



TOSUN-TC3014

tosunai.com

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VE5236	ECP HF , 6

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上
上 34:: ; ()
 6:6;

1. 介

VE5236 一 于 UqemgvECP ECP|ECP HF ,
 6 ECP|ECP HF , ECP 。
 7Odru ECP HF (:Odru) , Okpk REkg 与主 ,
 Nkp wz , 优 。
 VE5236 产主 , 产 , 。
 于 、 、 主 业 中 ,
 , 。

产

RE	Okpk REkg (WUD)
	Nkp wz
	件
	F/Uwd, ;Rkp
ECP	ECP402 C、D , KUQ33:;:/3 , 347 Mdru ϕ 3Odru
ECP HF	KUQ KUQ ECP HF, 347Mdru ϕ 7Odru (: Odru)
	Okpk REkg
	4Y
	ECP : 92 ' ϕ ;2 '
	52 , 720;7o o
	32 ' ϕ ;2 ' ()

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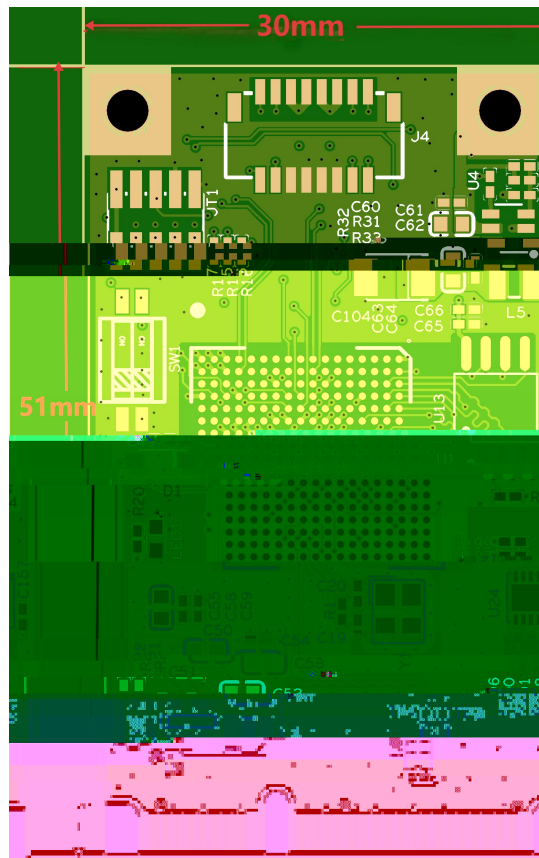
CAN/CAN FD

	ECP 402CID (KUQ 33::: 3)、ECP HF (KUQ 与 KUQ)
ECP	347Mdru ϕ 3Odru
ECP	:
ECP HF	347Mdru ϕ7Odru (:Odru)
ECP HF	86 , DTU
	6 ECP ECP HF, 互
	件

	件				
	Ołpk REłg	//	703	//	X
	Ołpk REłg	//	402	//	Y

CAN

	件				
	ECPa J. ECPaN	/7:	//	7:	X
	仪	4722	//	//	XFE



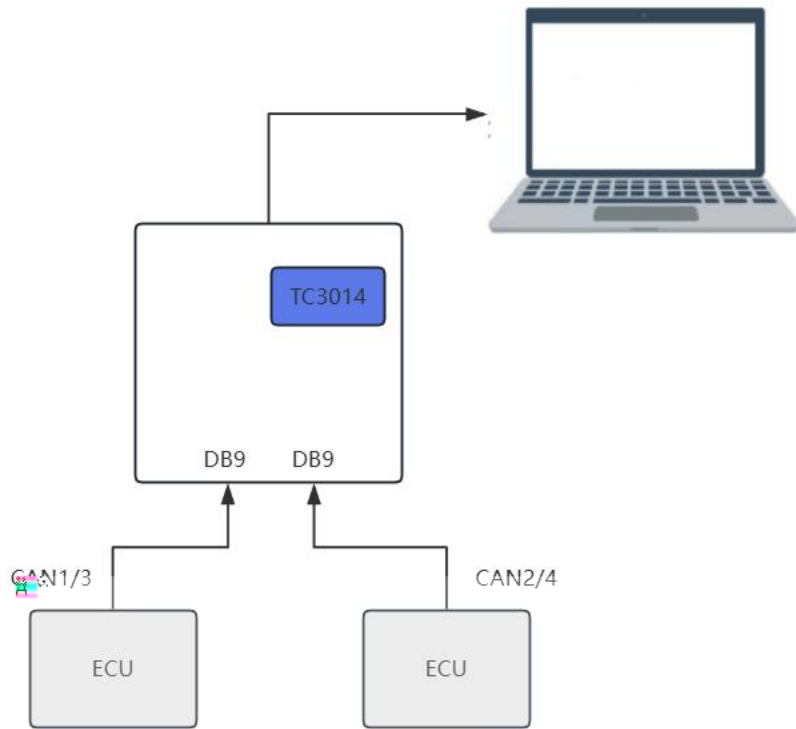
3/3

义

CAN FD DB9 (Male)

DB9			义			义
	ECPHF 315	RKP4	ECPHF3aNqy	ECPHF 416	RKP4	ECPHF4aNqy
		RKP3	ECPHF3a I PF		RKP3	ECPHF4a I PF
		RKP6	ECPHF5aNqy		RKP6	ECPHF6aNqy
		RKP7	ECPHFaUjkgnf		RKP7	ECPHFaUjkgnf
		RKP9	ECPHF3a Jki j		RKP9	ECPHF4a Jki j
		RKP :	ECPHF5a Jki j		RKP :	ECPHF6a Jki j
		RKP ;	ECPHF5a I PF		RKP ;	ECPHF6a I PF

2. Linux 下



4/3 Nkpwz 下

Nkpwz , .

2.1.1.

30 件 , ECP

40 iee

50 Ocmghkng

60 uj

2.1.2.

30 Nkpwz 中, .

```
tosun@tosun-HP-ProBook-455-15-6-inch-G9-Notebook-PC:~/Desktop/TC3014/TC3014/00_user$ ls
socket_can.c  socket_drv  TC3014产品手册v1.0.docx  tosun_socket_can使用说明.docx
tosun@tosun-HP-ProBook-455-15-6-inch-G9-Notebook-PC:~/Desktop/TC3014/TC3014/00_user$
```

4/4 件

40 uqemgvaftx 件 下, ocmg 令 件, 件
为 vquwpauqemgvaecp\mq。

```
tosun@tosun-HP-ProBook-455-15-6-inch-G9-Notebook-PC:~/Desktop/TC3014/TC3014/00_user$ cd socket_drv/
tosun@tosun-HP-ProBook-455-15-6-inch-G9-Notebook-PC:~/Desktop/TC3014/TC3014/00_user/socket_drv$ make
make -C /lib/modules/6.8.0-65-generic/build/ M=/home/tosun/Desktop/TC3014/TC3014/00_user/socket_drv modules
make[1]: Entering directory '/usr/src/linux-headers-6.8.0-65-generic'
warning: the compiler differs from the one used to build the kernel
The kernel was built by: x86_64-linux-gnu-gcc-12 (Ubuntu 12.3.0-1ubuntu1~22.04) 12.3.0
You are using: gcc-12 (Ubuntu 12.3.0-1ubuntu1~22.04) 12.3.0
cc [M] /home/tosun/Desktop/TC3014/TC3014/00_user/socket_drv/drivers/net/can/usb/tosun.o
cc [M] /home/tosun/Desktop/TC3014/TC3014/00_user/socket_drv/drivers/net/can/usb/cdev.o
cc [M] /home/tosun/Desktop/TC3014/TC3014/00_user/socket_drv/drivers/net/can/usb/cdev.o
ld [M] /home/tosun/Desktop/TC3014/TC3014/00_user/socket_drv/tosun_socket_can.o
ld [M] /home/tosun/Desktop/TC3014/TC3014/00_user/socket_drv/Module.symvers
cc [M] /home/tosun/Desktop/TC3014/TC3014/00_user/socket_drv/tosun_socket_can.mod.o
ld [M] /home/tosun/Desktop/TC3014/TC3014/00_user/socket_drv/tosun_socket_can.ko
BTF [M] /home/tosun/Desktop/TC3014/TC3014/00_user/socket_drv/tosun_socket_can.ko
Skipping BTF generation for /home/tosun/Desktop/TC3014/TC3014/00_user/socket_drv/tosun_socket_can.ko due to unavailability of vmlinux
make[1]: Leaving directory '/usr/src/linux-headers-6.8.0-65-generic'
```

4/5 3

50 ocmg kpvcnn ecpafgx jkf ,

```
tosun@tosun-HP-ProBook-455-15-6-inch-G9-Notebook-PC:~/Desktop/tosun_socket_can/realize/tosun_socket_can/socket_drv$ make install
make: Warning: File 'Makefile' has modification time 26270 s in the future
-e Installing kernel module...
[sudo] password for tosun:
-e Installed. Load with: sudo modprobe tosun_socket_can
make: warning: Clock skew detected. Your build may be incomplete.
```

4/6 4

60 , , fogui 令 以 vquwp
, kr nkpm ujy ECP。

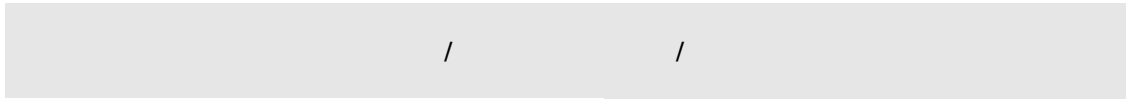
```
8728.817753] rk628 4-0050: rk628 display work: hdmirx detect status:0x1
8728.826526] usb 5-1: new high-speed USB device number 4 using xhci-hcd
8728.967395] usb 5-1: New USB device found, idVendor=5453, idProduct=1000, bcdDevice= 0.02
8728.967402] usb 5-1: New USB device strings: Mfr=1, Product=2, SerialNumber=3
8728.967405] usb 5-1: Product: TOSUN HS CANFD4.SOCKETCAN
8728.967408] usb 5-1: Manufacturer: TOSUN
8728.967411] usb 5-1: SerialNumber: 2024051701
8728.972343] tosun_usb TOSUN_USB_CANUSB_PRODUCT_ID start
8728.972660] tosun_socket_can 0003:5453:1000.0003 can2: device can2 registered
8728.972675] tosun_usb TOSUN_USB_CANUSB_PRODUCT_ID start
8728.972906] tosun_socket_can 0003:5453:1000.0003 can3: device can3 registered
8728.972920] tosun_usb TOSUN_USB_CANUSB_PRODUCT_ID start
8728.973127] tosun_socket_can 0003:5453:1000.0003 can4: device can4 registered
8728.973139] tosun_usb TOSUN_USB_CANUSB_PRODUCT_ID start
8728.973377] tosun_socket_can 0003:5453:1000.0003 can5: device can5 registered
8728.973383] tosun_usb tosun_usb probe
8728.973663] tosun_socket_can 0003:5453:1000.0003: hiddev96,hidraw0: USB HID v1.11 Device [TOSUN TOSUN HS CANFD4.SOCKETCAN] on usb-
cd.10.auto-1/input0
```

4/7 5

VQ

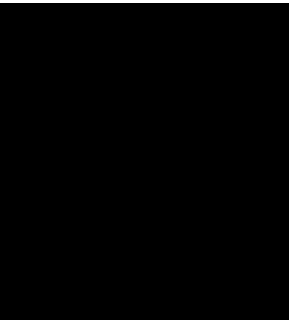
4.

TC3014 主 件 件, , 不 下也
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