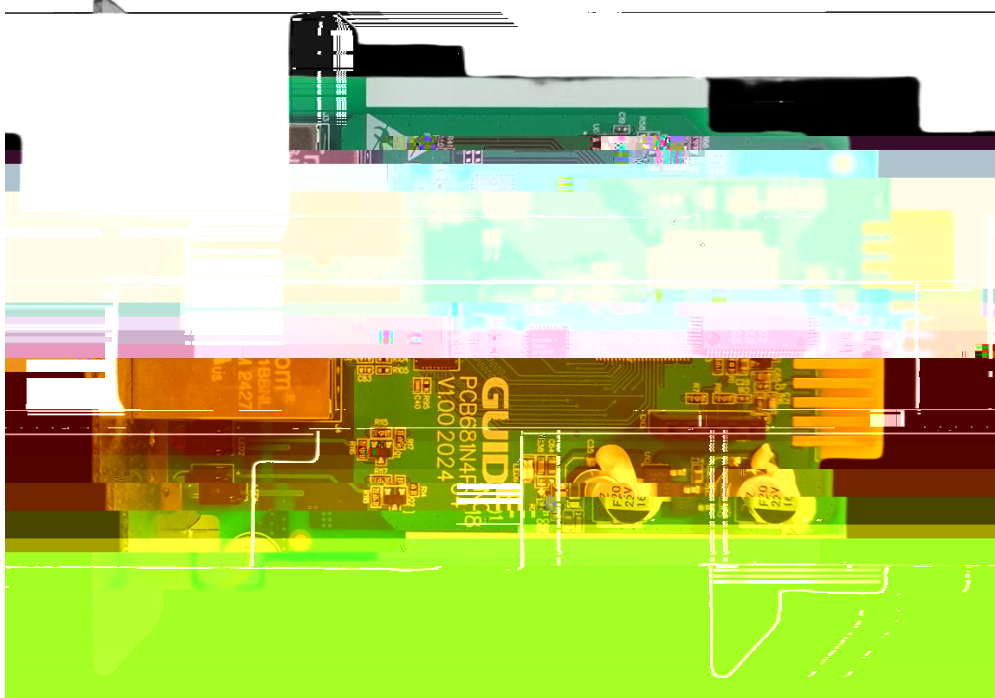


GUIDE

EtherCat

GDHF681N4EC01A



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EtherCat

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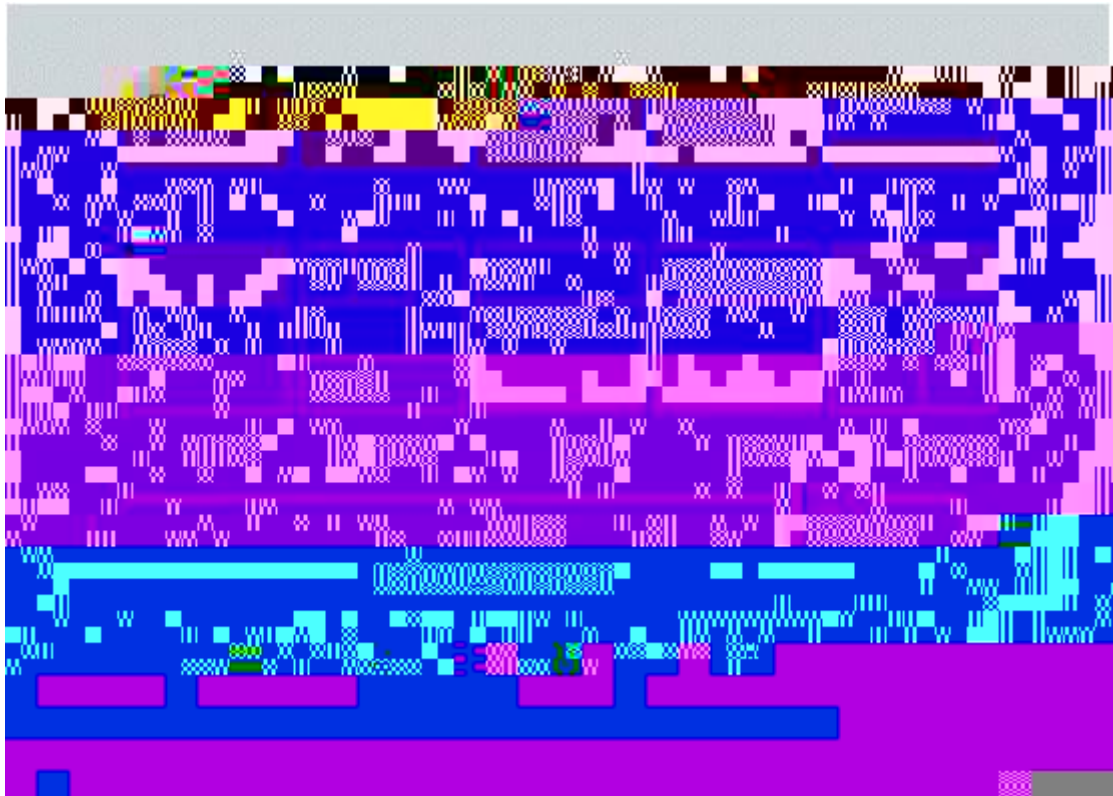
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8 ΕC-12 , CXCλ AUΔt EBΛ', CXO! p t EB OCg
t EBΛ _B* _A! Δ XA!A!A! € E N 8g : ~ X2!Γg

CXO

, b θ _ J (M-H8DM• AB, K! J Ἀ

, ϕ _E +) J3+C J B QEE Ó± Ἀ

AB, > : C × U - € O

ϕ _E (M-H8DM J Σ2• K A!Eθg *, +) J (g ϕ _E J

- € M

>EE Ó± H × t _EJAB, 1M...- -(E Ἀ

(M-H8DM J Σ2• K A!Eθg *, +) J (g ϕ _E JAB,

,) EE Ó±E >| UΓJ = } Ἀ

, ! EE Ó±] θ I Ἀ

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RJ45-1

RJ45-2

RJ45-1	A
RJ45-2	B

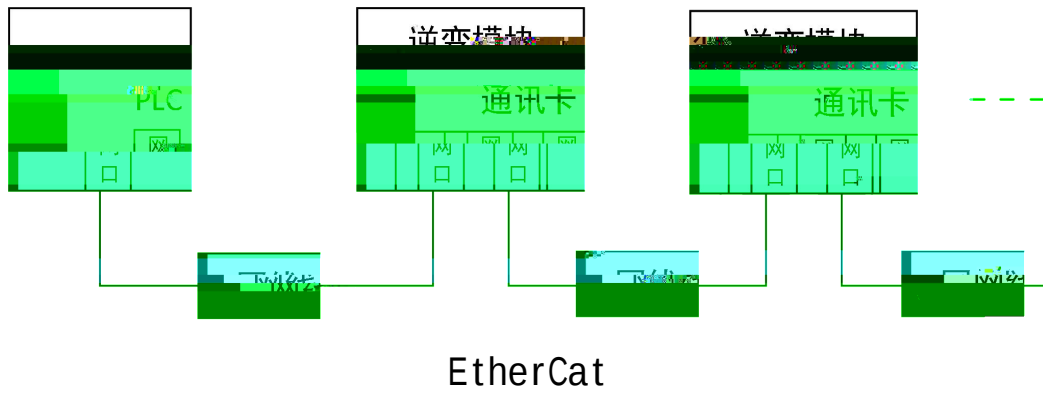
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TIA/EIA-568-B



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(ESI)

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GSDML- -GUIDE-ET.XML

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

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PLC

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PP0 Parameter/Process Data Objects

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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 ’		
W0	PA_CTRL	0	PA_ENABLE		
				‘ 1 ’	
		1	WRITE	‘ 0 ’	
				‘ 1 ’	
		2	SAVE_to_FLASH	‘ 0 ’	
				‘ 1 ’	
		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 ‘ O ’

```
3  ILLEGAL_ADDRES
```

S ' 1 '

~ Reserved

15

```
byte      [15..08]      [07..00]
```

Data

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

Data

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

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16

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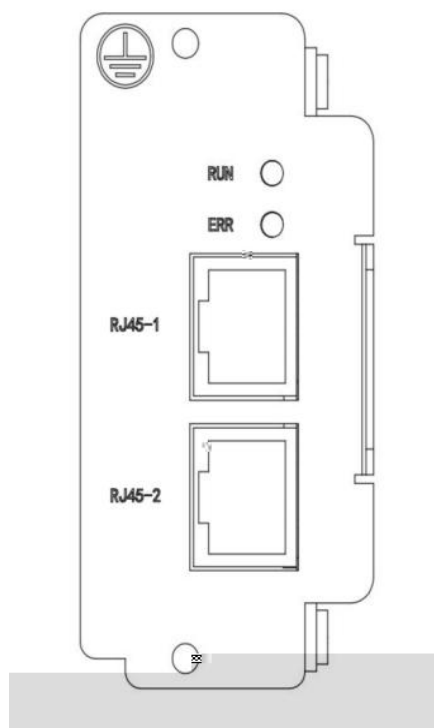
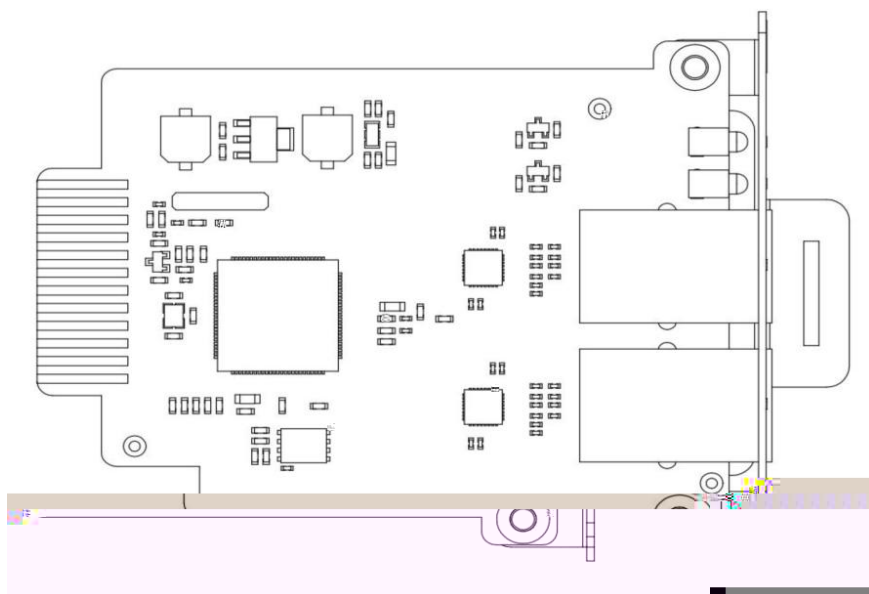
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Err



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EtherCat

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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

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