FSQCall Telemetry Shield
For Arduino UNO R3

CN1
5 VDC
0 - 16V
0 - 16V
0 - 16V
0 -5A
Temp 1
Temp 2
GND

VCC

R1 220K
R4 220K
R5 220K

A0
A1
A2

C1 C2
GND

VCC

U$1
A0   RX
A1   TX
A2
A3   D2
A4   *D3
A5   D4
            *D5
            *D6
IOREF   D7
RES   D8
VIN   *D9
5V   *D10
3.3V   *D11
AREF   D12
GND   D13
GND   SDA
GND   SCL
ARDUINO_R3_SHIELD

A3
A4
A5

R8 100K R9 100K R10 100K
GND

VCC

Optional ADC Filter

C4
GNDGND

R2 100K
R3 100K
GND

LM358
IC2G1
GND

LM358
IC2G2

R6 100K

100K
R7

LM358
IC1G1
GND GND

VCC

JP1
R13 100K
GND

C3

Optional Configuration:
Remove IC1
R6 = 220K
Jumper across R7
Install JP1

100K
R11

100K
R12
GND

SPARE

IC1G2
LM358

SW1
MSB
LSB
NC
NC
GND

J1 SpareD8 GND
J2 SpareD9 GND
J3 SpareD10 GND
GND

TITLE:	FSQCall Telemetry Shield	
Document Number:		REV: 0.3
Date: 7/18/16 10:39 AM		Sheet: 1/1