

RoHS
Ready 

SMARTER SENSORS FOR SMARTER VEHICLES



Sensor Solutions
for Transportation Applications

EVERY CONNECTION COUNTS



SMARTER SENSORS FOR SMARTER VEHICLES

The combination of TE Connectivity and Measurement Specialties, a leading designer and manufacturer of sensors and sensor systems, establishes TE as one of the largest sensor companies in the world and provides a broad portfolio of sensor technologies including position, pressure, temperature, humidity, fluid property, vibration, force and ultrasonic for a wide range of transportation applications.

Applications:

POSITION

for Transmission, Clutch, Brake, Chassis and Engine Systems

- Drive Mode, All-Gear
- Clutch Pedal, Master & Slave Cylinder
- Brake Pedal, Booster, Brake Wear
- Engine & Transmission Actuators (EGR, Turbo Charger, ...)
- Steering (Rear Axle)
- Convertibles, Roof Rail, Bonnet, Trunk, Door, Seat
- E-Motors (X-EV)

PRESSURE

for Transmission, Clutch, Brake, Engine & Exhausted, HVAC, Safety and Urea Systems

- Low Pressure Applications
(Brake, Engine Air, Barometric, EGR, Oil Pump, Side Impact)
- Medium Pressure
(HVAC, Fuel Pump, Hydraulic Oil, Pneumatic Air, Steering, Urea)
- High Pressure
(Occupant, Hydraulic Brake and ESC, Gasoline Direct Injection, Hydrogen Tank)

TEMPERATURE

for Transmission, Engine & Exhausted, HVAC, Chassis and Urea Systems

- Fluid Temperature (Oil, Fuel, Urea, Water)
- Exhausted systems (EGR, Turbo Charger, DPF, SCR)
- Air Temperature (Ambient, Cabin, HVAC)

HUMIDITY

for Chassis and Engine Systems

- Engine Air Intake (Humidity-Pressure-Temperature)
- HVAC Control
- X-EV Application

FLUID PROPERTY

for Oil and Fuel Quality Systems

- Urea System with Quality, Pressure, Temperature and Level Measurement
- Fuel Identification and Quality Sensing
- Engine Oil Condition

In addition, we also provide solutions for Force, Vibration, Optical, Ultrasonic and Current Measurement.

For further information please visit us on www.te.com/en/products/sensors.html or contact our Product Information Center (PIC):

Brazil	+55 11 2103 6105	Korea	+82 2 3415 4500
China	+86 21 2407 1588	United States	+1 800 522 6752
Germany	+49 6251 133 1999		
Japan	+81 44 844 8111		www.te.com/support-center

PRODUCT HIGHLIGHTS

CHASSIS SYSTEM

- Temperature Sensor
- Humidity-Temperature
- Seat Position
- Weight Classification
- Convertible Switches
- HVAC Pressure
- Tilt Sensor



UREA SYSTEM

- Quality and Concentration
- Pressure Sensor
- Temperature Sensor
- High Temperature Exhaust Gas



TRANSMISSION SYSTEM

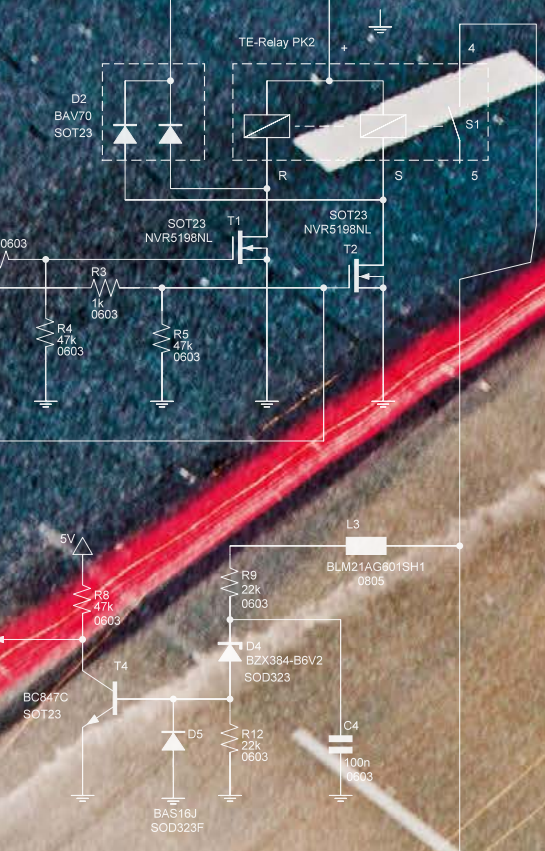
- Temperature Sensor
- All-Gear Detection
- Drive Mode
- DCT Sensor Modules
- Pressure Sensors
- Clutch Sensors



ENGINE SYSTEM

- High Temperature Sensor
- Humidity-Temp-Pressure Air Intake
- High Pressure Common Rail and GDI
- Fuel Identification and Quality
- Engine Oil Condition
- Fluid Level and Temperature
- Linear Turbo Charger VTG
- Linear/Angular EGR Valve
- Resolver Commutation
- Hybrid and EV





Tyco Electronics AMP GmbH
a TE Connectivity Ltd. company

AMPèrestrasse 12-14 | 64625 Bensheim | Germany
 Phone: +49 (0)6251 133-0 | Fax: +49 (0)6251 133-1600

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