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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

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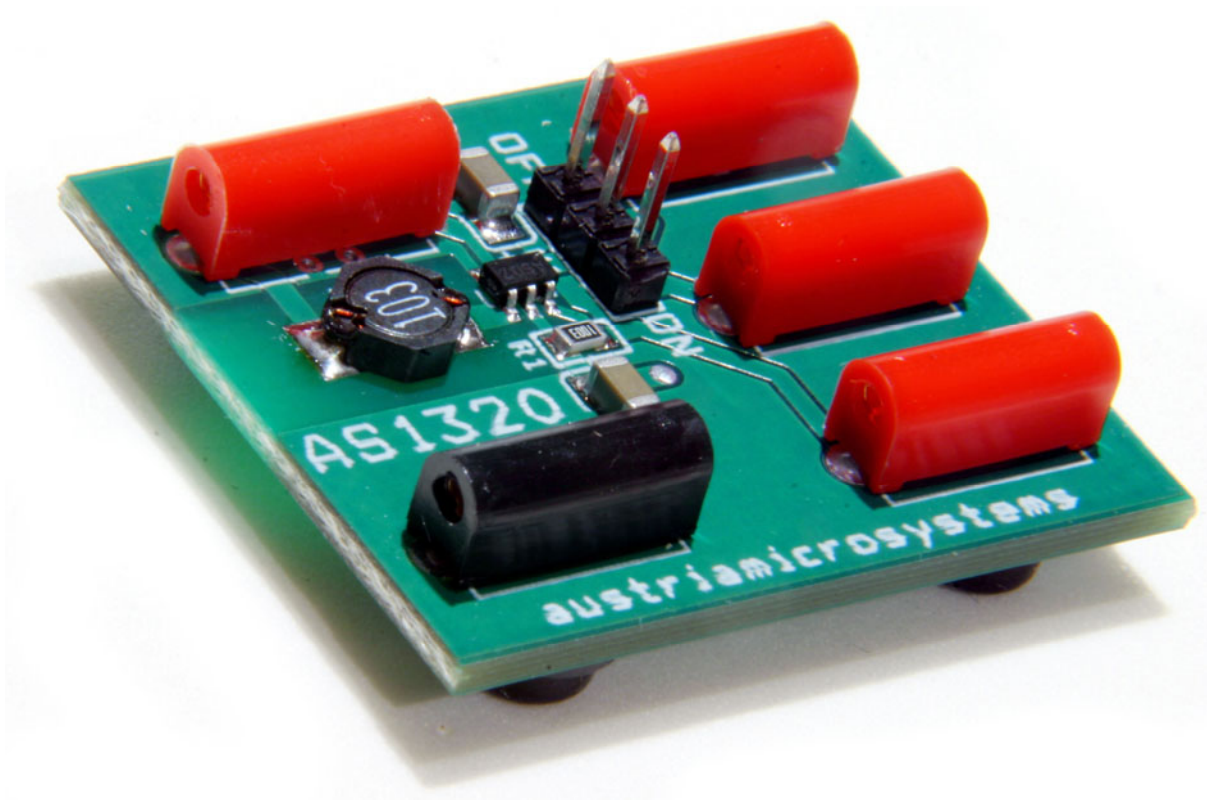
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AS1320

Demoboard Application Note



General Description

Jumper Description

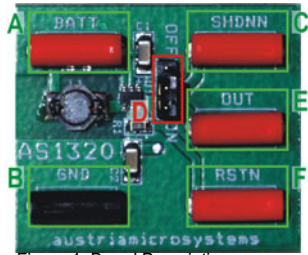


Figure 1: Board Description

Label	Jumper	Description	Info
A	BATT	Power Supply Connectors for VBATT and Ground.	+1.5V to +3.5V
B	GND		
C	SHDNN	Active-Low Logic Shutdown Input	1/ON = The AS1320 is on.
D	OFF/ON	SHDNN Shutdown Jumper	0/OFF = The AS1320 is off and the current into BATT is $\leq 1 \mu\text{A}$ (typ).
E	OUT	Power Output Connector	Fixed power output of 3.3V
F	RSTN	Active-Low Reset Output Connector	

Operational sequence

1. If not present get the datasheet for the AS1320 from www.austriamicrosystems.com. Drive the IC on the Demoboard only with the recommended settings and values as described in the datasheet.
2. Connect a +1.5V to +3.5V power supply (BATT "A" and GND "B").
3. Perform measurements at the output OUT "E"

Have fun using the Demoboard. If there are questions do not hesitate to contact us. See contact information at the end of the application note.

Layout of demoboard

Board schematics and layout

Figure 2: Schematics

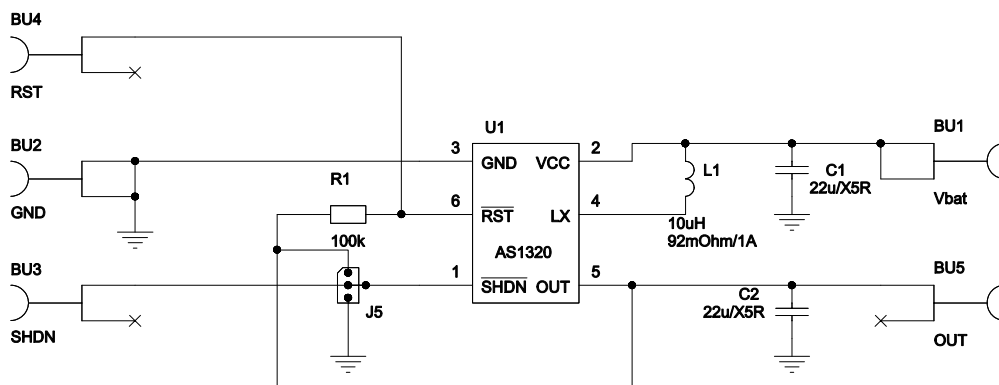


Figure 3: Top view

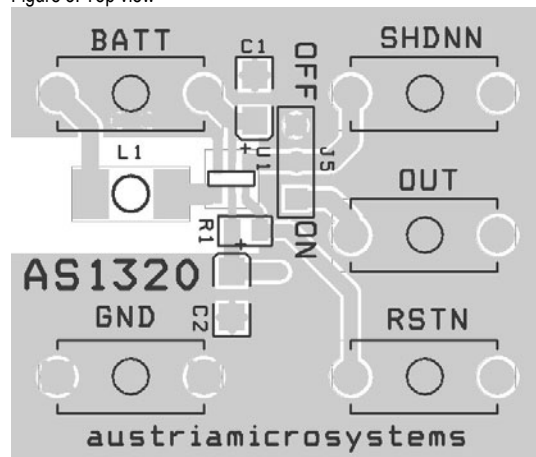
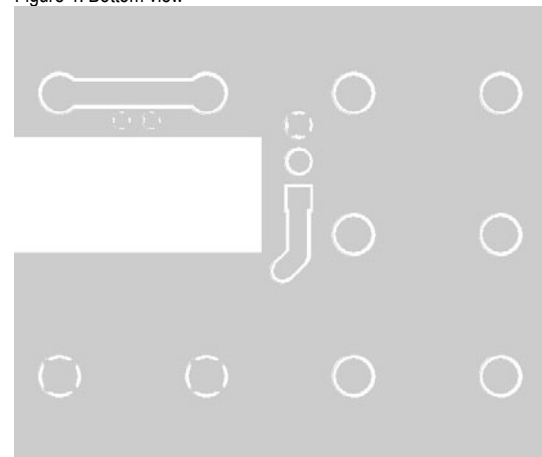
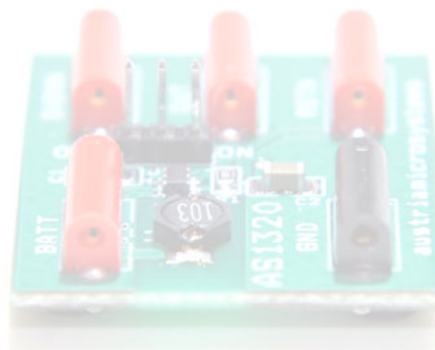


Figure 4: Bottom view



Assembly List

Label	Value	Type
C1	22uF	1206 X5R Ceramic
C2	22uF	1206 X5R Ceramic
L1	10uH	MOS6020-103



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