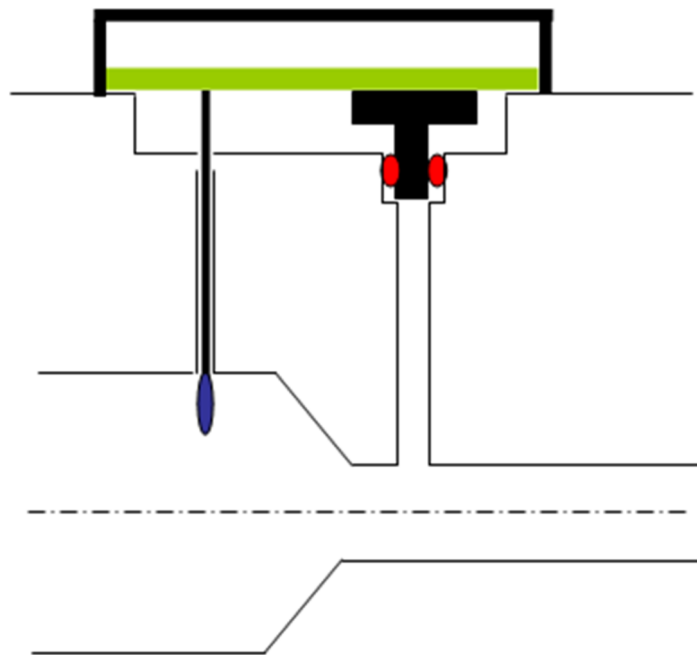


Mass Flow Sensor Board BRP_GEN4B

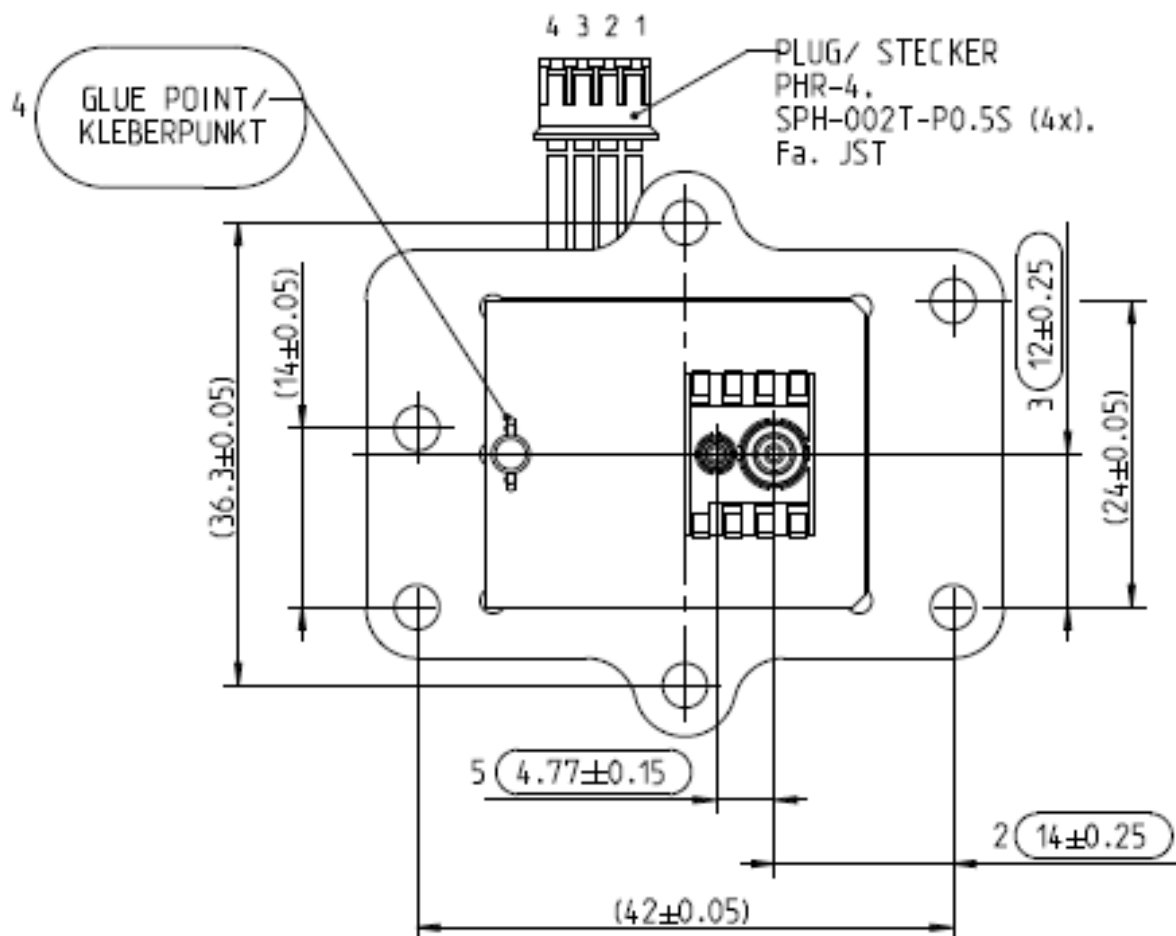


- Measures air flow combined with a venturi or nozzle probe, based on differential pressure principle.
- A high-performance variant of our robust TFI4B platform
- Housing design and dimensions can be largely customized.

Mass Flow Sensor Board BRP_GEN4B

- The board features an absolute pressure sensor, a differential pressure sensor and an NTC-temperature sensor, with the NTC bead placed directly in the airflow.
- An integrated microcontroller processes all sensor data and ensures precise measurement and transmission.
- Data is communicated efficiently via a CAN-Bus interface, enabling seamless integration into monitoring systems.

Sensor Dimension



Specification

Operating characteristics

Parameter	Symbol	Value			Unit
		min.	typical	max.	
Supply voltage stabilized; provided by ECU	U_s	4.75	5.00	5.25	V
Supply current at $U_s=5.0V$	I_s		25	50	mA
Pressure range	p_{abs}	0		14	bar,abs
Operation temperature	T	0		60	°C
Differential pressure	dp	-70		70	mbar

Maximum ratings

Parameter	Symbol	Value	Unit
Supply voltage	$V_{DD,max}$	6	V
Pressure	$p_{abs,max}$	14	bar
Temperature	$T_{,max}$	125	°C
	$T_{,min}$	-40	°C
Differential pressure	$dp_{,max}$	70	mbar
	$dp_{,min}$	-70	mbar

Connector

The connector at the sensor's cable is a 4pin JST PHR-4 type with SPH-002T-P0.5S contacts. The 4 cables are of type AWG 26 UL 1007/1569. The cable may be black or colored.

Function	Symbol	Cable Color Coding (if not black)	Pin Number
CAN High Line	CAN_H	Green	1
CAN Low Line	CAN_L	Yellow	2
Ground	GND	Black	3
+5V Power Supply	VDD	Red	4

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Questions?

Get in touch with us!
We're looking forward to speaking with you!