

Issued by NMI Certin B.V.,
designated and notified by the Netherlands to perform tasks with respect to
conformity modules mentioned in Article 13 of Directive 2014/31/EU, after
having established that the measuring instrument meets the applicable
requirements of Directive 2014/31/EU, to:

Manufacturer Soehnle Industrial Solutions GmbH
Gaildorfer Strasse 6
DE-71522 Backnang
Germany

Measuring instrument **A Non-automatic weighing instrument**
Type : 3025, 3035

Further properties are described in the annex:
- Description T8692 revision 2.

Valid until 1 July 2025

Remark This revision replaces the earlier versions.

Issuing Authority **NMI Certin B.V., Notified Body number 0122**
28 March 2019


C. Oosterman
Head Certification Board

1 General information about the non-automatic weighing instrument

All properties of the non-automatic weighing instrument, whether mentioned or not, shall not be in conflict with the legislation.

This certificate contains references to other certificates. The properties mentioned in these certificates shall be observed in addition to the properties mentioned in this certificate.

1.1 Essential parts

Indicator:

Producer	Type	Certificate number
Soehnle Industrial Solutions	3025, 3035, 3035 AWI	TC8691

Any load cell(s) may be used under this certificate for instruments as described in WELMEC 2.4 Issue 2, provided the following conditions are met:

- There is a respective certificate (EN45501) or an OIML Certificate of Conformity (R 60) issued for the load cell by a Notified Body responsible for type examination under Directive 2014/31/EU.
- The certificate contains the load cell types and the necessary load cell data required for the manufacturer's declaration of compatibility of modules (WELMEC 2, 2015 clause 10), and any particular installation requirements. A load cell marked **NH** is allowed only if humidity testing to EN45501 has been conducted on this load cell.
- The compatibility of load cells and indicator is established by the manufacturer by means of the compatibility of modules form, contained in the above WELMEC 2 document, at the time of putting into use.
- The load transmission must conform to one of the examples shown in WELMEC 2.4 Issue 2.

1.2 Essential characteristics

The essential characteristics are described in the certificates involved.

1.3 Essential shapes

The data plate is secured against removal by sealing or will be destroyed when removed.

1.4 Conditional parts

Surge protector:

Producer	Type	Certificate number
VPG Transducers	LC30	TC2719

The non-automatic weighing instrument may be equipped with peripheral equipment which is used for the applications listed in Article 1(2), (a) to (f) of Directive 2014/31/EU, provided that the peripheral equipment is certified to be connected to a non-automatic weighing instrument by a Notified Body responsible for type examination under Directive 2014/31/EU, or, that the equipment and the use of the equipment complies with the requirements of WELMEC 2.5 Issue 2 clause 2.2.

The non-automatic weighing instrument is fitted with a levelling device and a level indicator, unless the instrument is installed in a fixed position. The level indicator has a sensitivity of at least 2 mm for a tilt of 2/1000.

1.5 Conditional characteristics

The conditional characteristics are described in the certificates involved.

1.6 Non-essential parts

The non-automatic weighing instrument may be connected to non-essential devices, for example but not limited to bar code readers, foot switches, second displays and cash drawers, provided that:

- They do not present primary data used for purposes mentioned in Article 1(2), (a) to (f) of Directive 2014/31/EU unless the "Preliminary observation" in Annex I of the Directive is satisfied;
- They do not lead to an instrument having other essential characteristics than those fixed by this certificate.

2 Seals

To secure components that may not be dismantled or adjusted by the user, the non-automatic weighing instrument has to be secured in a suitable manner on the locations indicated in the certificates involved.

3 Conditions for conformity assessment

The marks, facilities for the marks and the inscriptions on the non-automatic weighing instrument fulfil the requirements of point 1 of Annex III of Directive 2014/31/EU.

The compatibility of load cells and indicator is established by the manufacturer by means of the compatibility of modules form, contained in WELMEC 2, 2015 clause 10, at the time of putting into use.

1 General information about the indicator

All properties of the indicator, whether mentioned or not, shall not be in conflict with the standard mentioned in the certificate.

This certificate is the positive result of the applied voluntary, modular approach, for a component of a measuring instrument, as described in WELMEC 8.8. The complete measuring system must be covered by an EC type-approval certificate, an EC-type examination certificate or an EU-type examination certificate.

1.1 Essential parts

See block diagram:

Number	Pages	Description	Remarks
8691/1-01	1	Block diagram	-

See drawings:

Number	Pages	Description	Remarks
8691/0-03	4	Main board lay out with parts list	-
8691/3-01	2	Alternative main board lay out with changed parts list	-
8691/0-05	3	Additional measuring board lay out with parts list	Optional, built in internally or in an external shielded housing

EMI protection measures:

- The complete electronics are built into a metal case.

1.2 Essential characteristics

	OIML R 76	OIML R 51
Accuracy class	III, IIII	XIII(1), XIII(2), Y(a), Y(b)
Maximum number of verification scale intervals	10000	
Load cell excitation voltage	5 V DC or 5 V AC (33 Hz)	
Minimum input voltage per verification scale interval	0,2 μ V	
Minimum load cell resistance	40 Ω	
Maximum load cell resistance	1245 Ω	
Fraction of the maximum permissible error	0,5	
Load cell connection	6-wire (remote sensing)	
Maximum value of the cable length per cross wire section between the indicator and the junction box or load cells	2965 m/mm ² In case a 4-wire connection is used the load cells are connected directly without junction box	
Weighing ranges	Single interval Multi-interval Multiple range	
Temperature range	-10 °C / +40 °C	-15 °C / +40 °C
Power supply voltage	100 – 240 V AC 50/60 Hz	
Software identification	Bootloader software: 1.xx (xx= 05...99) LRS software: 1.00 Anwendersoftware: 1.xx to 4.xx or 6.xx to 8.xx (xx= 00...99)	Bootloader software: 1.xx (xx= 05...99) LRS software: 5.00 Anwendersoftware: 5.xx (xx= 00...99)

Software:

- The identification number will be displayed after pressing the key sequence:
 - F> then F6, choose "Scale parameters" and then choose "Software version".
- The indicator has embedded software.
- Software specification (WELMEC 7.2):
 - Software type P;
 - Risk Class B;
 - Extension L/T/S/D.

List of legally relevant functions for all types of weighing instruments:

- Determination stability of equilibrium;
- Indication stability of equilibrium;
- Zero indicator;
- Semi-automatic zero-setting;
- Initial zero-setting (100% of Max);
- Zero-tracking;
- Semi-automatic subtractive tare balancing;
- Preset tare;
- The adjustment mode is secured with a password, this software seal uses an event counter that contains a number that will be incremented each time any parameter changes or adjustment is made and saved;
- Identification of the load receptor via "Ident-chip";
- Platform select with indication of selected platform;
- Acting upon significant faults;
- Weight unit selection (t, kg, g);
- Extended indicating, resolution 1/10 e during pressing x10 key;
- Indications other than primary indications (available in a smaller window visible on the display in weighing units);
- Indication of additional information;
- Percentage weighing;
- Counting mode;
- Data Storage Device that complies with OIML R 76 (2006) clause 5.5.3 and EN 45501:2015 clause 5.5.3, with the option to integrate a customer specific identifier.

List of additional legally relevant functions for automatic catchweighers (OIML R 51):

- Semi-automatic zero-setting, active during non-automatic operation;
- Automatic zero setting;
- Zero setting interlock that operates with a maximum interval of 30 minutes;
- Zero-tracking, active during dynamic operation;
- Device to determine when the stability criteria are fulfilled active during dynamic operation;
- Device to determine when the stability criteria are fulfilled active during static operation;
- Checkweighing;
- Sorting.

When equipped with a printer or data storage device, the following legally relevant functions may be present:

- Totalisation of indications from individual platforms with up to 4 load receptors and A/D converters, possible with non-automatic weighing instruments;
- Totalisation of indications from individual platforms with up to 2 load receptors and A/D converters, possible with automatic catchweighers and operational when the weighing can only be completed statically in automatic operation using two load receptors;
- Price labelling;
- Weight labelling.

1.3 Essential shapes

The indicator is built according to drawings:

Number	Pages	Description	Remarks
8691/1-02	1	General overview of indicator 3035	-
8691/3-02	1	General overview of indicator 3025	-

The descriptive markings plate is secured against removal by sealing or will be destroyed when removed and contains at least the following information:

- This certificate number TC8691;
- The event counter value;
- Producers name or mark.

The inscriptions Max, Min, e are presented in the display by software according to EN 45501:2015 clause 7.1.2.

1.4 Conditional parts

The indicator may be equipped with one or more of the following protective interfaces that have not to be secured:

- RS232;
- RS485;
- Ethernet;
- USB device;
- Analog output;
- I/O card;
- Fieldbus.

1.5 Non-essential parts

Display;
 Keyboard.

2 Seals

To secure components that may not be dismantled or adjusted by the user, the indicator has to be secured in a suitable manner on the locations indicated in the drawing:

Number	Pages	Description	Remarks
8691/1-03	1	Sealing locations	-

The connecting cable of the load cell or the junction box is provided with possibility to seal. For the identification of the load cell by the indicator in each platform, an "Ident-chip" may be installed (option visible when pressing the "INFO" key). In this case the load cell terminals do not need to be secured by a verification mark.

The event counter value can be displayed by pressing the "INFO" key.

3 Conditions for conformity assessment

The compatibility of load cells and indicator is established by the manufacturer by means of the compatibility of modules form, contained in WELMEC 2, 2015 clause 10 at the time of putting into use.

The inscriptions contain the value of the event counter at the time of conformity assessment.

Other parties may use this Evaluation Certificate only with the written permission of the producer.

4 Reports

An overview of performed tests is given in the reports:

- No. 2014-4204-6221-REN dated 12 December 2014 that includes 41 pages;
- No. 2015-4273-6310N1-REN dated 18 March 2015 that includes 18 pages;
- No. NMI-15200051-01 dated 1 July 2015 that includes 40 pages;
- No. NMI-1900590-01 dated 30 May 2017 that includes 23 pages;
- No. NMI-1900590-02 Revision 1 dated 9 February 2018 that includes 30 pages;
- No. NMI-1900590-03 dated 9 February 2018 that includes 21 pages;
- No. NMI-1900590-04 dated 9 February 2018 that includes 13 pages;
- No. NMI-1900590-05 dated 9 February 2018 that includes 14 pages;
- No. 2019-103071-9942N-REN dated 25 February 2019 that includes 39 pages.

A report can be a test report, an evaluation report, a type evaluation report and/or a pattern evaluation report.



Documentation folder

Number **TC8691-3**

Project number 2273050

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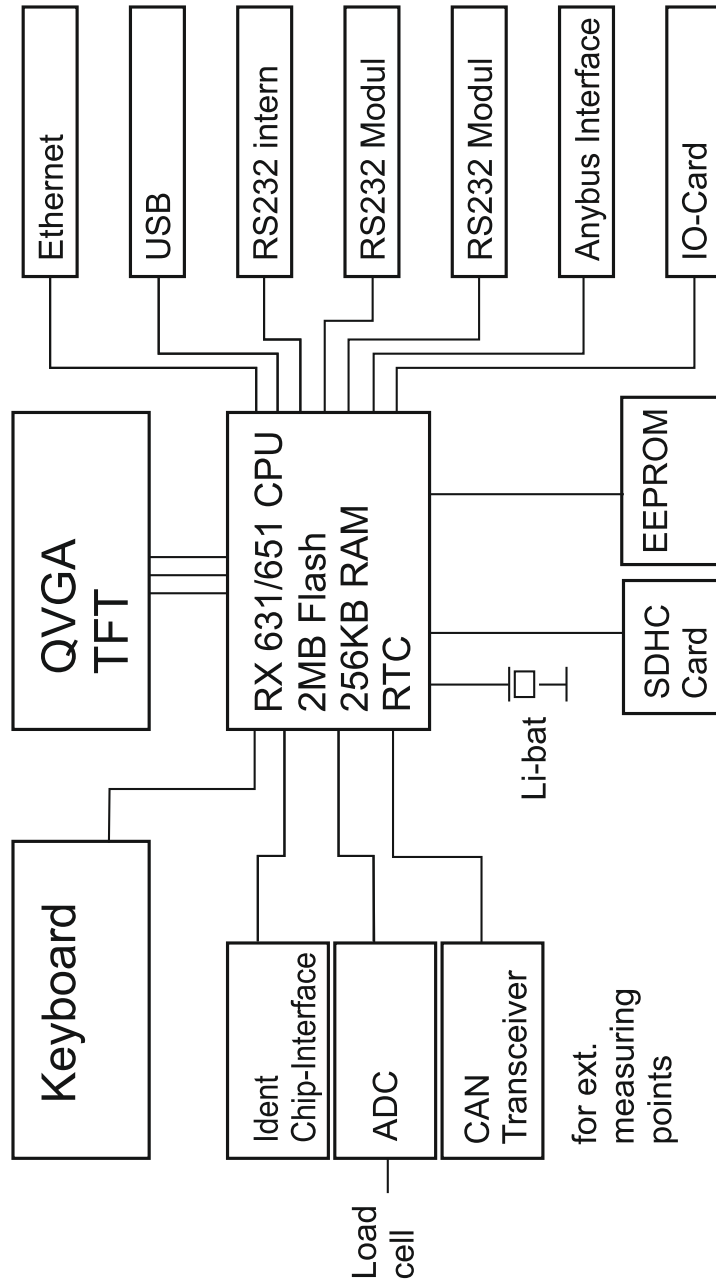
Number	Pages	Description	Remark
8691/1-01	1	Block diagram	-
8691/0-03	4	Main board lay out with parts list	-
8691/3-01	2	Alternative main board lay out with changed parts list	-
8691/0-05	3	Additional measuring board lay out with parts list	Optional, built in internally or in an external shielded housing
8691/1-02	1	General overview of indicator 3035	-
8691/3-02	1	General overview of indicator 3025	-
8691/1-03	1	Sealing locations	-

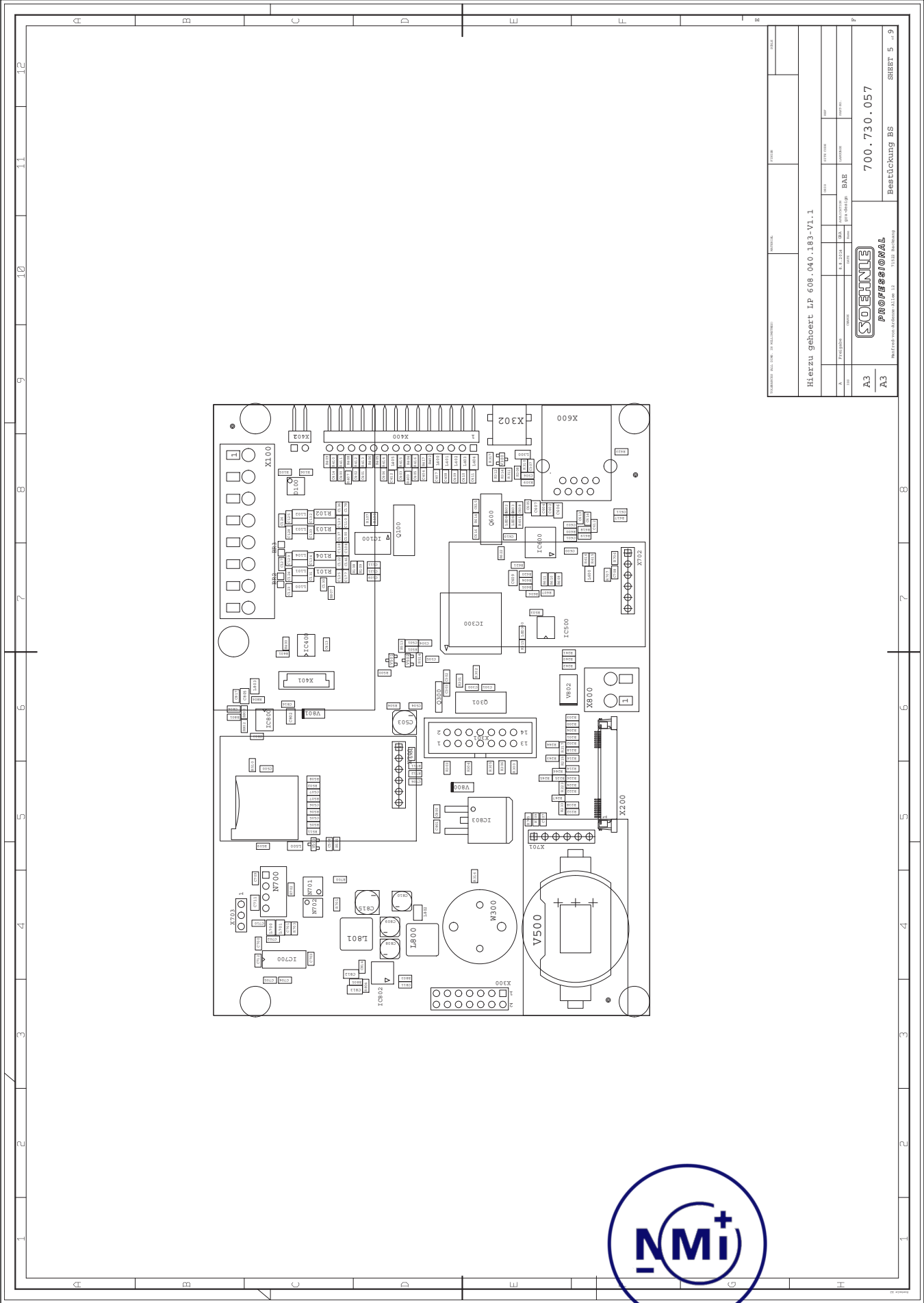



block schematic of 3035

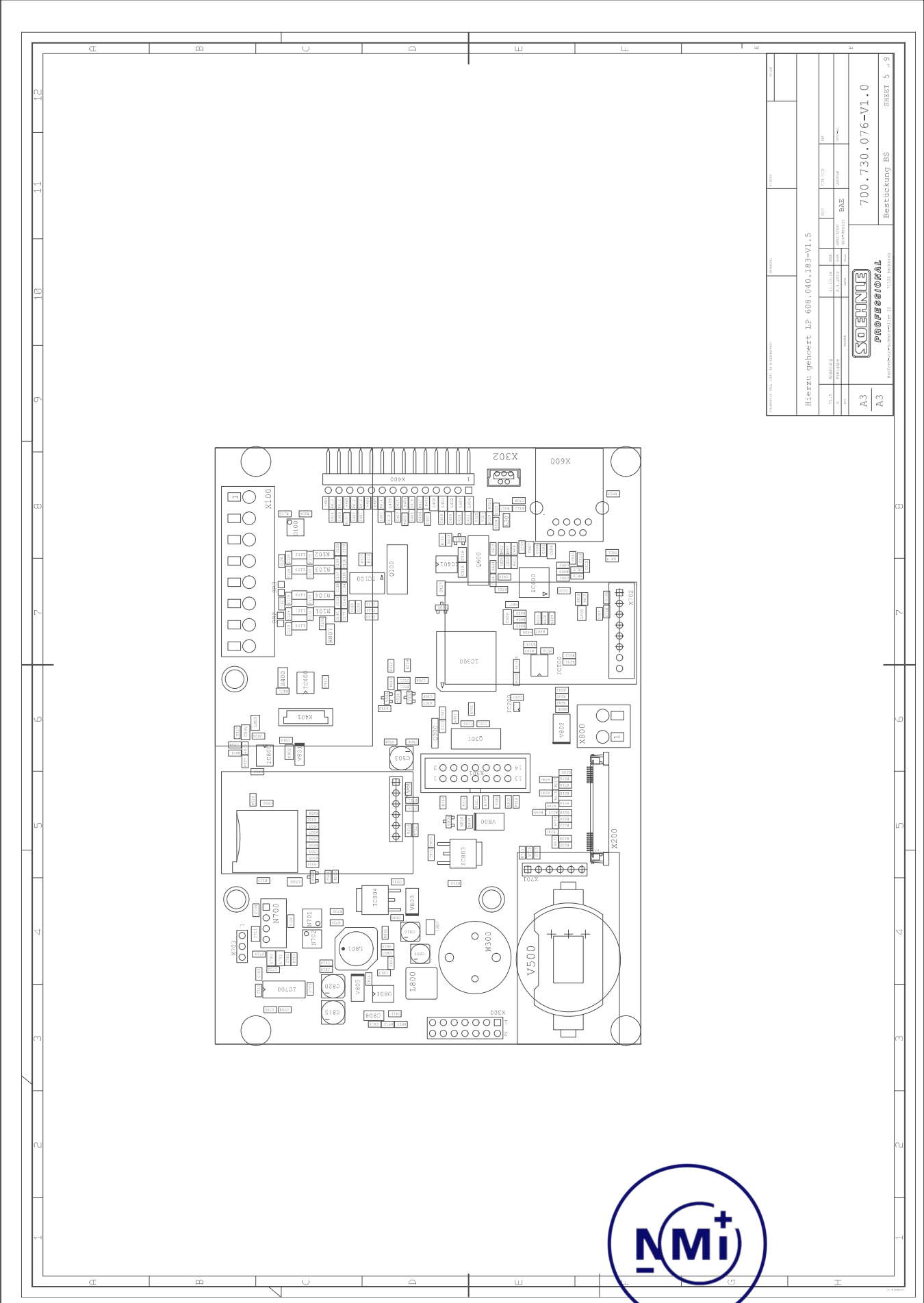
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block schematic of 3035

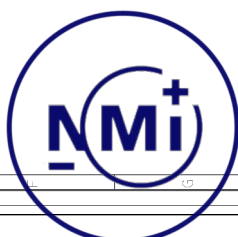




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SOEHNLE PROFESSIONAL <small>Wulfhard-von-Abel-Stra. 13 11552 Berlin</small>		Bestückung BS	
		SHEET 5	

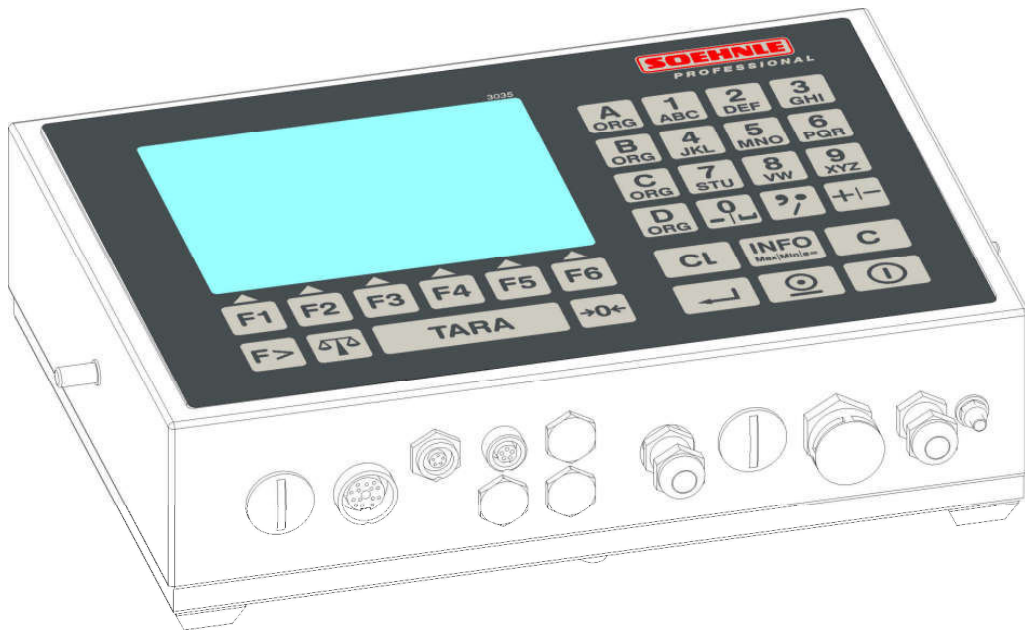


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700.730.076-V1.0		Bestückungs BS	
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Terminal 3035

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Terminal 3035

Ausgabe V1.1

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Technische Änderungen vorbehalten. Zeichnung ist nach §823 BGB geschützt: Kopie, Vervielfältigung oder Weitergabe nur mit ausdrücklicher Genehmigung.

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 Technische Änderungen vorbehalten. Kopie, Vervielfältigung oder Weitergabe nur mit ausdrücklicher Genehmigung.

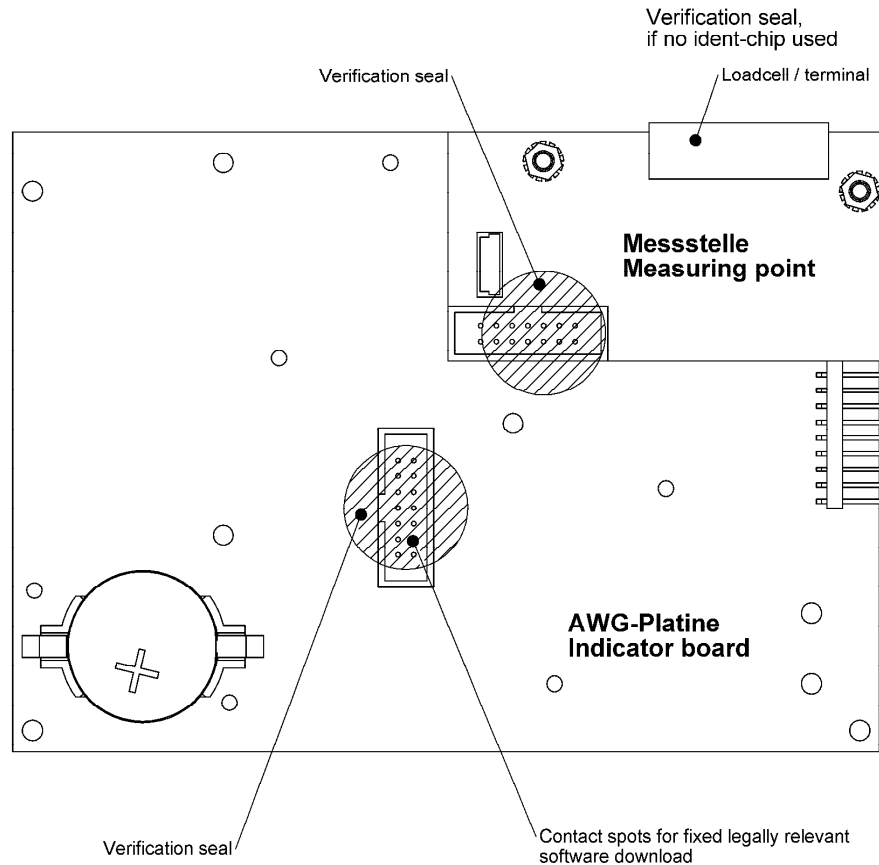
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Soehnle Industrial Solutions GmbH						Gaildorfer Straße 10 D-71522 Backnang				M-CAD SW M-A4						



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Locations of verification marks

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