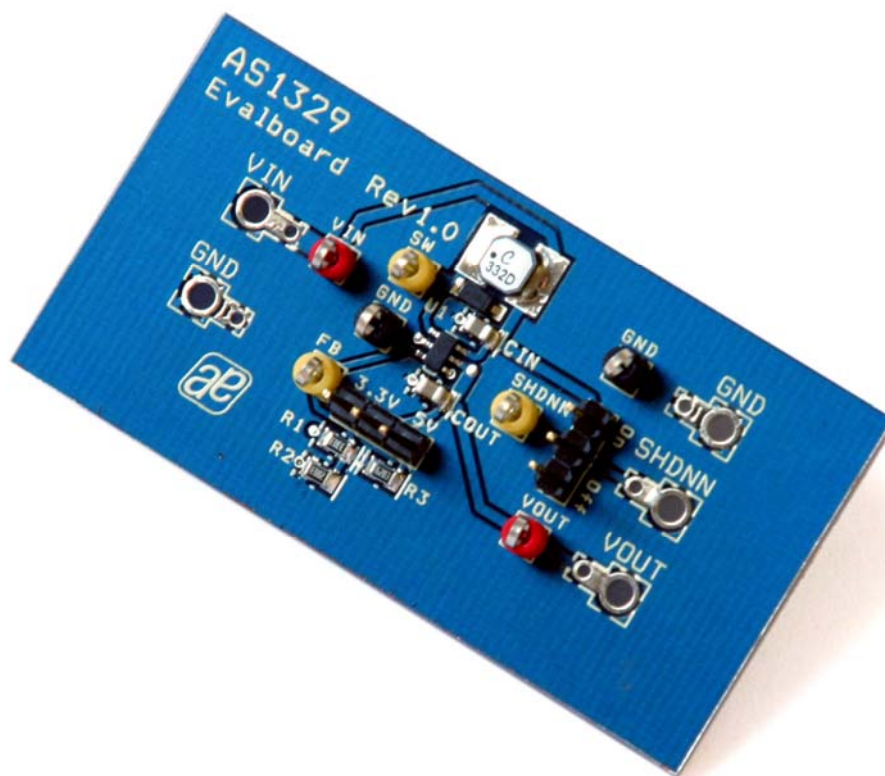


AS1329

Evaluation Board Application Note



General Description

Board Description

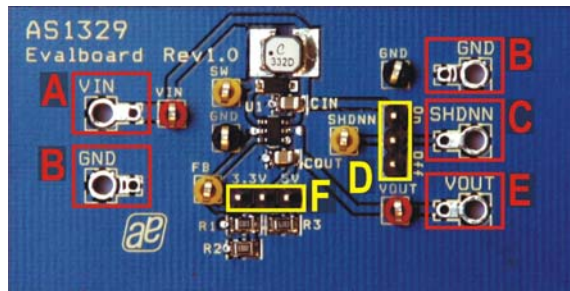


Figure 1: Board Description - Connector

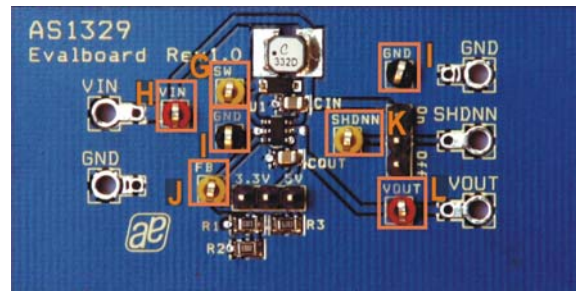






Figure 2: Board Description - Measurements Points

Connector Description

Label	Jumper	Description	Info	
A	Vin	Power Supply Connectors for Vin and Ground.	+0.85V to Vout	
B	GND			
C	SHDNN	Active-Low Logic Shutdown Input		1/ON = The AS1329 is on.
D	On / Off	SHDNN Shutdown Jumper		0/OFF = The AS1329 is off and the current into Vin is $\leq 1\mu\text{A}$ (typ).
E	Vout	Power Output Connector		3.3V = Fixed Output Voltage 3.3V
F	3.3V / 5V	Output Voltage Jumper		5V = Fixed Output Voltage 5.0V

Measurement Points Description

Label	Jumper	Description	Info
G	SW	External Inductor	Measurement Points
H	Vin	Power Supply Connectors for Vin and Ground.	
I	GND		
J	FB	Feedback Voltage Connector	
K	SHDNN	Active-Low Logic Shutdown Input	
L	Vout	Power Output Connector	

Operational sequence

1. If not present get the [datasheet for the AS1329](https://www.austriamicrosystems.com) 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 +0.85V to Vout 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

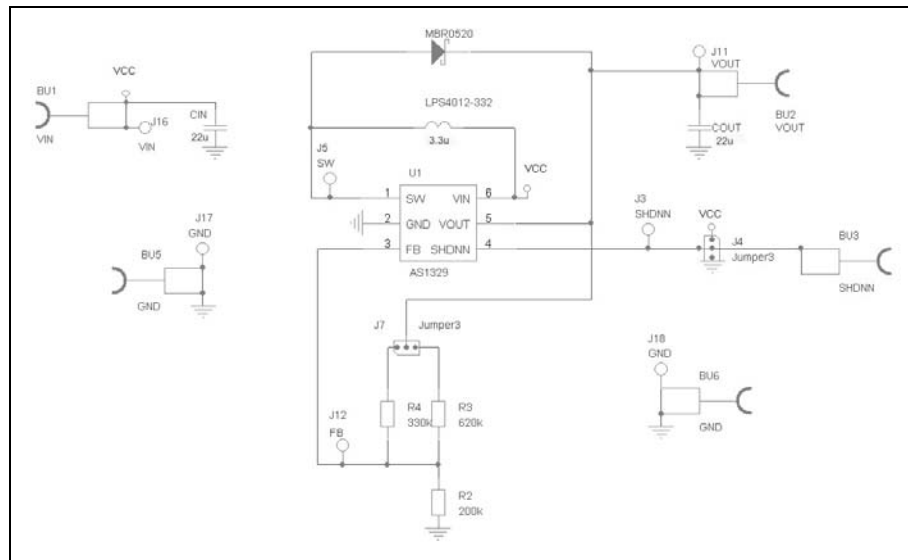


Figure 3: Schematics

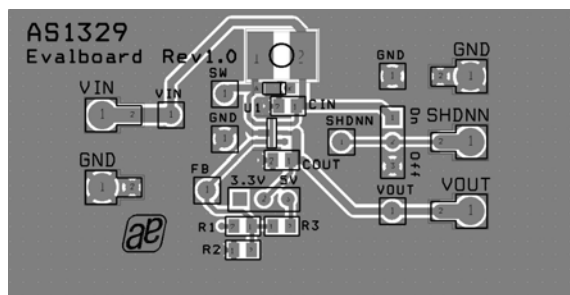


Figure 4: Top view

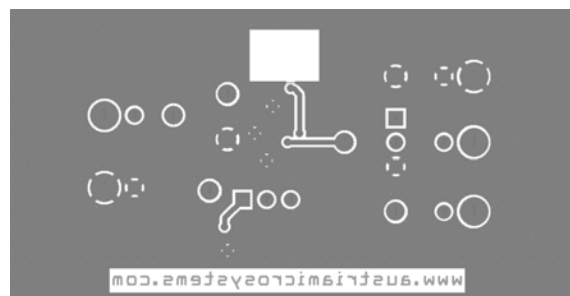


Figure 5: Bottom view

Assembly List

Label	Info	Type	Manufacturer
Cin	22µF, 6.3V, 0805, X5R	GRM21BR60J226ME39L	Murata
Cout	22µF, 6.3V, 0805, X5R	GRM21BR60J226ME39L	Murata
L1	3.3µH, 1.4A, 0.1Ω	LPS4012-332MLB	Coilcraft

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