

# APPLICATION NOTE

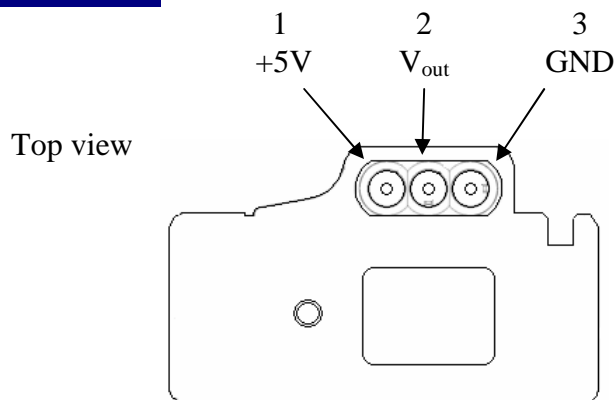
## Active manifold pressure sensor

AN-16 for TL-6624, TL-6724

### General Information

Recommended mounting procedure for the pressure sensor is to have the port pointing down within 30° of vertical. This will insure that any condensate or liquid in the line will drain away from the sensor cell. The pressure sensor should be mounted higher than the vacuum source to assist in draining the line. Maximum mounting torque 3,5Nm and have to be far from heating source.

### MAP Sensor Connection



Input Name	Output from sensor	EFIS & EMS INTEGRA TL-6624 and EMS INTEGRA TL-6724
Power for MAP sensor	1	P3 - 10
Manifold Press IN	2	P3 - 9
Manifold Press GND	3	P3 - 27

Applicable for: 6624-33; 6724-24

#### Technical information:

Type of Sensor: Genuine Delphi / GM 3 Bar Style Map Sensor

Operating pressure: 40 to 304 kPa

Operating voltage:  $5 \pm 0,36$  V

Operating temperature: -40 to 125 °C

Storage temperature: -50 to 150 °C

Over pressure: Twice of Max. Pressure

Current consumption: 20 mA

Pressure response time\*: 6 ms

Output noise\*\*: 10 mV

Leak rate: 1,7 kPa in 30s

\* 90% of steady state response to change to any operating pressure from any other operating pressure

\*\* Output noise defined as AC voltage >10KHz

#### Rev. A

Information furnished by TL elektronik is believed to be accurate and reliable.



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