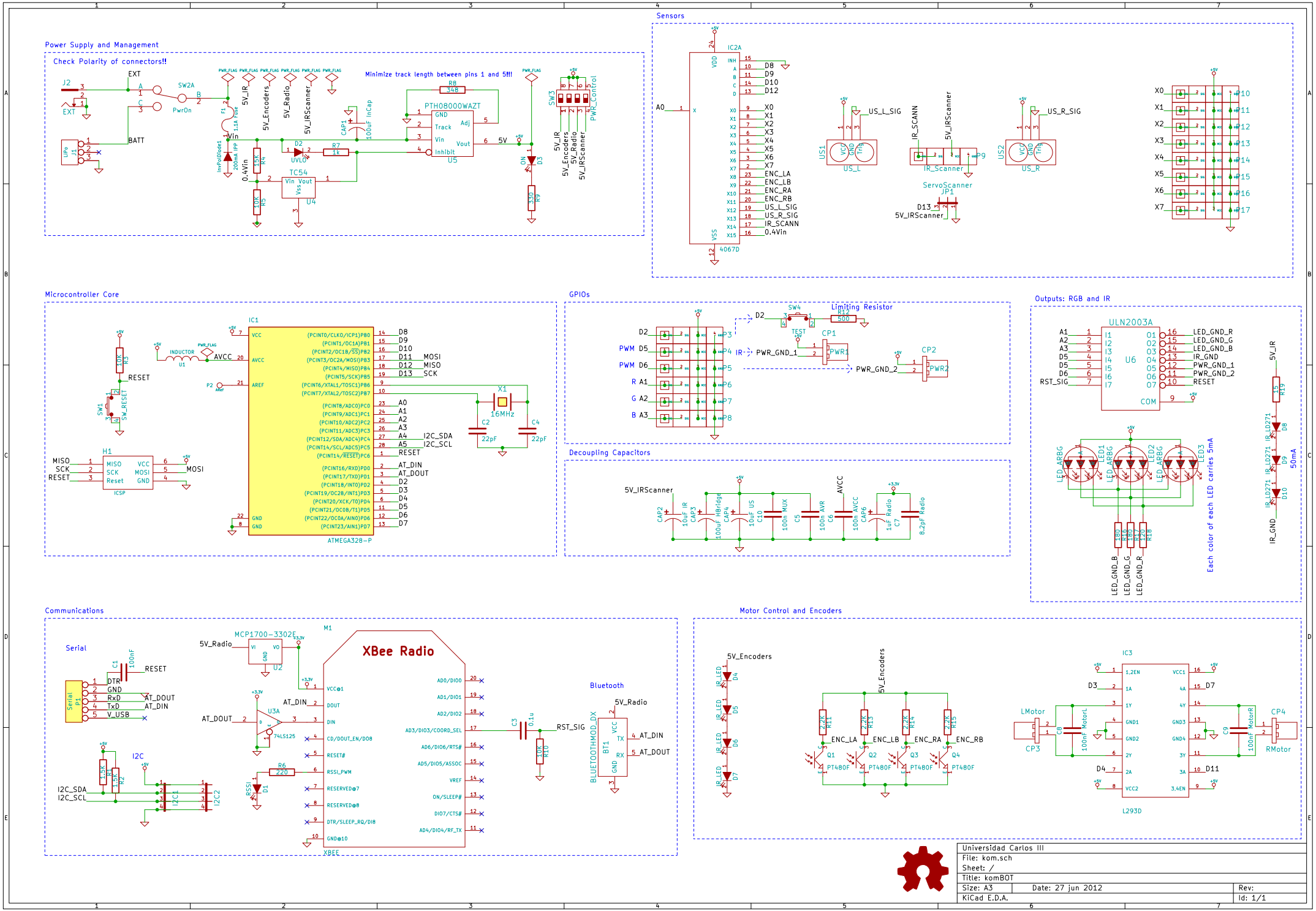
Power Supply and Management
Check Polarity of connectors!!
Minimize track length between pins 1 and 5!!!
PTH08000WAZT
U5
TC54
U4
Sensors
IC2A
4067D
ENC_LA
ENC_LB
ENC_RA
ENC_RB
US_L_SIG
US_R_SIG
IR_SCANN
IR_Scanner
ServoScanner
JP1
US_L
US_R
Microcontroller Core
IC1
ATMEGA328-P
ICSP
GPIOs
Limiting Resistor
Decoupling Capacitors
Outputs: RGB and IR
ULN2003A
U6
Each color of each LED carries 5mA
Communications
Serial
MCP1700-3302E
XBee Radio
XBEE
Bluetooth
Motor Control and Encoders
L293D
Universidad Carlos III
File: kom.sch
Sheet: /
Title: komBOT
Size: A3
Date: 27 jun 2012
Rev:
KiCad E.D.A.
Id: 1/1