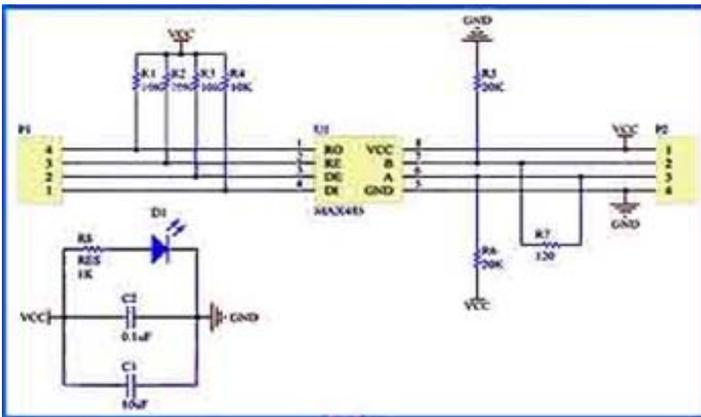


Overall Schematic

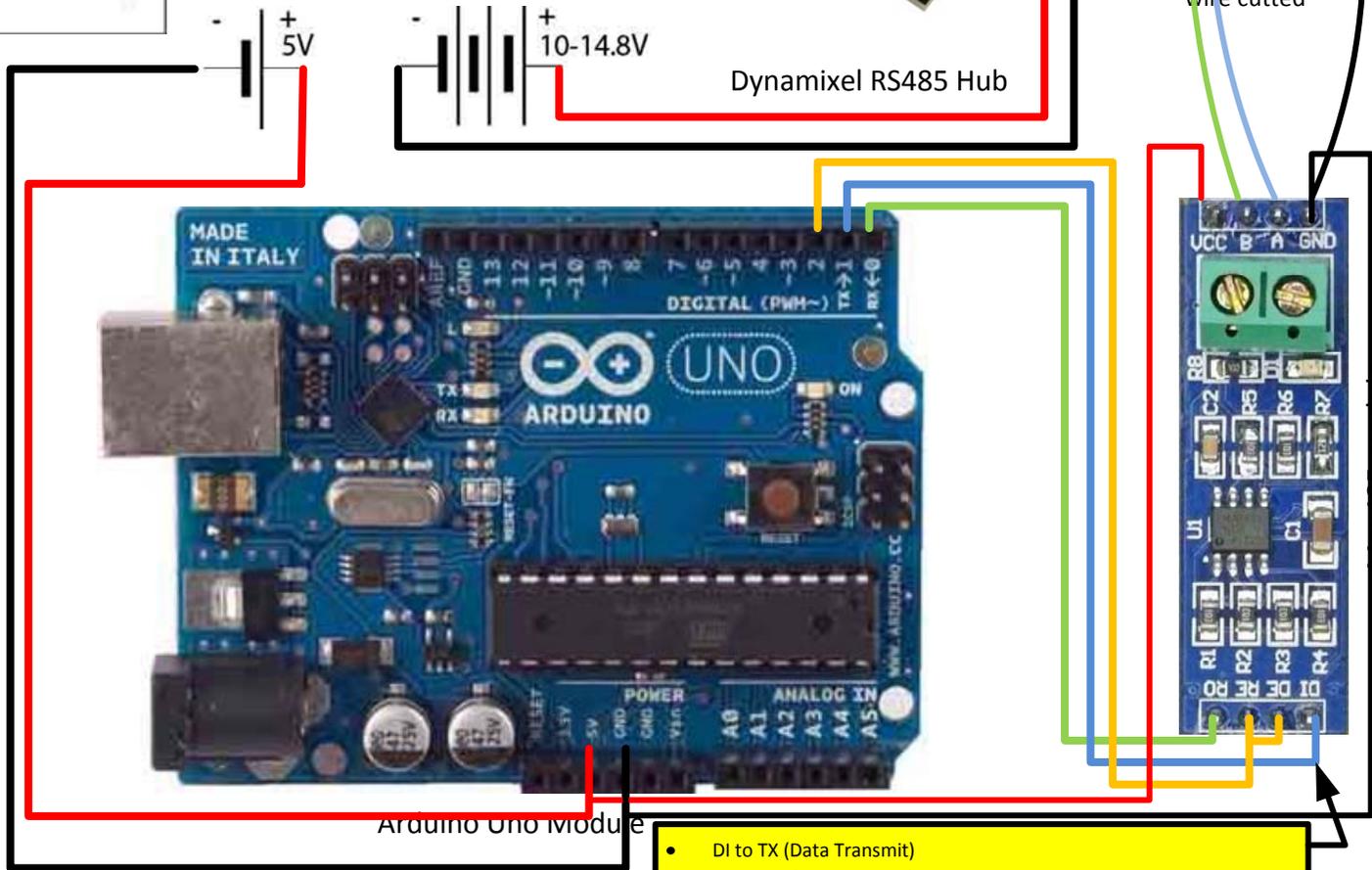
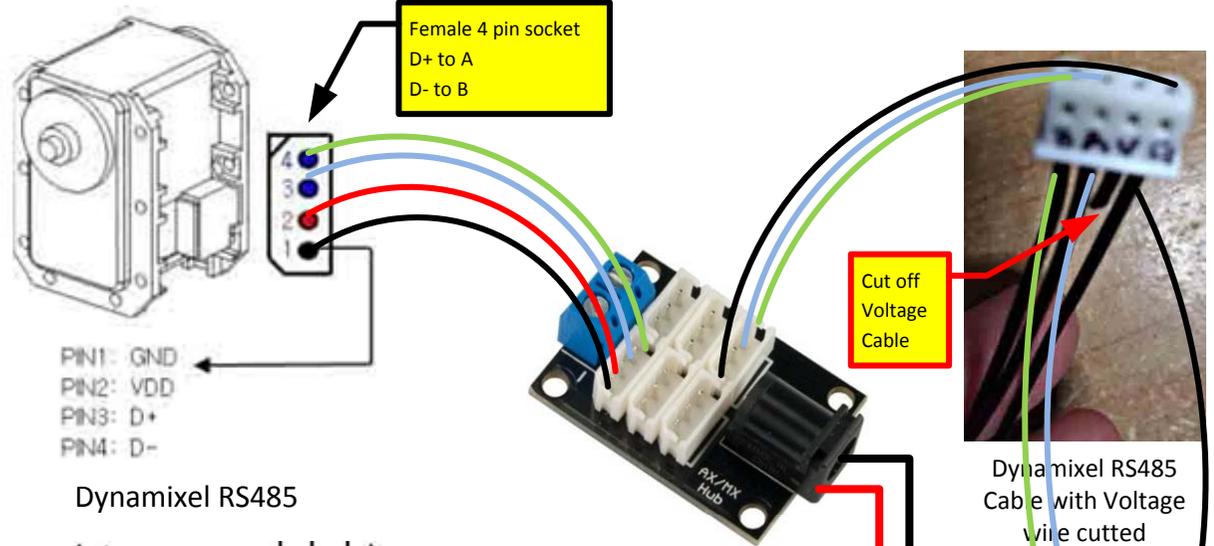


Max485 module board has all resistors, diode, and capacitors required by above overall schematic from ebay for less than USD\$1

Dynamixel RS485 with Arduino using TTL to Max485 Module.
 Code library from Savage Electronics can be downloaded at <http://sourceforge.net/projects/dynamixelforarduino/files/?source=navbar>

IMPORTANT

Dynamixel RS485 hub is nice to have to ensure you don't flip the 4 pins from power to servo, or you will fry your communication module in the servo with 14v directly into D+ pin. Just make sure servo power is isolated for servo only, cut off the Voltage pin on the wire from Hub to Max485 module or you will fry your arduino and Max485 module.



- DI to TX (Data Transmit)
- RO to RX (Data Receive)
- DE/RE to Digital Output Pin 2, Direction Read/Write Control Pin