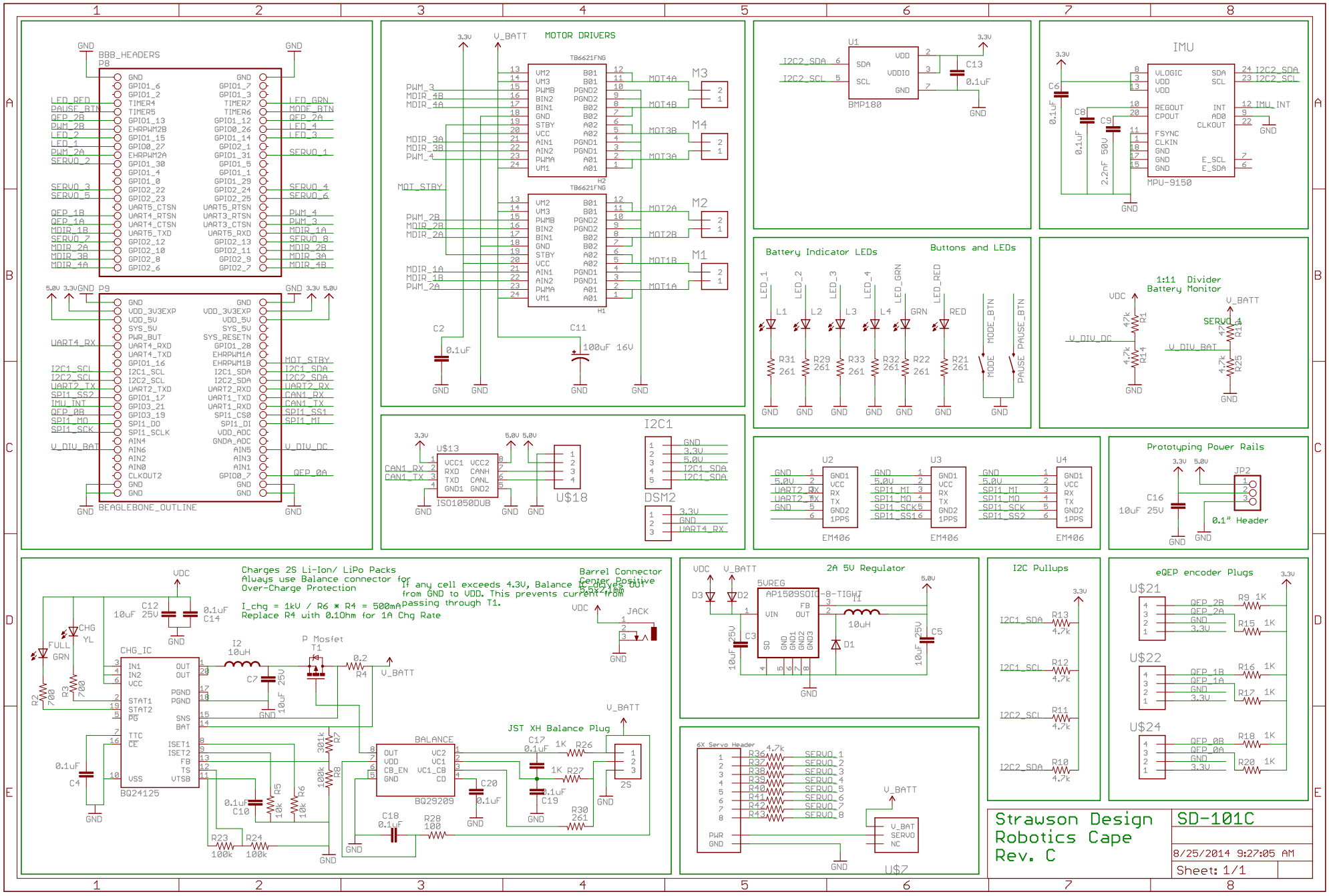
BBB_HEADERS
P8
P9
BEAGLEBONE_OUTLINE
MOTOR DRIVERS
TB6621FNG
M1
M2
M3
M4
BMP180
IMU
MPU-9150
Battery Indicator LEDs
Buttons and LEDs
1:11 Divider
Battery Monitor
ISO1050DUB
U$18
I2C1
DSM2
EM406
Prototyping Power Rails
0.1" Header
Charges 2S Li-Ion/ LiPo Packs
Always use Balance connector for
Over-Charge Protection
If any cell exceeds 4.3V, Balance IC bypasses out
from GND to VDD. This prevents current from
passing through T1.
I_chg = 1kV / R6 * R4 = 500mA
Replace R4 with 0.10hm for 1A Chg Rate
Barrel Connector
Center Positive
5.5x2.1mm
BQ24125
BQ29209
JST XH Balance Plug
2A 5V Regulator
AP1509SOIC-8-TIGHT
I2C Pullups
eQEP encoder Plugs
6X Servo Header
U$7
Strawson Design
Robotics Cape
Rev. C
SD-101C
8/25/2014 9:27:05 AM
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