

Connectors

The diagram illustrates the pin connections for the P2254V-11-04P module. The module has 11 pins, numbered 1 to 11. The connections are as follows:

- Pin 1:** +5V
- Pin 2:** NRS1
- Pin 3:** +3.3V
- Pin 4:** SWCK
- Pin 5:** SWDI
- Pin 6:** PB7
- Pin 7:** PB6
- Pin 8:** WAKE_PA
- Pin 9:** W_DISABLE_PA
- Pin 10:** RX
- Pin 11:** TX

The peripheral components and their connections are:

- PB1:** Connected to PB1H (Pin 1) and PB1L (Pin 2).
- PA0:** Connected to PA0H (Pin 3) and PA0L (Pin 4).
- PA1:** Connected to PA1H (Pin 5) and PA1L (Pin 6).
- PA6:** Connected to PA6H (Pin 7) and PA6L (Pin 8).
- PA7:** Connected to PA7H (Pin 9) and PA7L (Pin 10).
- PB0:** Connected to PB0H (Pin 11) and PB0L (Pin 12).
- PB10:** Connected to PB10H (Pin 13) and PB10L (Pin 14).
- PB14:** Connected to PB14H (Pin 15) and PB14L (Pin 16).
- PB15:** Connected to PB15H (Pin 17) and PB15L (Pin 18).
- R14:** Connected to PA0H (Pin 3) and PA0L (Pin 4).
- R15:** Connected to PA1H (Pin 5) and PA1L (Pin 6).
- R1:** Connected to PA6H (Pin 7) and PA6L (Pin 8).
- R3:** Connected to PA7H (Pin 9) and PA7L (Pin 10).
- R5:** Connected to PB0H (Pin 11) and PB0L (Pin 12).
- R6:** Connected to PB10H (Pin 13) and PB10L (Pin 14).
- R8:** Connected to PB14H (Pin 15) and PB14L (Pin 16).
- R10:** Connected to PB15H (Pin 17) and PB15L (Pin 18).
- R11:** Connected to PB15H (Pin 17) and PB15L (Pin 18).
- R13:** Connected to PB15H (Pin 17) and PB15L (Pin 18).

The schematic diagram illustrates the connection between a USB STM32 module and a USB2 KH-TYPE-C-16P connector. The USB STM32 module is represented by a red box with pins A1 through A12. The USB2 KH-TYPE-C-16P connector is shown as a red box with pins R1 through R12. The connections are as follows:

- Power:** The +5V pin of the USB STM32 module is connected to the +5V pin of the USB2 KH-TYPE-C-16P connector. The GND pin of the USB STM32 module is connected to the GND pin of the USB2 KH-TYPE-C-16P connector.
- USB D+ and D-:** The USB1_D+ and USB1_D- pins of the USB STM32 module are connected to the USB1_D+ and USB1_D- pins of the USB2 KH-TYPE-C-16P connector.
- UART:** The TX pin of the USB STM32 module is connected to the TX pin of the USB2 KH-TYPE-C-16P connector. The RX pin of the USB STM32 module is connected to the RX pin of the USB2 KH-TYPE-C-16P connector.
- Other Pins:** The VBUS, CC1, DP1, DN1, VBUS, CC2, and VBUS pins of the USB STM32 module are connected to the corresponding pins of the USB2 KH-TYPE-C-16P connector.

The USB STM32 module is also connected to a USB D2 TPUSBL06-2SC6 module, which is connected to a USB D+ and D- pin. The USB D+ and D- pins are connected to a USB D+ and D- pin. The USB D+ and D- pins are connected to a USB D+ and D- pin.

[illegible]

Power Switch

Peripherals

[illegible]

POWER SUPPLY 3.3V