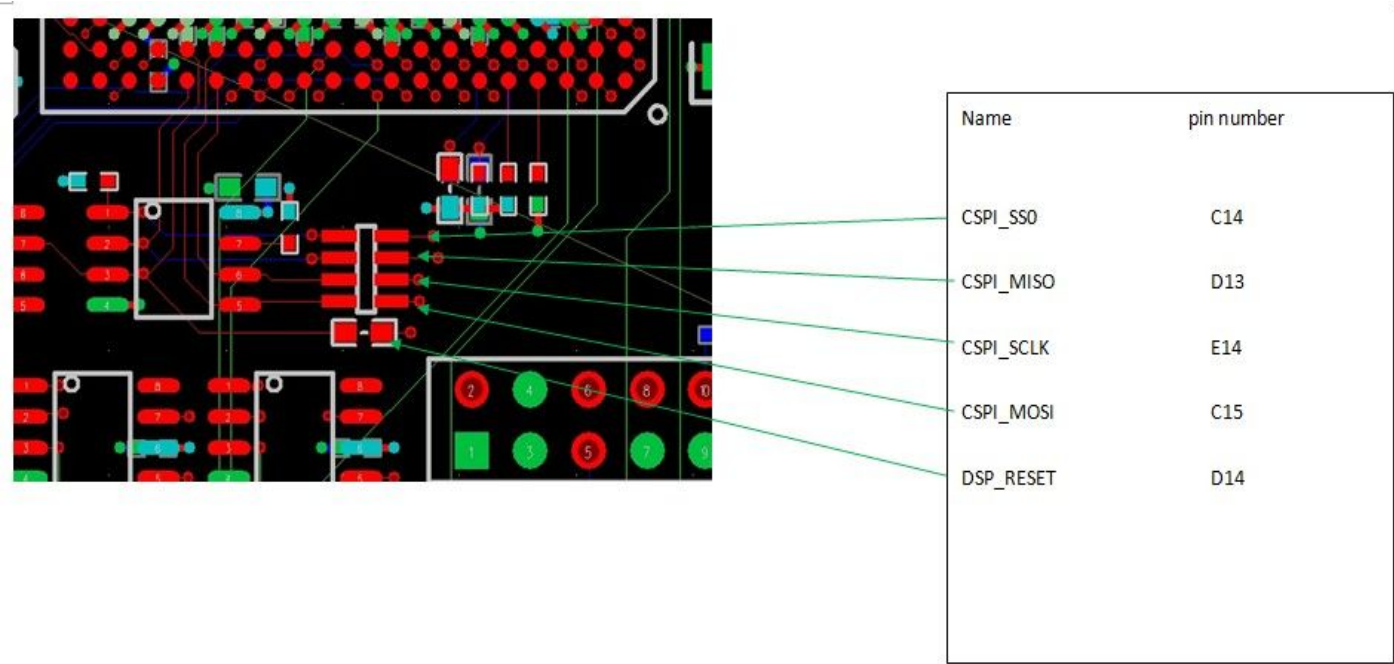
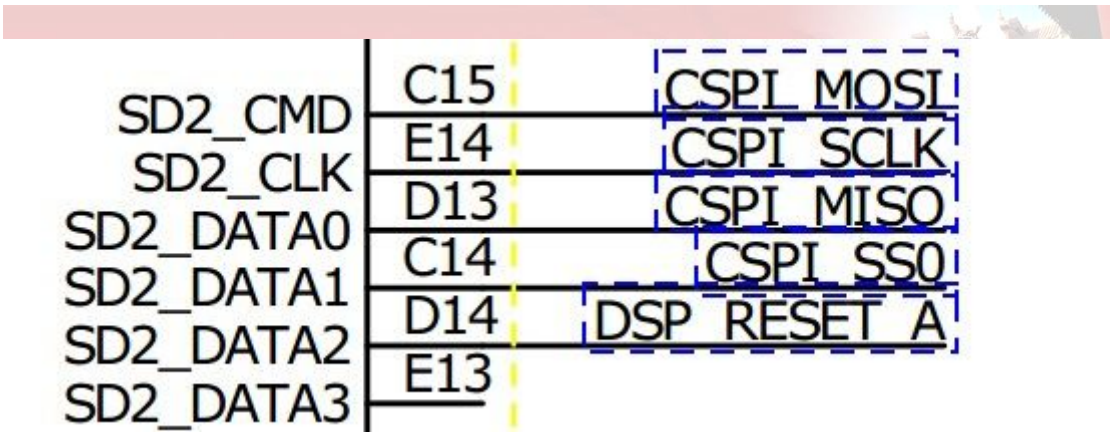


mx53 CSPI 驱动程序及测试程序说明



1、原理图



2、源文件清单

源文件清单

设备	文件名称	功能
CSPI	imx5_cspi_device.c	定义 cspi 设备资源
	imx5_cspi_driver.c	cspi 驱动实现
	Makefile	编译文件
	test_cspi.c	CSPI 测试程序
	test_dsp.c	DSP 复位测试程序

设备文件清单

设备	设备文件	类型	主设备号	次设备号	用途
CSPI	/dev/imx5_cspi	c	1990	0	CSPI 设备文件

3、测试结果

```
/ # insmod imx5_cspi_device.ko
cspi:platform_device_register() ok:0
/ # insmod imx5_cspi_driver.ko
cspi:register_chrdev_region() ok:0
cspi:cdev_add() ok:0
CSPI_CONREG,phy:0x63fc0008,vir:0xe0a8c008
CCM_CCGR4:0x3c010000
SD2_CLK,phy:0x53fa82fc,vir:0xe0a982fc
SD2_CMD,phy:0x53fa8300,vir:0xe0aa0300
SD2_DATA2,phy:0x53fa8308,vir:0xe0aa8308
SD2_DATA1,phy:0x53fa830c,vir:0xe0ab030c
SD2_DATA0,phy:0x53fa8310,vir:0xe0ab8310
GPIO1_GDIR,phy:0x53f84004,vir:0xe0ac0004
GPIO1_DR,phy:0x53f84000,vir:0xe0a90000
cspi:probe finish
cspi:platform_driver_register() ok:0
/ #
```

```
/ # ./test_cspi
cspi:ioctl
cspi:data transfer
copy_from_user:writevalue:0x34,readvalue:0x0
wait for Tx FIFO is not full...
start to transfer...
wait for transfer finish...
transfer finish!
CSPI transfer finish!
write value:0x34
read value:0x0
/ #
```



张绍言
2013/1/16