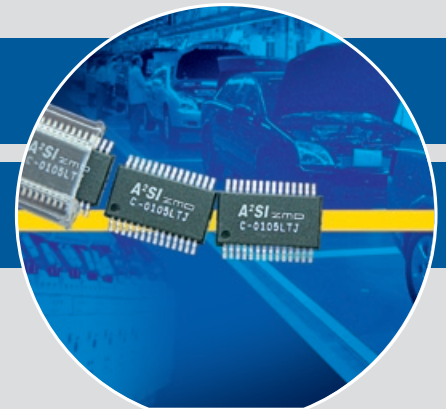


A²SI Standard AS-Interface IC

A²SI-Lite Low-cost AS-Interface IC



A²SI Features



- Multifunctional AS-Interface IC for slave, master and repeater units
- Certified to AS-i specification V2.11
- 4I/4O data port, 4I/4O parameter port
- Programming option via IR-photodiode
- Operation temperature -25 to +85°C (A²SI) / -25 to +105°C (A²SI-E)
- Package SSOP28 (A²SI) / SOP28 (A²SI-E)

A²SI-Lite Features



- Slave operation only
- Certified to AS-i specification V3.0
- 2I/2O data port
- PWM output option
- 2 diagnostic pins (A²SI-L16 only)
- Operation temperature -25 to +85°C
- Package SOP14 (A²SI-L14) / SOP16 (A²SI-L16)

Brief Description

A²SI and A²SI-Lite are CMOS integrated circuits for AS-i (Actuator Sensor Interface) networks.

The AS-i low-level field bus was designed for easy, safe and cost-effective interconnection of sensors, actuators and switches. It transports both power and data over the same two-wire unshielded cable.

A²SI and A²SI-Lite work in bus nodes as interfaces between the application and the physical layer (cable). The devices realize power supply, physical data transfer and communication protocol handling.

Both provide extended address mode, which allows the interconnection of up to 62 slave modules.

The multifunctional A²SI can be applied in slave, master and repeater units. The IC is certified to AS-i specification V2.11 and programmable via an infra-red photodiode.

The low-cost A²SI-Lite can only be used in slave units. Certified to AS-i specification V3.0 the device is perfect for interconnecting simple switches and LEDs.

Development tool available:

ZMD AS-Interface Programmer
(PC-connectable via USB, incl. CD-ROM)

Application support available:

Phone +49.351.8822-916
Fax +49.351.8822-606
Email asi@zmd.de



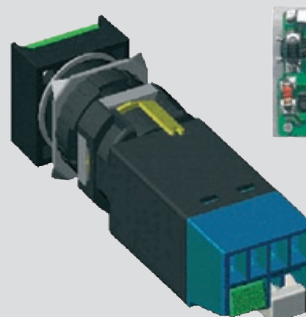
Application Examples



Digital IO-Module



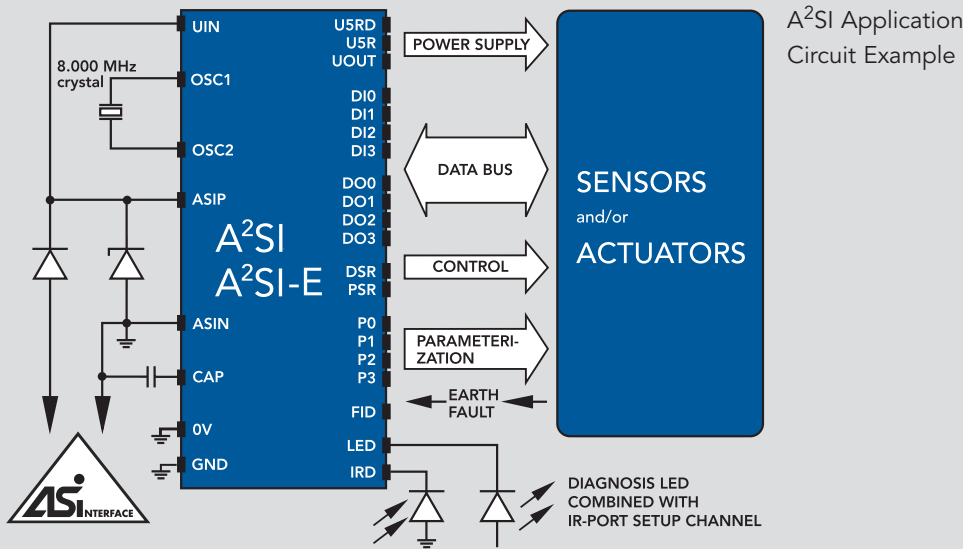
Master Module



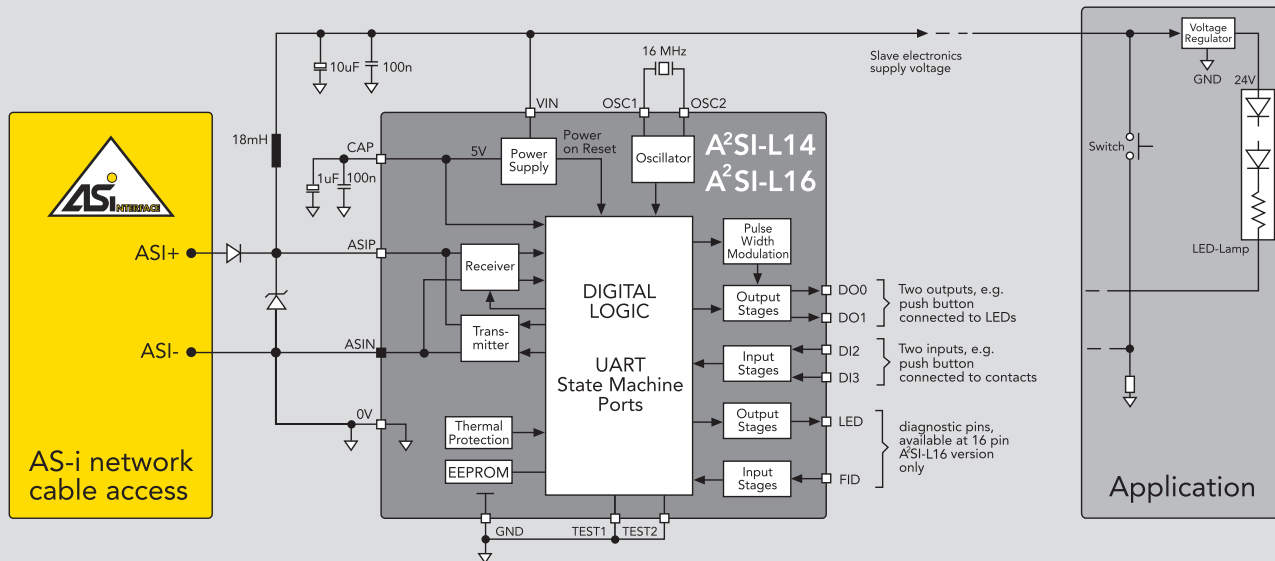
Pushbutton



Switch Module



A²SI-Lite Block Schematic and Application Circuit Example



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