Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!
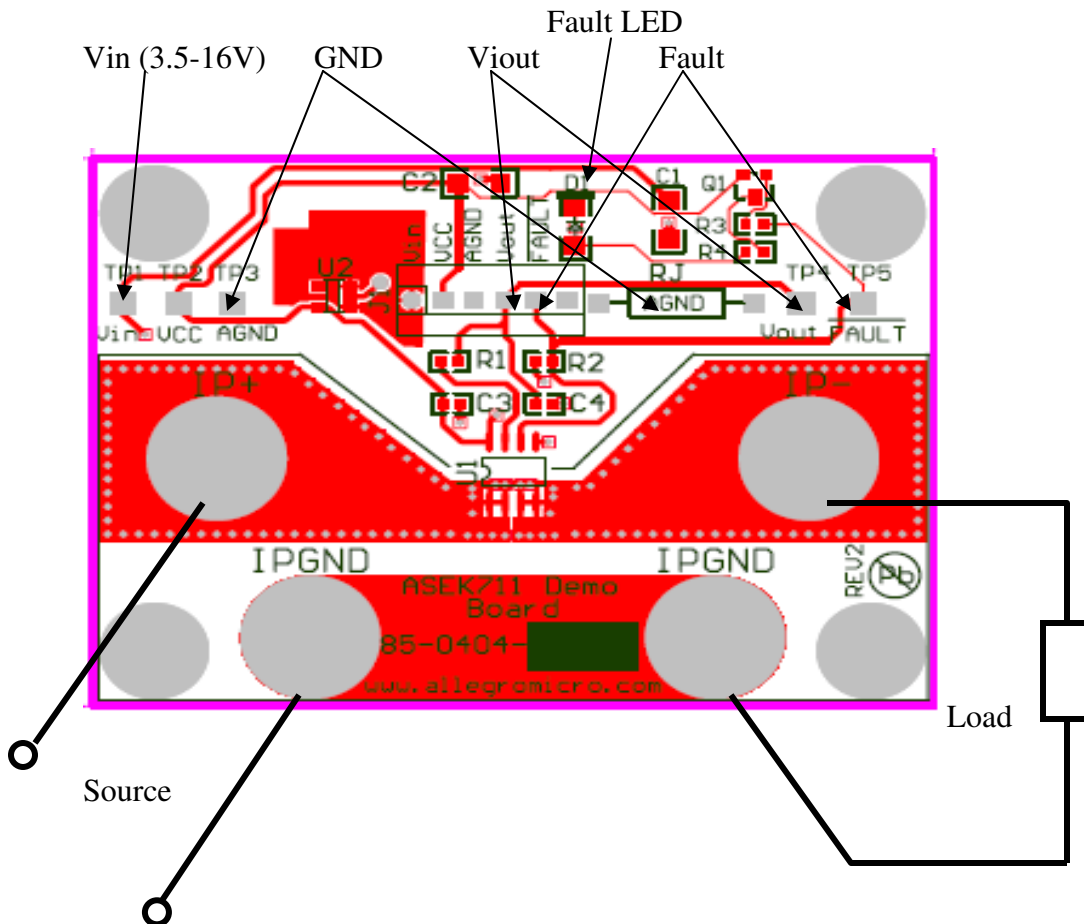

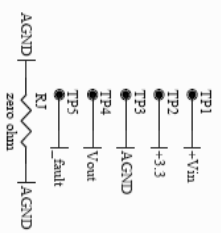## Contact us

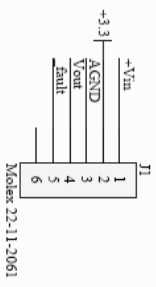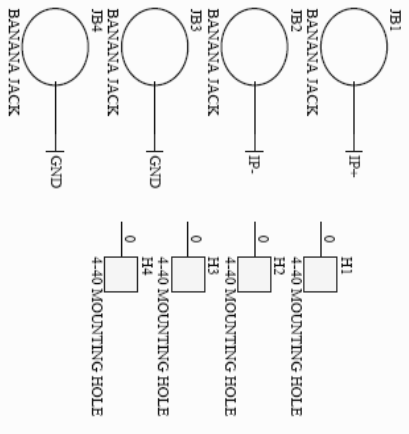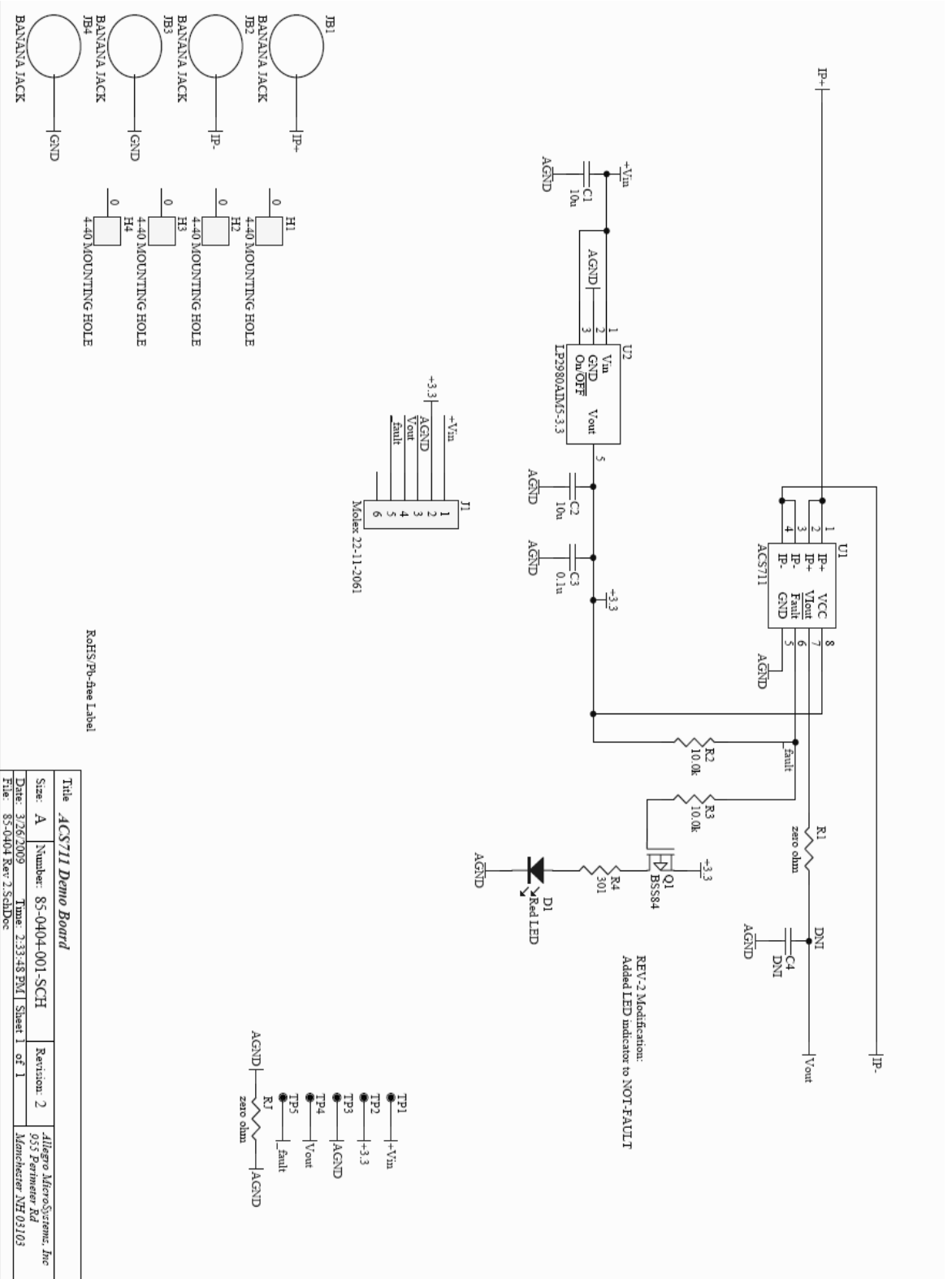Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
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ACS711 Demo Board User Instructions

- The following picture is the top view of the demo board with explanations pointed to each test point hook up and socket pin, and the connection diagram in a typical application.

- On board 3.3V voltage regulator U2 input voltage (Vin) range: 3.5-16V.

- No external pull up resistor is needed for Fault pin as a 10k pull up resistor is already installed on board.

- Once the sensor faulted (Fault signal went low and Fault LED lights on) the only way to reset the fault is to reset Vcc.

- See ACS711 Data Sheet for detailed information. See next page for board schematic.

IP+

IP-

BANANA JACK
JB1

BANANA JACK
JB2

BANANA JACK
JB3

BANANA JACK
JB4

IP+

IP-

GND

GND

H1
4-40 MOUNTING HOLE

H2
4-40 MOUNTING HOLE

H3
4-40 MOUNTING HOLE

H4
4-40 MOUNTING HOLE

RoHS/Pb-free Label

+Vin
AGND
C1
10n

U2
1 Vin
2 GND
3 On/OFF
Vout
AGND
LP2980AIM5-3.3

J1
1
2
3
4
5
6
+Vin
AGND
Vout
fault
+3.3
Molex 22-11-2061

AGND
C2
10n
5

AGND
C3
0.1u
+3.3

U1
1 IP+
2 IP+
3 IP-
4 IP-
8 VCC
7 Vout
6 Fault
5 GND
ACS711
AGND

R2
10.0k
fault

R3
10.0k

Q1
BSS84
+3.3

R4
301
D1
Red LED
AGND

R1
zero ohm

C4
DNI
AGND
DNI

Vout

IP-

REV-2 Modification:
Added LED indicator to NOT-FAULT

TP1 +Vin
TP2 +3.3
TP3 AGND
TP4 Vout
TP5 fault

R5
zero ohm
AGND
AGND

Title: ACS711 Demo Board
Number: 85-0404-001-SCH
Size: A
Revision: 2
Date: 3/26/2009
Time: 2:33:48 PM
File: 85-0404 Rev 2.SchDoc
Sheet 1 of 1
Allegro MicroSystems, Inc
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