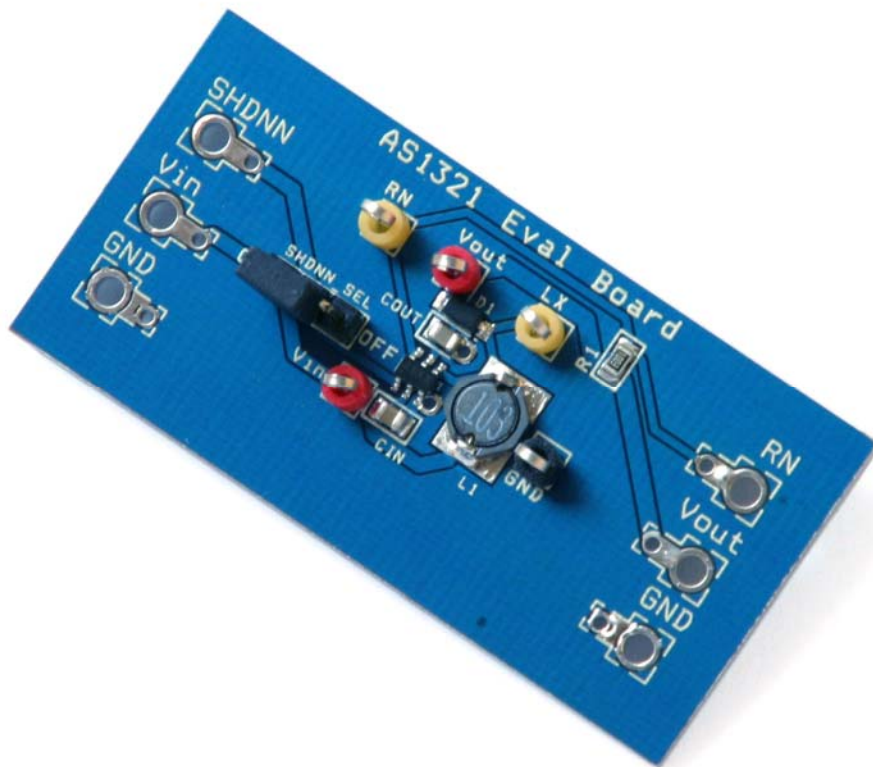# AS1321

Evaluation Board Application Note
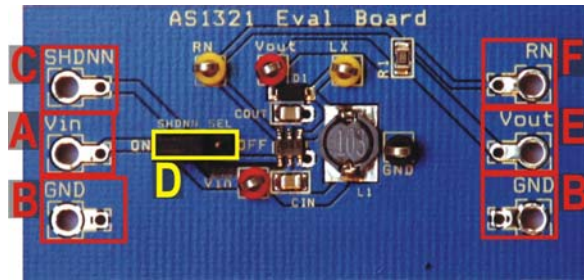
General Description

Board Description

Figure 1: Board Description - Connector

Figure 2: Board Description – Measurement Points

Connector Description

Label	Jumper	Description	Info	
A	Vin	Power Supply Connectors for Vin and Ground.	+1.5V to +5.0V	
B	GND			
C	SHDNN	Active-Low Logic Shutdown Input		1/ON = The AS1321 is on.
D	On / Off	SHDNN Shutdown Jumper		0/OFF = The AS1321 is off and the current into Vin is ≤1µA (typ).
E	Vout	Power Output Connector	Fixed Output Voltage of 5.0V	
F	RN	Active-Low Reset Output Connector		

Measurement Points

Label	Jumper	Description	Info
G	RN	Active-Low Reset Output Connector	
H	Vout	Power Output Connector	
I	LX	External Inductor	Measurement Points
J	Vin	Power Supply Connectors for Vin and Ground.	
K	GND		

Operational sequence

1. If not present get the datasheet for the AS1321 from www.austriamicrosystems.com. Drive the IC on the evaluation board only with the recommended settings and values as described in the datasheet.

2. Connect a +1.5V to +5.0V power supply (Vin "A" and GND "B").

3. Perform measurements at the measurement points.

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.

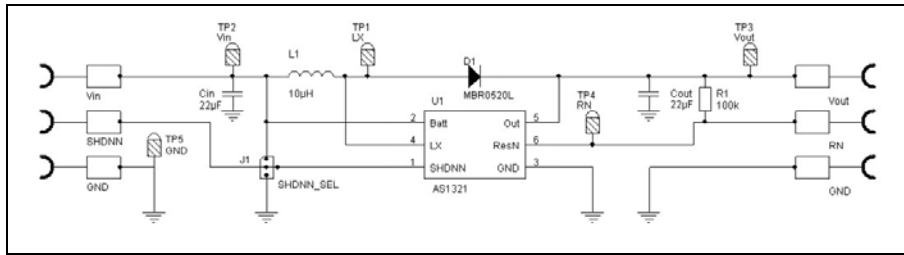# Layout of demoboard

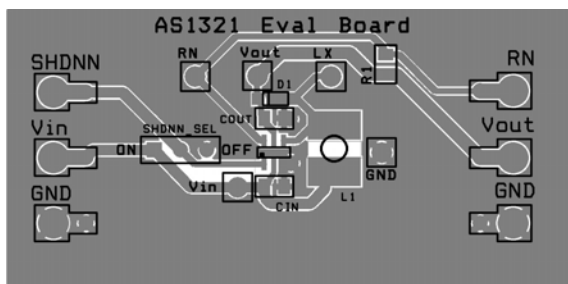## Board schematics and layout

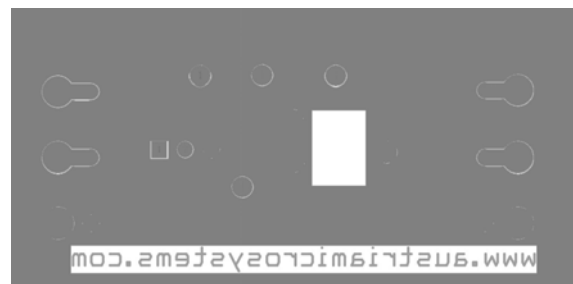Figure 3: Schematic

Figure 4: Top View

Figure 5: Bottom View

Assembly List

Label	Info	Type	Manufacturer
Cin	22µF, 6.3V, 0805, X5R	GRM21BR60J226ME39L	Murata
Cout			
L1	10µH, 0.95A, 0.092Ω	MOS6020-103MLB	Coilcraft

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