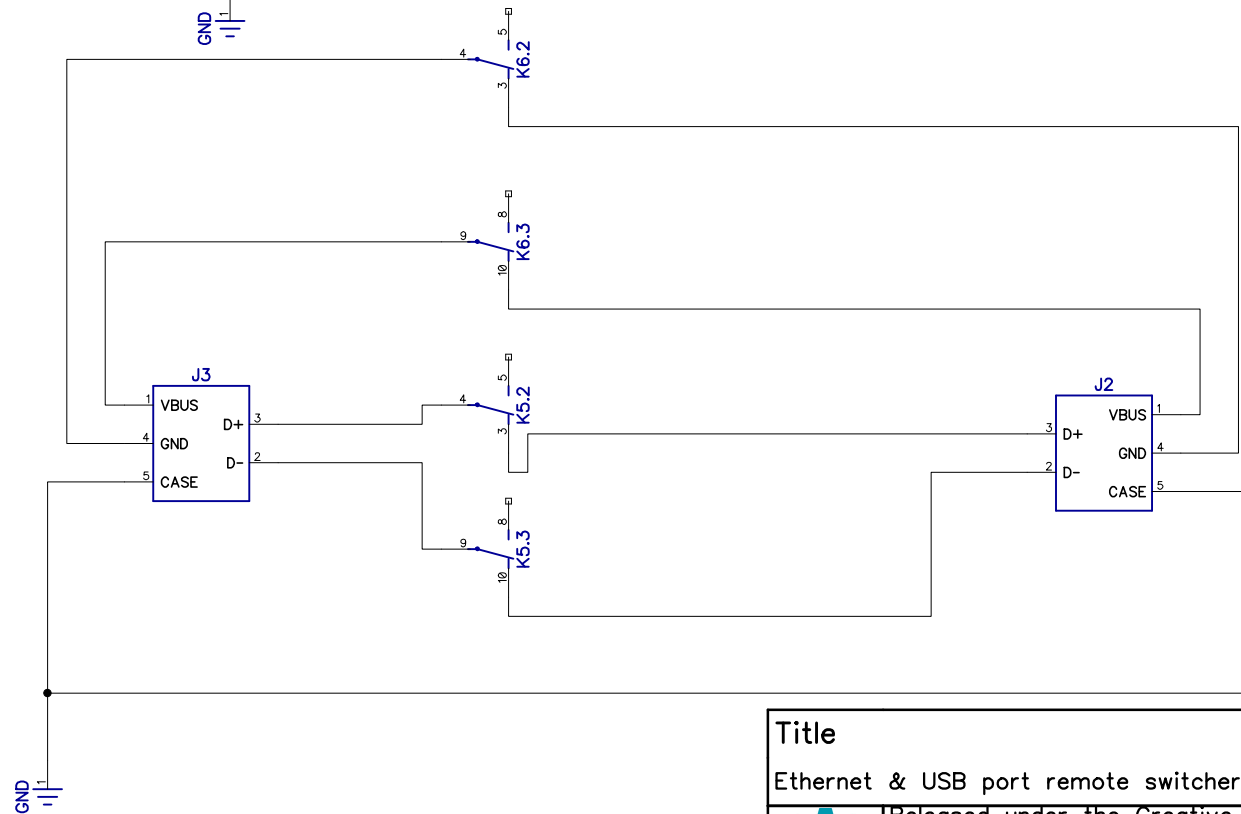

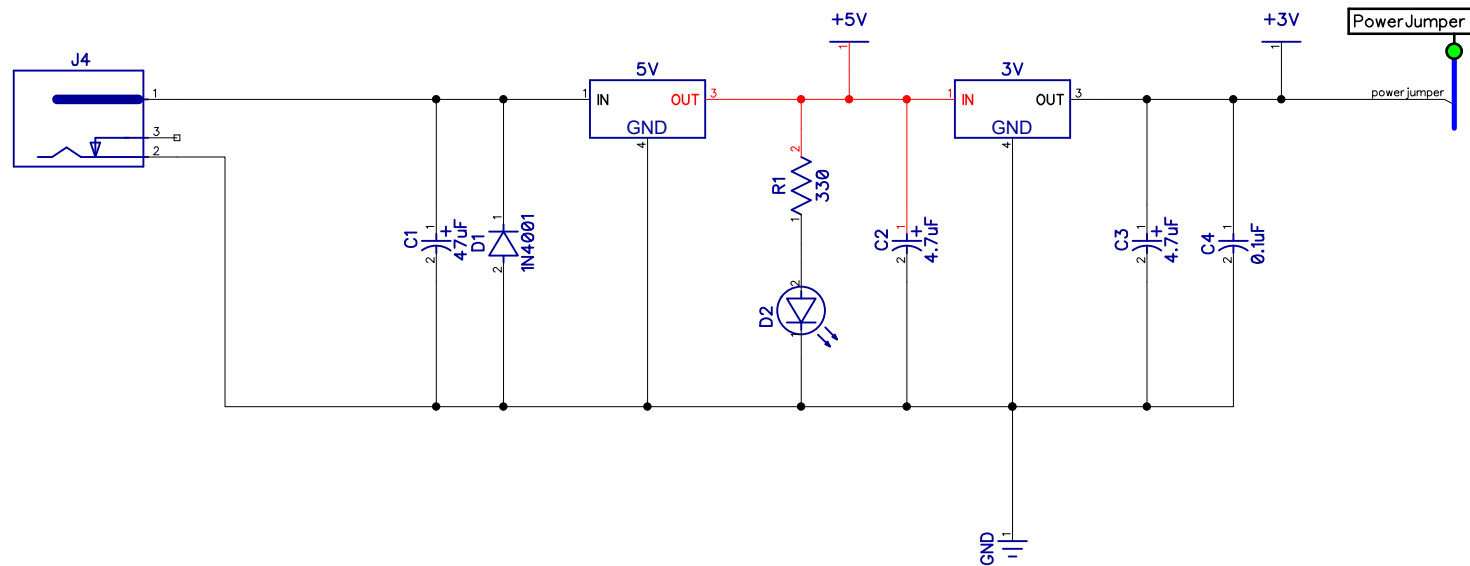



The relay circuit for the Ethernet and USB ports has been designed to be normally closed so if there is a power failure the connected devices will have communication.



Title		
Ethernet & USB port remote switcher Lure		
	Released under the Creative Commons Attribution Share-Alike 3.0 License	Rev
	https://creativecommons.org/licenses/by-sa/3.0/	1.1
Date: 07/10/2015		Drawn by: Jose Navarro
eth&usbswitcher_Lure.dch		USB

This power supply can be used to prevent relay power consumption spikes to affect the MinnowBoard MAX




Title		
Ethernet & USB port remote switcher Lure		
 Released under the Creative Commons Attribution Share-Alike 3.0 License https://creativecommons.org/licenses/by-sa/3.0/	Rev	
	1.1	
Date: 07/10/2015		Drawn by: Jose Navarro
eth&usbswitcher_Lure.dch		Power supply

The diagram shows the MBoardMaxHDR26 module with the following pin connections:

- Pin 1:** Gnd
- Pin 2:** VCC
- Pin 3:** GPIO_SPI_CS#
- Pin 4:** GPIO_SPI_MISO
- Pin 5:** GPIO_SPI_MOSI
- Pin 6:** GPIO_SPI_CLK
- Pin 7:** GPIO_I2C_SCL
- Pin 8:** GPIO_I2C_SDA
- Pin 9:** GPIO_UART2_TXD
- Pin 10:** GPIO_UART2_RXD
- Pin 11:** GPIO_S5_0
- Pin 12:** GPIO_S5_1
- Pin 13:** GPIO_S5_4
- Pin 14:** Gnd
- Pin 15:** 3v3
- Pin 16:** GPIO_UART1_TXD
- Pin 17:** GPIO_UART1_RXD
- Pin 18:** GPIO_UART1_CTS
- Pin 19:** GPIO_UART1_RTS
- Pin 20:** GPIO_I2S_CLK
- Pin 21:** GPIO_I2S_FRM
- Pin 22:** GPIO_I2S_DO
- Pin 23:** GPIO_I2S_DI
- Pin 24:** GPIO_PWM0
- Pin 25:** GPIO_PWM1
- Pin 26:** GPIO_IBL_8254

Additional components and connections shown:

- Relays:** A red box labeled 'Relays' is connected to pins 11, 12, and 13.
- U2:** A red box labeled 'U2' is connected to pins 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, and 26.
- VCC:** A red box labeled 'VCC' is connected to pin 2.
- GND:** A red box labeled 'GND' is connected to pins 1, 14, and 26.

Title		
Ethernet & USB port remote switcher Lure		
	Released under the Creative Commons Attribution Share-Alike 3.0 License https://creativecommons.org/licenses/by-sa/3.0/	Rev 1.1
Date: 07/10/2015		Drawn by: Jose Navarro
eth&usbswitcher_Lure.dch		Minnowboard integration