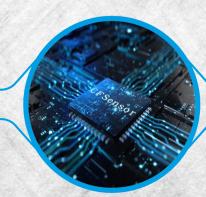






Gas Engine Application

New Energy Application



Entire Vehicle Subsystem

Sensor & Solution

GAS ENGINE APPLICATION



Gas Engine

Electric Controlling System

Engine Oil Pressure Sensor Intake Pressure & Temp. Sensor Crankshaft Position Sensor Camshaft Position Sensor Temperature Sensor

After-treatment System

DPF Sensor Urea Pressure Sensor

EVAP System

EVAP Pressure Sensor







NEW ENERGY APPLICATION I



New Energy

Driving Motor

Revolution Sensor



Power Battery

Battery Pack Pressure Sensor Battery Pack Temp. Sensor Current Sensor



NEW ENERGY APPLICATION I



Hydrogen Cell

Temperature Humidity Sensor Hydrogen Pressure Sensor Water Pressure Sensor Hydrogen Temperature Sensor Water Temperature Sensor



New Energy

SUBSYSTEM APPLICATION



Entire Vehicle Subsystem

ABS Wheel Speed Sensor Braking Air Pressure Sensor Steering System

Steering Wheel Angle

Braking System

Chassis Intelligent System

Inclination Sensor

Gearbox System

Gearbox Oil pressure Sensor Shift Position Sensor Input/output Revolution Speed Sensor

Intelligent Seat System

MEMS Pressure Sensor

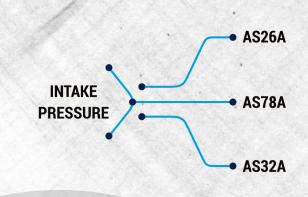




AS82A

EVAP

SENSOR & SOLUTION











INTAKE PRESSURE & SOLUTION I

| P/N | IMAGE | FEATURE | APPLICATION & SOLUTION | | |
|-------|-------|--|--|--|--|
| AS26A | | Range: 0kPa ~100kPa2500kPa Absolute pressure type Optional 3.3V or 5V power supply Optional custom output curve Optional custom pressure range Ceramic base structure, gel filled | SMT the sensor to PCB, then assemble PCB to housing as a finished products, which be assembled to Gas engine to measure the intake pressure. • Solution 1: Sensor as image • Solution 2: Sensor with PCBA | | |
| AS78A | | Range: 0kPa ~100kPa2500kPa Absolute pressure type Optional 3.3V or 5V power supply Optional custom output curve Optional custom pressure range SMD package, gel filled | • Solution 3: Finished Products | | |

INTAKE PRESSURE & SOLUTION II

| P/N | IMAGE | FEATURE | APPLICATION & SOLUTION | |
|-------|-------|---|---|--|
| AS32A | | Silicon piezoresistive technology Absolute pressure type Optional custom pressure range (0~100kPa700kPa2000kPa) Corrosion-resistant and high-tempresistant materials, including housing and gel Support over-voltage 28V protection Support reverse-voltage -28V protection PIN TO PIN as other brand AEC-Q103 certificated | SMT the sensor to PCB, then assemble PCB to housing as a finished products, which be assembled to Gas engine to measure the intake pressure. • Solution 1: Sensor as image • Solution 2: Sensor with PCBA • Solution 3: Finished Products | |



DPF PRESSURE & SOLUTION

| P/N | IMAGE | FEATURE | APPLICATION & SOLUTION | |
|-------|-------|---|--|--|
| AS45A | | Silicon piezoresistive technology Gage pressure type Optional custom pressure range (-1000kPa ~ 40kPa200kPa) Optional custom output range Corrosion-resistant to vehicle exhaust Ceramic base board package | SMT the sensor to PCB, then assemble PCB to housing as a finished products, which be assembled to vehicle frame to measure differential pressure of DPF or GPF exhaust gas from gas engines to confirm if the after treatment equipment is clogged • Solution 1: Sensor as image • Solution 2: Sensor with PCBA • Solution 3: Finished Products | |

ENGINE OIL PRESSURE & SOLUTION

| P/N | IMAGE | FEATURE | APPLICATION & SOLUTION | |
|-------|-------|---|---|--|
| AS46A | | Silicon piezoresistive technology Absolute pressure type Optional custom pressure range (0~100kPa700kPa2000kPa) Optional custom output range Sensor on top side and others component on back side High reliability Optional custom PCBA module Dimension φ10、φ18、φ18.8、φ19 | This product is a PCBA module, PCB assembled into the shell to become a finished product, product assembly installed in the internal combustion engine (such as gasoline, diesel, natural gas as fuel engines) oil sump or oil main line for pressure detection, or for the entire vehicle brake air pressure detection • Solution 1: Sensor with PCBA as image • Solution 2: Finished Products | |



ROTATION SPEED & SOLUTION



EVAP & SOLUTION

| P/N | IMAGE | FEATURE | | | APPLICATION & SOLUTION |
|-------|-----------|-----------------------------|---|--------|---|
| | | | | | This product is installed on the fuel pump, activated carbon tank or fuel |
| | 15-15 · X | Subject | Value | Unit | tank to detect the air pressure in the |
| | | Range | -3.75 ~ +1.25 (customized) | kPa | fuel tank and monitor the pressure |
| | | Output | 4.5 ~ 0.5 (customized with ratio output or fixed output) | V | change to determine whether there |
| | | Accuracy | ±1.5 | %Span | TO A STATE OF THE PROPERTY OF |
| | | Accuracy in Full Temp.Range | ±3 | %Span | is fuel vapor leakage. |
| 40004 | | Overload Pressure | 68 | KPa(G) | |
| AS82A | | Burst Pressure | 300 | KPa(G) | |
| | | Protection Grade | IP67 | | |
| | | Response Time | ≤2 | mS | |
| | | Clamp Vol.(up&down) | Customized as request. | | |
| | | Insulance | ≥10MΩ/500VDC | МΩ | |
| | | Working Temp. | -40 ~ 115 | ℃ | Solution 1: Finished Products |
| | | Store Temp. | -40 ~ 130 | °C | as image |
| X 6 | | | | | asage |



COOLANT PRESSURE & SOLUTION

| P/N | IMAGE | FEATURE | APPLICATION & SOLUTION | |
|---------|-------|---|---|--|
| ASPT11E | | Measuring coolant line pressure in water cooling systems Silicon Piezoresistive MEMS Technology 1.1 MPaA (customizable) Accuracy: ±1%FS at room temperature, ±3%FS at full temperature range Stainless steel isolation diaphragm scheme design, good resistance to long time water corrosion performance Internal integrated waterproof hammer impact solution | I: Water-cooled systems: For data centers, energy storage, battery management and other temperature control systems, this product is used in water-cooled systems to measure coolant pressure to evaluate the system's heat dissipation function. II: Air-cooling system and heat pump management system: Measure and monitor the pressure of the air conditioning duct, and send the signal back to the ECU, which adjusts the speed of the heat sink fan according to this voltage value to prevent the compressor from being damaged. • Solution 1: Finished Products as image | |
| AS201C | | ±0.5% typical linearity over full temperature range Fast output step response time: 1.8µs 240kHz signal bandwidth 5.0V DC power supply -40°C to 105°C operating temperature Rated current detection range: (bidirectional) ±10A~±120A Detects AC and DC current signals Power-independent fixed output mode Extremely stable quiescent output voltage Reference output on chip | These products are installed on the energy storage controller PCB, such as photovoltaic, wind power industry inverter, inverter, sink box, DC\DC converter, motor controller, switching power supply, uninterruptible power supply, batter y management system, traditional industry and other fields are applied, the current in the pathway to detect. Solution 1: Sensor with PCBA as image | |

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