

## DIFFERENT TYPES CONNECTORS

Bunch of components and devices are connected together to run a robot. Different devices has different output pins. To connect one device to another for data transfer to happen we need connector. Connectors have a shape to get fit in one device and different shape to get fit in second device.

Here we are going to see the names and shapes of connectors and where they are used.

### 1. Jumper Wires

Types: male to male, male to female and female to female



Uses: used in breadboard connections to Arduino and sensors.

### 2. USB to mini B cable

Types: only one type



Uses: charging controllers, old mobile phones.

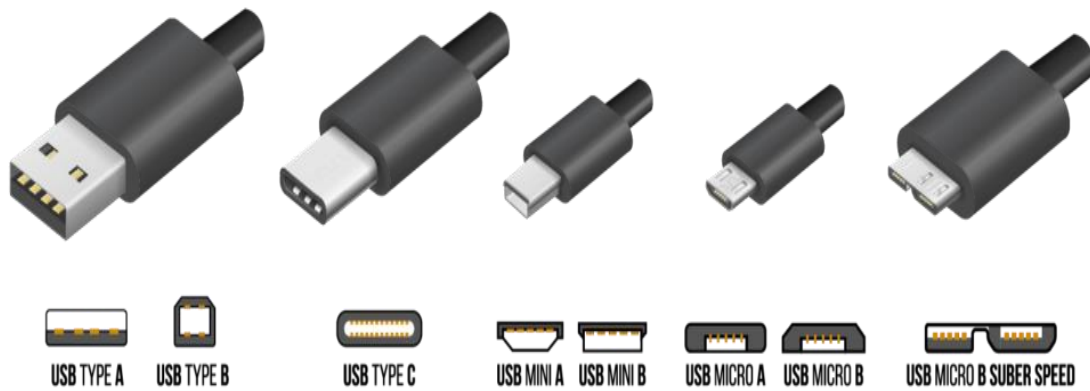
### 3. USB to micro B cable

Type: only one type



Uses: charging and transferring data from mobile, connecting microcontroller etc.

Similarly the combination of USBs can be made from these connectors:



Types: male to male, male to female and female to female for individual and different connectors.

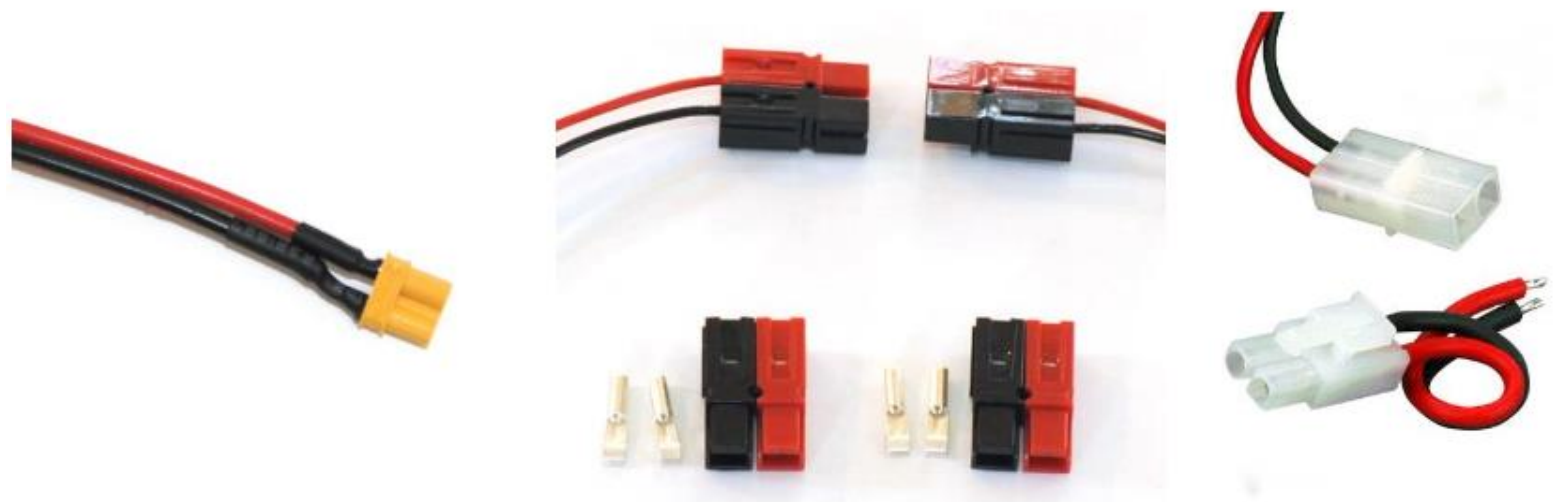
#### 4. Serial to HDMI and USB

Types: male and female



Uses: connection to projector or monitor.

#### 5. Tamiya connectors



Uses: Internal connection of Gadgets.

## 6. Anderson PowerPole

Uses: Modern internal robotic connections

