JetPack6 GPIO????

1.??GPIO???????

1.GPIO????

Sysfs GPIO	Name	Pin	Pin	Name	Sysfs GPIO
	3.3 VDC *Power*	1	2	**5.0 VDC** *Power*	
	I2C1_SDA *I2C Bus 7*	3	4	**5.0 VDC** *Power*	
	I2C1_SCL *I2C Bus 7*	5	6	**GND**	
144 gpio492	**GPIO9** *AUDIO_MCLK*	7	8	**UART1_TX** */dev/ttyTHS0*	
	GND	9	10	**UART1_RX** */dev/ttyTHS0*	
112 gpio460	**UART1_RTS**	11	12	**I2S0_SCLK**	*50* gpio398
122 gpio470	**SPI1_SCK**	13	14	**GND**	
85 gpio433	**GPIO12** *Alt: PWM*	15	16	**SPI1_CS1**	*126* gpio474
	3.3 VDC *Power*	17	18	**SPI1_CS0**	*125* gpio473
135 gpio483	**SPI0_MOSI**	19	20	**GND**	
134 gpio482	**SPI0_MISO**	21	22	**SPI1_MISO**	*123* gpio471
133 gpio481	**SPI0_SCK**	23	24	**SPI0_CS0**	*136* gpio484
	GND	25	26	**SPI0_CS1**	*137* gpio485
	I2C0_SDA *I2C Bus 1*	27	28	**I2C0_SCL** *I2C Bus 1*	

2.PADCTL????GPIO????

PADCTL_A0(PADCTL_G3) 0x02430000
PADCTL_A4(PADCTL_G4) 0x02434000
PADCTL_A16(PADCTL_EDP) 0x02440000
PADCTL_A24(PADCTL_G7) 0x02448000

7□ GPIO09 PADCTL_G7_SOC_GPIO59_0 0x30 gpio-492 PAC.06 0x02448030
15□ GPIO12 PADCTL_EDP_SOC_GPIO39_0 0x20 gpio-433 PN.01 0x02440020
29□ GPIO01 PADCTL_G3_SOC_GPIO32_0 0x68 gpio-453 PQ.05 0x02430068
31□ GPIO11 PADCTL_G3_SOC_GPIO33_0 0x70 gpio-454 PQ.06 0x02430070
32□ GPIO07 PADCTL_G4_SOC_GPIO19_0 0x80 gpio-389 PG.06 0x02434080
33□ GPIO13 PADCTL_G4_SOC_GPIO21_0 0x40 gpio-391 PH.00 0x02434040

3.??????????

https://docs.nvidia.com/jetson/archives/r36.4.3/DeveloperGuide/HR/JetsonModuleAdaptationAndBringUp/JetsonOrinNxNanoSeries.html#changing-the-pinmux

2.???????GPIO

1.??busybox?libgpiod2

sudo apt install busybox libgpiod2

2.????????GPIO??

□ 31□□□□□□ 0x02430070□□□□□□□ PQ.06□ GPIO□□

□□□□□ 1.2 PADCTL□□□□ GPIO□□□□ □□□□□

3.??GPIO?????

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sudo busybox devmem 0x02430070 w 0x58

□□ GPIO□□□□□□□□ 1□□□□□ 0□□□□

gpioget $(gpiofind "PQ.06")

4.??GPIO?????

通过命令行设置为输出模式

sudo busybox devmem 0x02430070 w 0x0

设置 GPIO输出， 1为高电平， 0为低电平

gpioset --mode=wait $(gpiofind "PQ.06")=1

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