

A²SI Rev. C and A²SI-E Rev. C released

Dear ZMD Customer,

The successful and fast deployment of AS Interface have boosted the demand for AS-i integrated circuits. As you are certainly aware, Zentrum Mikroelektronik Dresden AG (ZMD) has acquired the AS-i integrated circuit family from AMI Semiconductor (AMIS) effective from January 1st, 2002. In the sense of the declared goal to further maintain and develop the AS-i product line, ZMD has optimized the A²SI for better performance and user friendliness. The new IC revision is called **A²SI Revision C** and can be recognized easily by the corresponding revision code letter at the package marking (Figure 1).

The replacement of A²SI Revision B with Revision C neither has any impact to required external components nor requires a change of the external circuitry. Please refer to the Data Sheet and the Application Notes for more detailed information. For detailed information about the changes between revision B and revision C refer to the Release Notes IC Revision C. All documents can be downloaded from www.zmd.de/as_interface.html.

In order to provide an AS-interface IC for an extended temperature range (-25°C ... 105°C) ZMD provides another package option for the same A²SI silicon die. This product named **A²SI-E** is available now. The 28 pin SOP package of A²SI-E (Figure 2) provides an extended temperature range in slave mode but is also useful when building applications that require a higher power dissipation of the IC as seen with master and repeater applications. The actual revision of A²SI-E is revision C.

Both the **A²SI Rev. C** and the **A²SI-E Rev. C** have been **certified by the AS-interface association**. The registration number of the certificate is 34703.

Revision C of both package options has been transferred to production. Based on successful field tests at our leading customer sites ZMD has been induced to discontinue deliveries of revision B from now on.

Best regards

Dr. Gerd Thierfelder
Product Marketing Manager
ZMD AG, BU Sensor ICs

Attachment: Package Markings, Ordering Information and Sales Contacts

A²SI Package Marking

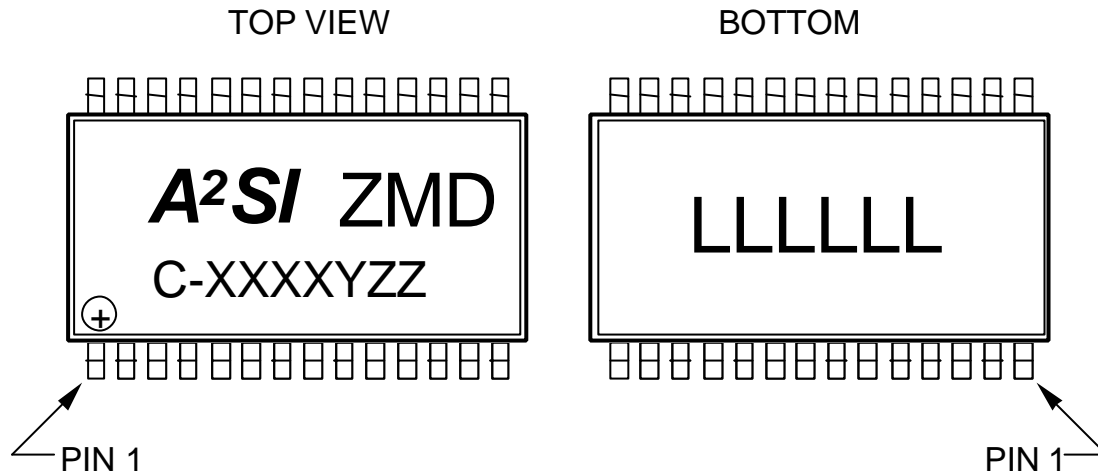


Figure 1: Package Marking

Top Marking:	A ² SI	Product name
	ZMD	Manufacturer
	C-	Revision code marking of A²SI Revision C
	XXXX	Date code (year and week)
	Y	Assembly location
	ZZ	Traceability
Bottom Marking:	LLLLLL	ZMD Lot Number

The yellow dot indicating pre-programmed Master function is printed at the pin 1 marking ⊕.

Note: IC Revision A did not have a revision code marking. ICs without a Revision Code are equivalent to Revision A. Revision B shows “B-” and Revision C shows “C-”, and so on.

A²SI-E Package Marking

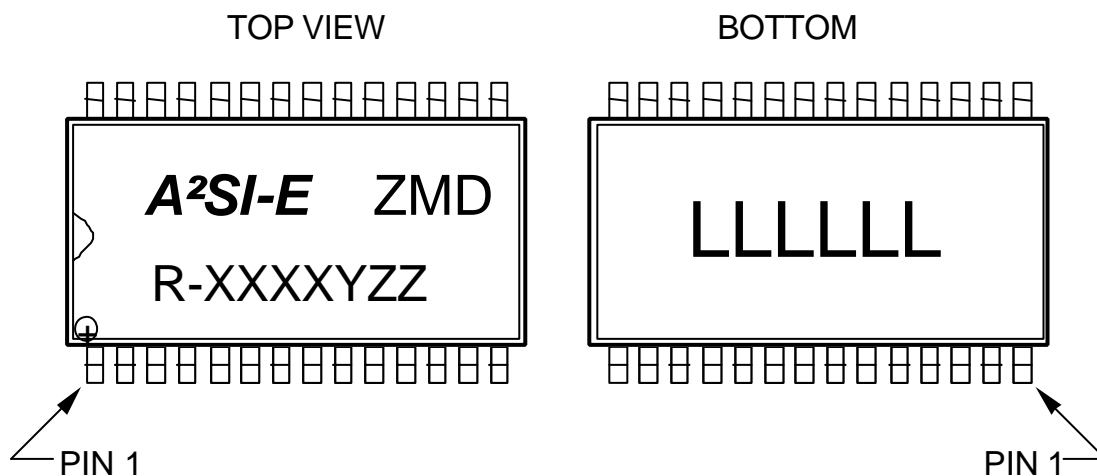


Figure 2: Package Marking

Top Marking:	A ² SI-E	Product name
	ZMD	Manufacturer
	R-	Revision code
	XXXX	Date code (year and week)
	Y	Assembly location
	ZZ	Traceability

Bottom Marking: LLLLLL ZMD Lot Number

The yellow dot indicating pre-programmed Master function is printed at the pin 1 marking ⊕.

Note: IC Revision A did not have a revision code marking. ICs without a Revision Code are equivalent to Revision A. Revision B shows “B-“, Revision C shows “C-“ and so on.

Ordering Information

Ordering Code	Description	Operating Temperature Range	Package Type	Device Marking	Shipping Form
A2SI-ST	Standard version of A ² SI	-25°C to 85°C	28-pin SSOP	A ² SI	Tubes (47 parts/tube)
A2SI-SR	Standard version of A ² SI	-25°C to 85°C	28-pin SSOP	A ² SI	Tape-and-Reel (1500 parts/reel)
A2SI-MT	Pre-programmed master function	-25°C to 85°C	28-pin SSOP	A ² SI + yellow dot	Tubes (47 parts/tube)
A2SI-MR	Pre-programmed master function	-25°C to 85°C	28-pin SSOP	A ² SI + yellow dot	Tape-and-Reel (1500 parts/reel)
A2SI-E-ST	Standard version of A ² SI-E	-25°C to 105°C	28-pin SOP	A ² SI-E	Tubes (47 parts/tube)
A2SI- E-SR	Standard version of A ² SI-E	-25°C to 105°C	28-pin SOP	A ² SI-E	Tape-and-Reel (1500 parts/reel)
A2SI- E-MT	Pre-programmed master function	-25°C to 105°C	28-pin SOP	A ² SI-E + yellow dot	Tubes (47 parts/tube)
A2SI- E-MR	Pre-programmed master function	-25°C to 105°C	28-pin SOP	A ² SI-E + yellow dot	Tape-and-Reel (1500 parts/reel)

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