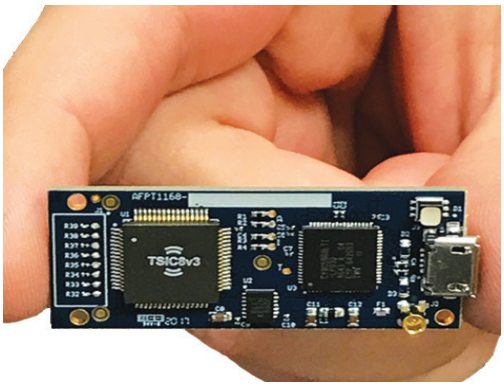
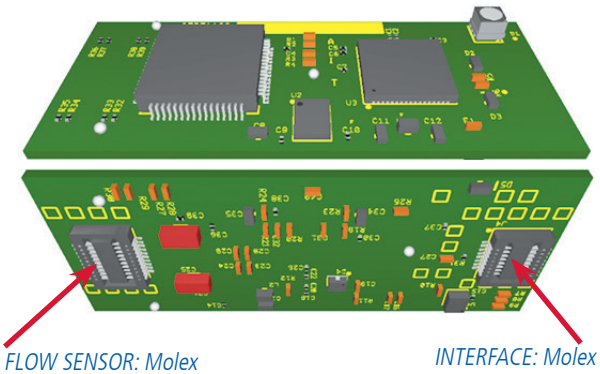
Transonic Inside ™ AFPT1168 Flowboard Technical Data Sheet

The *Transonic Inside* ™ AFPT1168 Flowboard is some of the newest technology Transonic has to offer. The AFPT1168 is designed for use with an external host controller. It can be paired with a clamp-on or inline Transonic flowsensor and integrated into virtually any OEM device. No onboard software/protocol validation required.



The small footprint of the AFPT1168 Flowboard makes it an attractive option when size and weight specifications are tight.



FLOW SENSOR: Molex SlimStack 20 pins (54722-0204)

INTERFACE: Molex SlimStack 16 pins (54722-0164)

Mechanical Specifications	
Physical Dimensions	1.75" x 0.70" x <0.25"
Weight	< 6 grams
Electical Specifications	
Power Consumption	< 0.25 W @ 5VDC
Input Voltage	5 VDC (±0.25V)
Transducer Frequency*	0.6 – 3.6 MHz
Communication Specifications	
Output Interface	SPI, UART (SCI)
Output Via	Command Response Interrogation or Streaming
Output Signals	Flow, Signal Quality, Phase
Performance Specifications**	
Maximum Offset	±2% of Scale Flow
Board Accuracy @ 37°C	±2% of offset corrected reading

***Transducer frequency refers to Transonic sensor sizes compatible with the AFPT1168. See Transonic sensor specifications for more information.
****For board only. Full system performance specifications are dependent on the sensor used.

The *Transonic Inside* ™ AFPT1168 Flowboard is available as an Evaluation Kit, designed to simplify testing and generate measurements with ease. Contact the *Transonic Inside* ™ team to learn more!

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