CaspiQuad 1
Arduino Proto Shield
Dror Caspi, November 11, 2009

Arduino Proto Shield

Power
6 RESET
5 VCC30
4 +5V
3 GND
2 GND
1 VIN

+5V

In U1 Out
LF33ARV
GND

+3.3V

C4
47uF

+5V

2
1 + −

Buzzer

Q1
BS107

R7
10KΩ

ICSP
6 5 RESET
4 3 SCK
2 1 MISO

R6
1.2KΩ
+3.3V

+3.3V

6 3.3V   Acc 1
5 GND   LISY302DL
4 SCL   Breakout
3 SDA   Board
2 SDO   INT2 2
1 CS   INT1 1

Digital 2
8 AREF
7 GND
6 D13
5 D12
4 D11
3 D10
2 D9
1 D8

+3.3V +3.3V

R5   R4
1.2KΩ   1.2KΩ

Analog
6 A5
5 A4
4 A3
3 A2
2 A1
1 A0

+3.3V

5 3.3V   Gyro 3
4 GND   Pitch
3 OUT   LISY300AL
2 PD   Breakout
1 ST   Board

C1
100nF

R1
33KΩ

Digital 1
8 D7
7 D6
6 D5
5 D4
4 D3
3 D2
2 D1
1 D0

+3.3V

5 3.3V   Gyro 2
4 GND   Roll
3 OUT   LISY300AL
2 PD   Breakout
1 ST   Board

C2
100nF

R2
33KΩ

+3.3V

5 3.3V   Gyro 1
4 GND   Yaw
3 OUT   LISY300AL
2 PD   Breakout
1 ST   Board

C3
100nF

R3
33KΩ

5V GND RX TX

1 2 3 4 5 6 BlueSMiRF