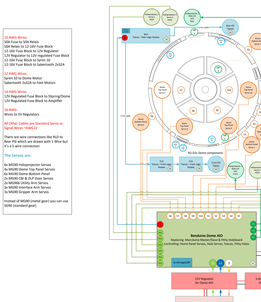
BENS R2-D2 ELECTRONIC DIAGRAM FOR ASTROCOMMS & BENDUINO WITH SHADOWMD V1.0 – 20201111

www.printed-droid.com

Warning ! tried to do my best with verifying that my connections are correct. But please don't rely on this diagram to 100% and make sure that your connections are ok.

When it comes to troubleshooting remove everything and add one item at a time. Verify everything. Add items until you run into trouble and then investigate the last added item!

The latest diagrams and files can always be found here:
http://www.printed-droid.com/files/



Links to Firm- & Softwares:

Arduino IDE:
https://osmocom.net/trodata/ZHX650K_HP/
https://forum.arduino.cc/index.php?topic=221589.5%2000#.Wm0zDKhG3mE

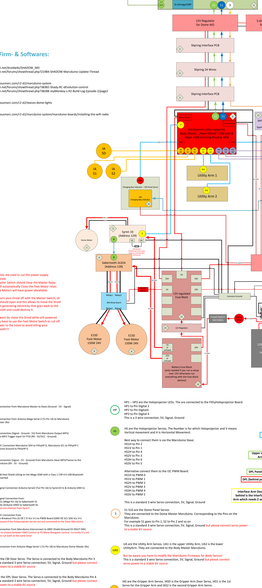
Mega Library:
https://www.curiousmarc.com/r2-d2/marcduino-update
https://github.com/marcduino/Marcduino-Mega-Sketch/tree/Mega_ATT_Bluetooth_Control
https://osmocom.net/forks/marcduino/tag/738/i686-multilib/entry/v1.91-Kevin-Jay-Episode-1/raw/r2

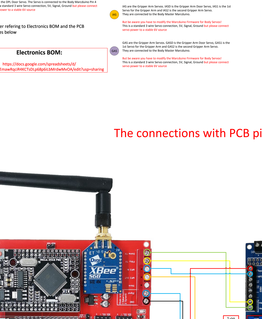
Teeces:
https://www.curiousmarc.com/r2-d2/teeces-dome-lights

MSE:
https://www.curiousmarc.com/r2-d2/marcduino-update/marcduino-boards/installing-the-wifi-radio

Info & GPIO:

Bluetooth:

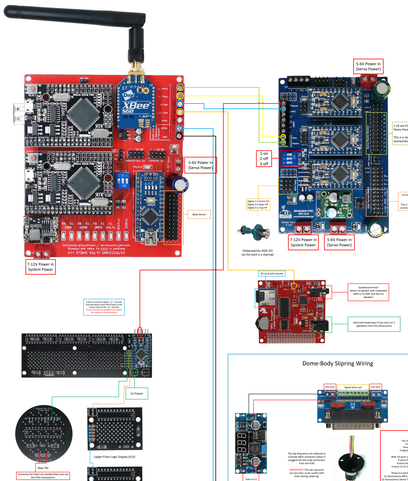


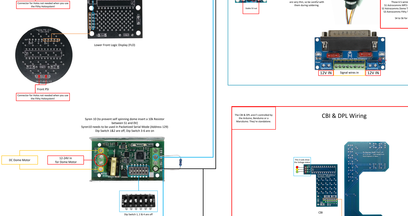


Electronics BOM:

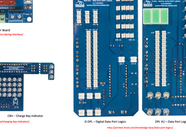
https://docs.google.com/spreadsheets/d/1ETwtwKSDgFnuwNqUNNG7UOLp0qbGCbAh1bwMvOAJIo0/edit?usp=sharing

The connections with PCB pictures:





Dome-Body Sliping Wiring



CBI & DPL Wiring

Those are almost all PCBs listet in the Diagram above