Bens R2-D2 Electronic Diagram for the Astrocomms Mega Shield PRO
v1.1 - 03/2020
www.printed-droid.com

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

The Astrocomms Mega Shield Pro allows simultaneous connection and use of the Controller and the Smartphone app to trigger the Marcduino and Flthy Holoprojector System. Bevor that you had to decide if you want the app or the controller - or use a switch to toggle between them.

Basically it just sits like an interpreter betweeen the Body Arduino (running Shadow MD), the Master Dome & Body Marcduinos and the Flthy Holoboard.
The Xbee is not longer directly connected to the Marcduino Dome Master. It's plugged into the Astrocomms Mega Shield.
Also the Flthy Holoboard is not longer connected to the Marcduino, it receives it's commands from the Astrocomms.

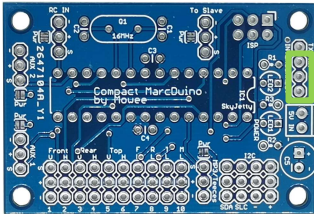It's working in real time with no noticeable latency! And there are much more features coming ☺

Spanish Thread: http://bit.ly/2RjzG5L
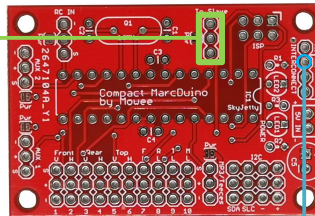
English Thread: http://bit.ly/2NTTlSj

https://www.printed-droid.com/kb/astrocomms-mega-shield/
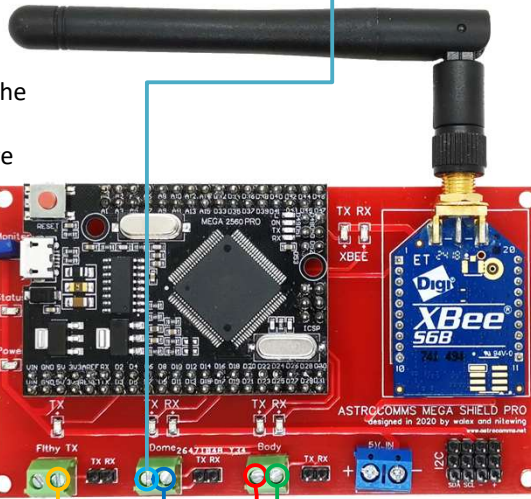
The Astrocomms Mega Shield Pro
was developed 2020 by walex & Nitewing
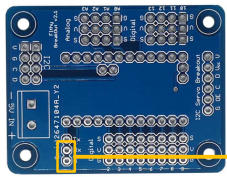
Please notice that this is just a basic wiring diagram. No servos etc. added as this information can be found in the big diagram

Marcduino Dome Slave

Marcduino Dome Master

Astrocomms Mega Shield Pro has the Mega 2560 Pro direct attached - running the Astrocomms Firmware
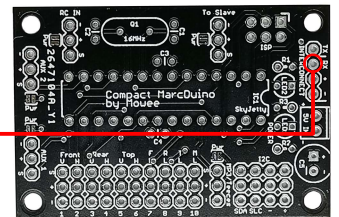
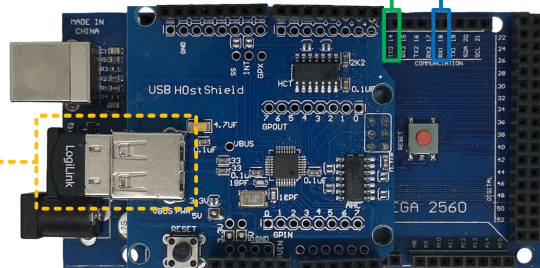The Xbee is direct attached to the Astrocomms Mega Shield Pro

Flthy Holo Board

Marcduino Body Master

Connected via Bluetooth

PS Move Navigation Controller

Body Arduino Mega 2560 with USB Host Shield and Bluetooth Dongle - running the Shadow MD Software