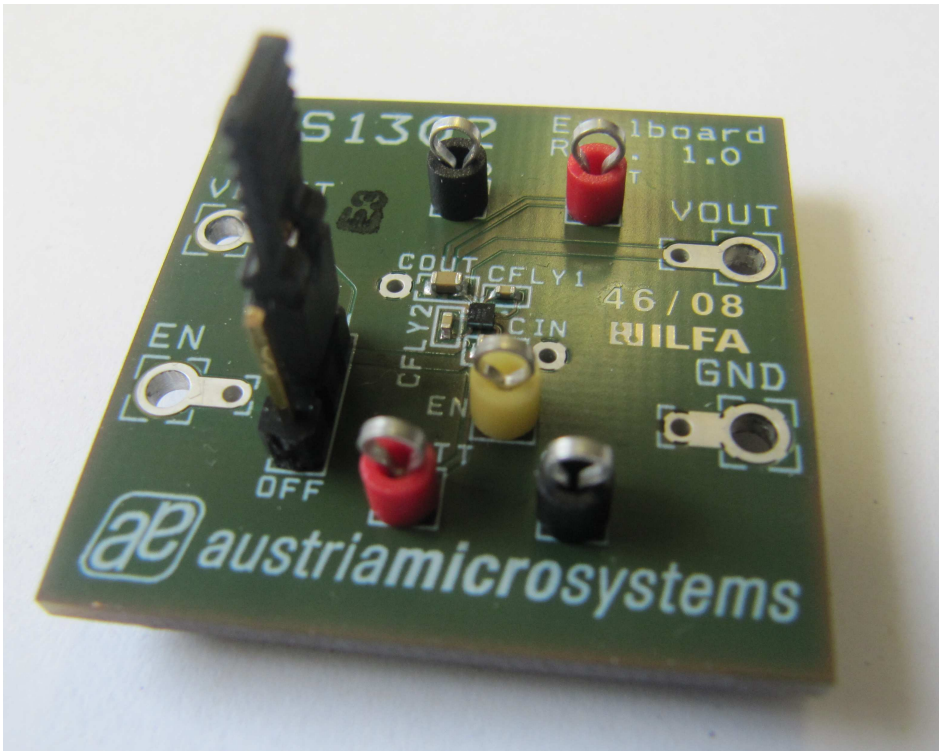
AS1302

Evaluation Board Application Note



General Description

Board Description

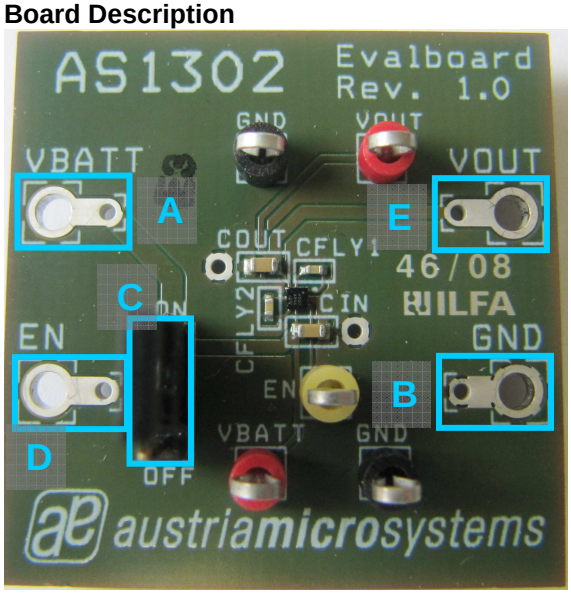


Figure 1: Board Description - Connectors

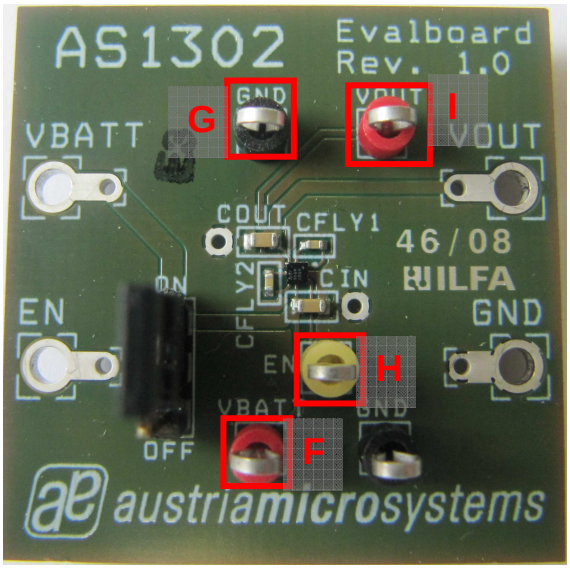


Figure 2: Board Description - Measurements Points

Connector Description

Label	Name	Description	Info
A	**VBATT**	Power Supply Connectors for Vbatt and Ground.	+2.9V to +5.15V
B	**GND**		
C	**OFF / ON**	EN Enable Jumper	OFF = The AS1302 is off ON = The AS1302 is on
			For external control remove jumper and connect control signal to the center connector.
D	**EN**	Enable Input Connector	(see OFF/ON Selection)
E	**VOUT**	Power Output Connector	

Measurement Points Description

Label	Name	Description	Info
F	**VBATT**	Power Supply Connectors for Vbatt and Ground.	Measurement Points
G	**GND**		
H	**EN**	Enable Pin	
I	**VOUT**	Power Output Connector	

Operational sequence

1. If not present get the datasheet for the AS1302 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 +2.9V to +5.15V power supply (Vbatt **"A"** and GND **"B"**).
3. Perform measurements at the measurement points.

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

Layout of Evaluation Board

Board schematics and layout

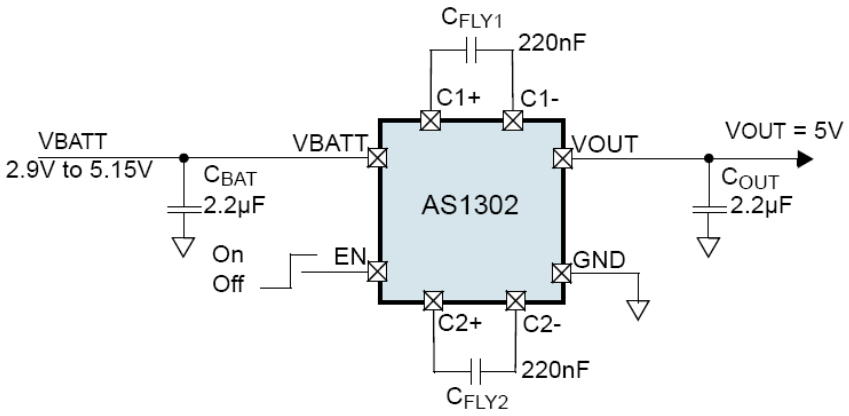


Figure 3: Schematics

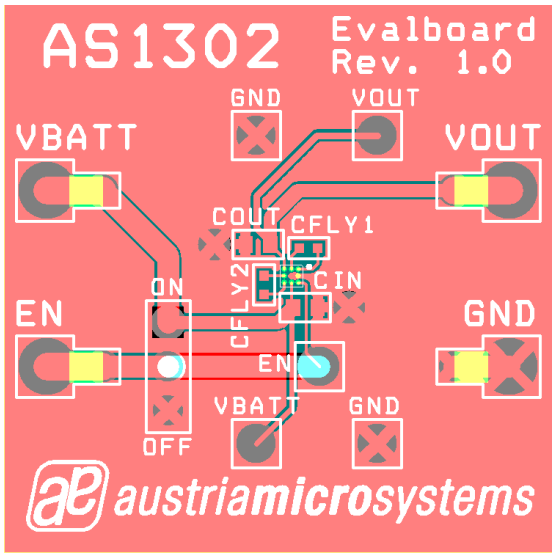


Figure 4: Top view

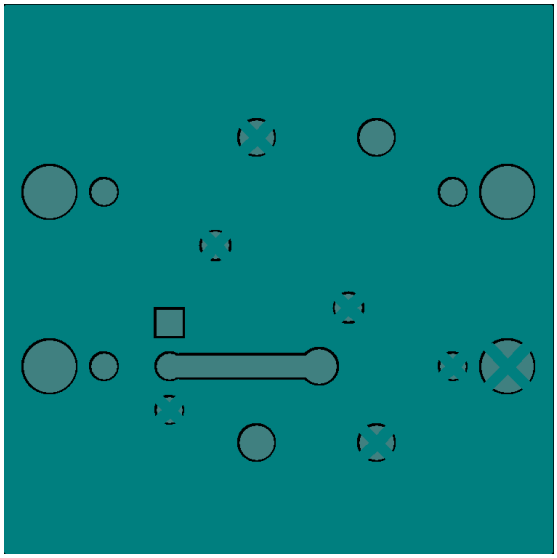


Figure 5: Bottom view

Assembly List

Label	Info	Type	Manufacturer
CIN, COUT	2.2µF, 16V, 0603, X5R	GRM188R61C225KE15	Murata
CFLY1, CFLY2	220nF, 10V, 0402, X5R	GRM155R61A224KE19	

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