

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16

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LED

GDHF681N4ECO1A

2

LED

LED

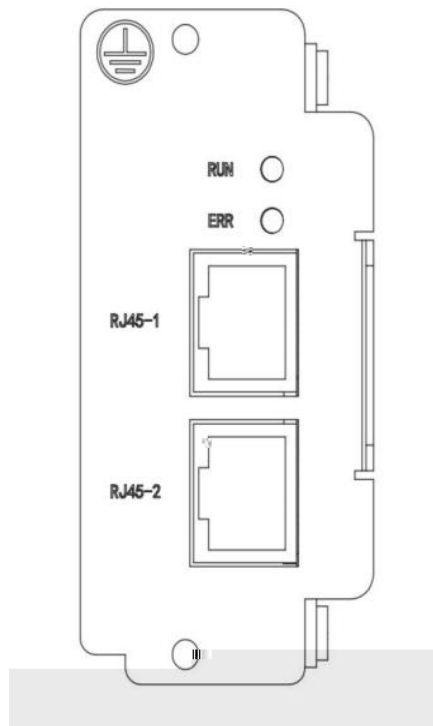
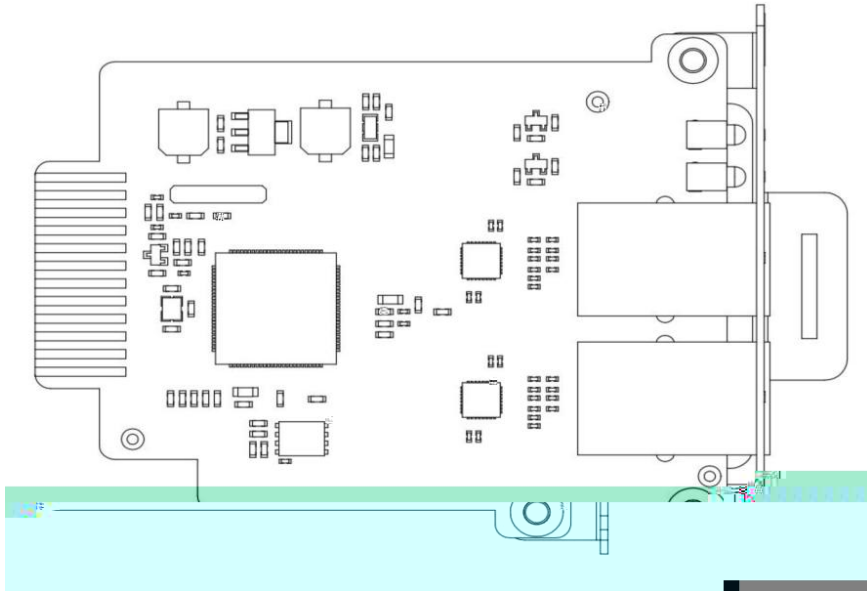
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TI A/EI A- 568- B

	A Ether Cat	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

Ether Cat

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