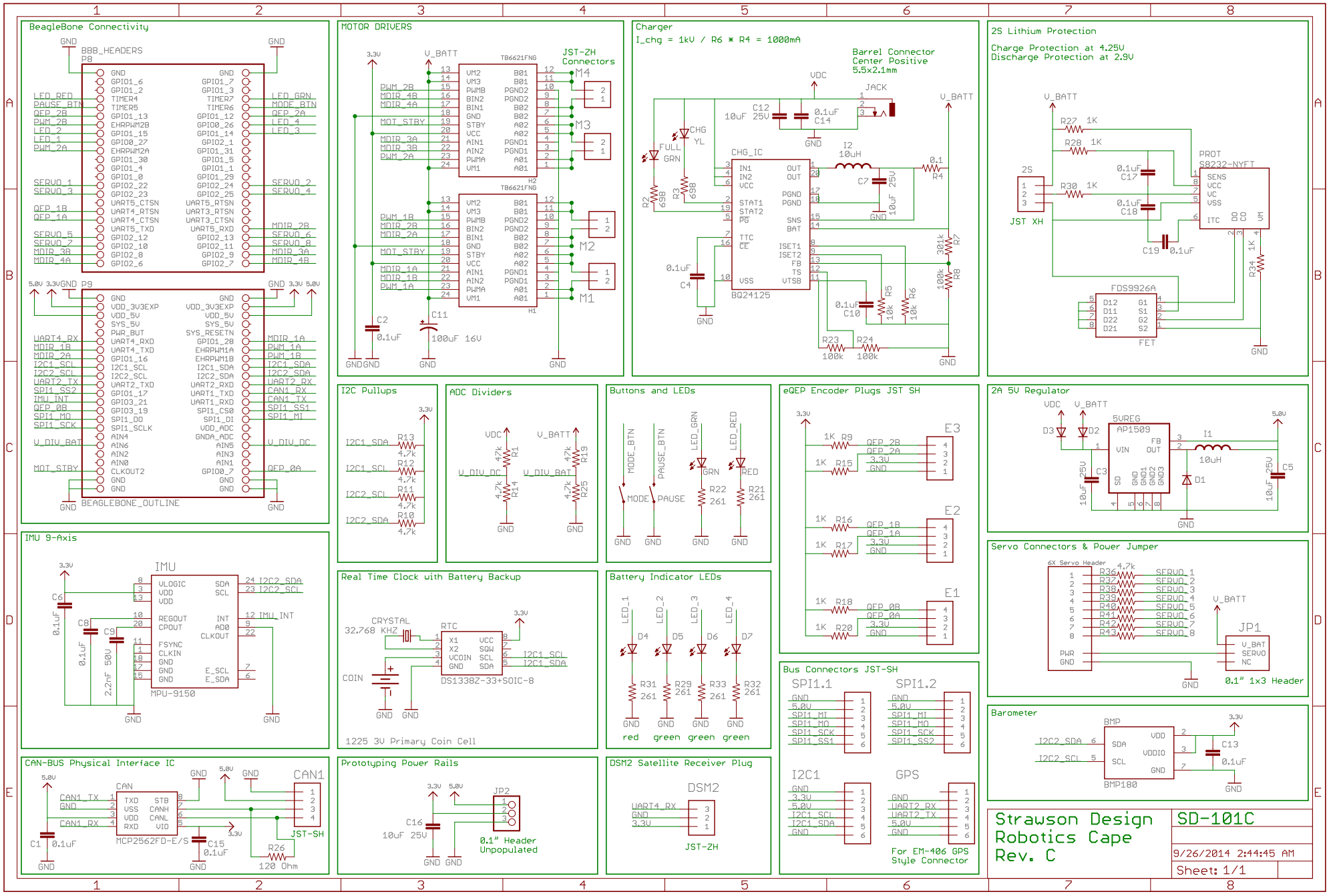
BeagleBone Connectivity
BBB_HEADERS
P8
P9
BEAGLEBONE_OUTLINE
MOTOR DRIVERS
TB6621FNG
JST-ZH Connectors
M1
M2
M3
M4
Charger
I_chg = 1kV / R6 * R4 = 1000mA
Barrel Connector Center Positive 5.5x2.1mm
JACK
BQ24125
2S Lithium Protection
Charge Protection at 4.25V
Discharge Protection at 2.9V
JST XH
PROT S8232-NYFT
FDS9926A
FET
I2C Pullups
ADC Dividers
Buttons and LEDs
eQEP Encoder Plugs JST SH
2A 5V Regulator
AP1509
IMU 9-Axis
MPU-9150
Real Time Clock with Battery Backup
DS1338Z-33+SOIC-8
1225 3V Primary Coin Cell
Battery Indicator LEDs
Servo Connectors & Power Jumper
6X Servo Header
JP1
0.1" 1x3 Header
Bus Connectors JST-SH
SPI1.1
SPI1.2
I2C1
GPS
For EM-406 GPS Style Connector
Barometer
BMP180
CAN-BUS Physical Interface IC
MCP2562FD-E/S
JST-SH
Prototyping Power Rails
0.1" Header Unpopulated
DSM2 Satellite Receiver Plug
JST-ZH
Strawson Design
Robotics Cape
Rev. C
SD-101C
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