

## Create Cable Pinout

The pinout is symmetrical and was designed so the mating 10 pin 0.1" header can be plugged in either way (0 or 180) to the 10 pin 0.1" header on the Create 2 USB-Serial cable without damaging the robot or electronics.

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Description	
Pin 1 and Pin 10:	Roomba RXD (Receive Data)
Pin 2 and Pin 9:	Roomba TXD (Transmit Data)
Pin 3 and Pin 8:	Roomba GND (Ground/Return)
Pin 4 and Pin 7:	Roomba PWR (Current Limited Battery Voltage, protected by self resetting PTC fuse)

Note: There is a Green LED connected to Roomba PWR (pins 4 and 7) inside the Create 2 USB-Serial cable. This indicates that Roomba PWR is available from the robot. In the event of a short circuit or excessive current draw, the robot's self resetting PTC fuse will open to protect the robot and this green LED will go out. As soon as the load or short circuit is removed from the debug header, the PTC fuse will reset and the green LED will come back ON, indicating voltage (12-21VDC) is once again available on pins 4 and 7

Pin 5 and Pin 6:	Roomba BRC
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