

automotive standard product solutions

Edition December 2013

Position Sensors

| ID No | Description | Package | Status | Samples | Demoboard |
|-------------------------------|--|----------|----------------|------------|-----------|
| Rotary Position Sensor | | | | | |
| AS5115 | Rotary Position Sensor with Sin/Cos signal output | SSOP-16 | in production | available | available |
| AS5215 | Redundant Rotary Position Sensor with Sin/Cos output | QFN-32 | in production | available | available |
| AS5130 | 8-bit Rotary Position Sensor with Digital Angle (Interface) and PWM output | SSOP-16 | in production | available | available |
| AS5132 | 8.5-bit Rotary Position Sensor with Digital Angle (Interface), ABI, UVW (up to 6 Pole Pairs) and PWM output | SSOP-20 | in production | available | available |
| AS5134 | 8.5-bit Rotary Position Sensor with Digital Angle (Interface), ABI, UVW (up to 6 Pole Pairs) and PWM output | SSOP-20 | in production | available | available |
| AS5140H | 10-bit Rotary Position Sensor with Digital Angle (Interface), ABI and PWM output | SSOP-16 | in production | available | available |
| AS5145A/B/H | 12-bit Rotary Position Sensor with Digital Angle (Interface), PWM and ABI output | SSOP-16 | in production | available | available |
| AS5245 | Redundant 12-bit Rotary Position Sensor with Digital Angle (Interface) and ABI output | QFN-32 | in production | available | available |
| AS5161 | 12-bit Rotary Position Sensor with PWM output and overvoltage protection | SOIC-8 | in production | available | available |
| AS5261 | Redundant 12-bit Rotary Position Sensor with PWM output and overvoltage protection | MLF-16 | in production | available | available |
| AS5162 | 12-bit Rotary Position Sensor with Linear analog output and overvoltage protection | SOIC-8 | in production | available | available |
| AS5262 | Redundant 12-bit Rotary Position Sensor with Linear analog output and overvoltage protection | MLF-16 | in production | available | available |
| AS5163 | 12-bit Rotary Position Sensor with Linear analog or PWM output and overvoltage protection | TSSOP-14 | in production | available | available |
| AS5263 | Redundant 12-bit Rotary Position Sensor with Linear analog or PWM output and overvoltage protection | QFN-32 | in production | available | available |
| 3D Position Sensor | | | | | |
| AS5403 | 14-bit Linear Absolute Position and on-off axis Rotary Sensor with Linear Analog, Digital (Interface) and PWM output | TSSOP-14 | in development | on request | - |

Sensor Interfaces

| ID No | Description | Package | Status | Samples | Demoboard |
|-----------------------------------|--|---------|---------------|-----------|------------------|
| Resistive Sensor Interface | | | | | |
| AS8501 | High Precision Data Acquisition Front-End | SOIC-16 | in production | available | - |
| AS8510 | Analog Data Acquisition Front-End IC | SSOP-20 | in production | available | available |
| AS8515 | Data Acquisition IC AS8510 + AS8526 | MLF-32 | in production | available | reference design |
| Cell Balancing | | | | | |
| AS8506 | Cell Monitor/Balancer IC, all li-based cell packs as well as EDLCs (Electrical double-layer capacitors -> supercapacitors) | MLF-36 | in production | available | available |

Module Supply & Communication

| ID No | Description | Package | Status | Samples | Demoboard |
|---------------------------|--|---------------------|------------------|------------|------------------|
| Others | | | | | |
| AS3931 | 3D Low Power Wake up Receiver | TSSOP-16 | in production | available | available |
| AS3977 | Multi Channel Narrowband FSK Transmitter | QFN-16 | in production | available | available |
| PMICs | | | | | |
| AS8700 | Efficient Power Management Device for ECU supply | MLF-36 | in development | on request | - |
| AS8701 | Efficient Power Management Device for 32 bit μ Controller | MLF-36 | in development | on request | - |
| CAN Bus System | | | | | |
| AS8601 | Smart Power Management Device with HS CAN interface & partial networking | MLF-20 | in development | on request | - |
| AS8650 | Smart Power Management Device (DCDC + HS CAN + 3xLDO) | QFN-36 | in production | available | available |
| FlexRay Bus System | | | | | |
| AS8220 | Enhanced FlexRay Basis Transceiver | TSSOP-14 | in qualification | available | - |
| AS8222 | Enhanced FlexRay Standard Transceiver | SSOP-20 | in production | available | - |
| AS8223 | FlexRay Active Star Device, 4 branches | MLF-44 | in production | available | available |
| AS8224 | FlexRay Active Star Device with Bit-Reshaper, 4 branches | MLF-44 | in qualification | available | available |
| AS8231 | FlexRay V.3 Standard Transceiver | SSOP-16 or bare-die | in development | - | - |
| LIN Bus System | | | | | |
| AS8525 | System Basis Chip for Battery Sensor | QFN-32 | in qualification | available | reference design |
| AS8530 | LIN Transceiver with integrated voltage regulator | SOIC-8 | in production | available | available |

 New product

 Coming soon