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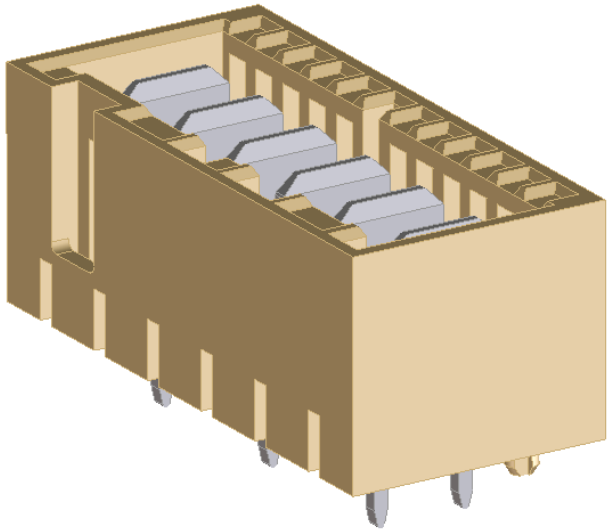

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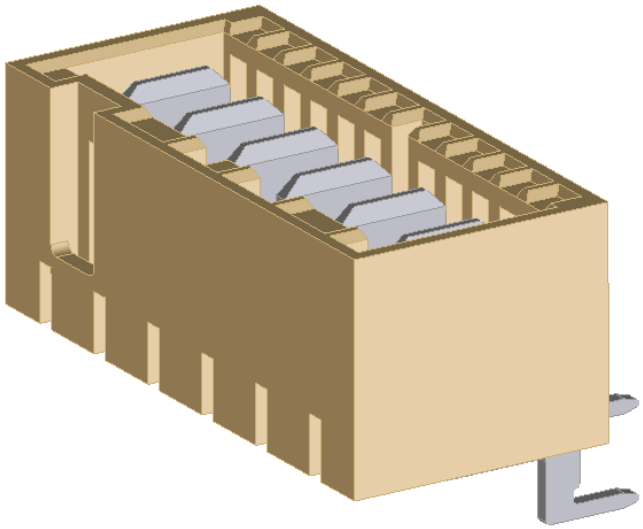

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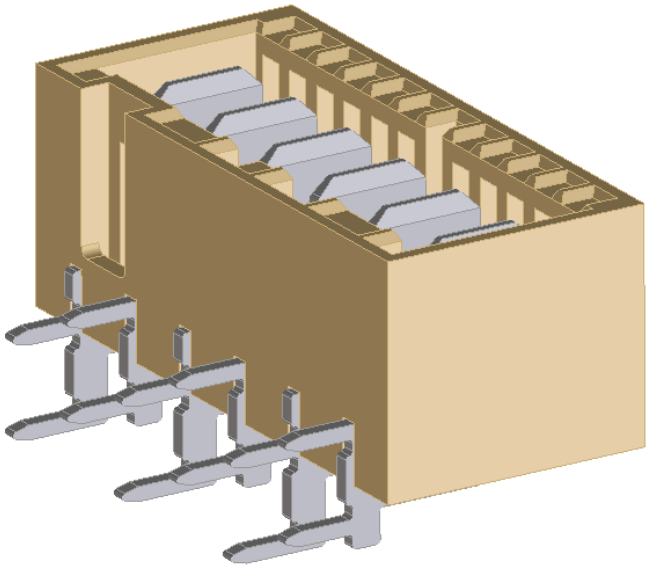

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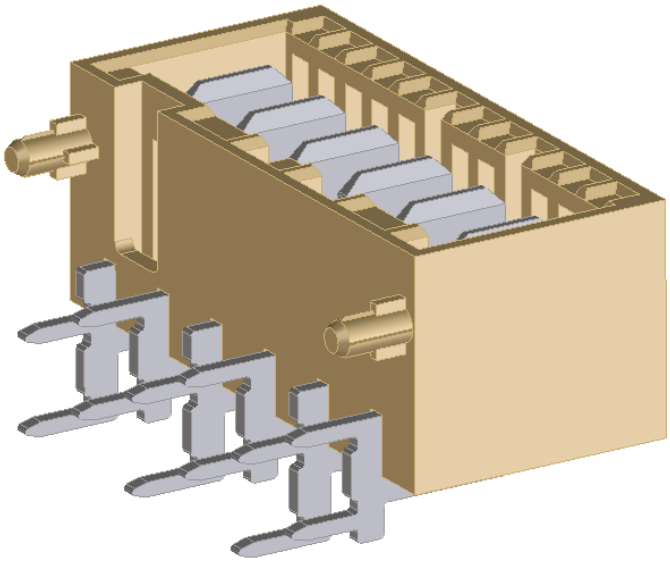

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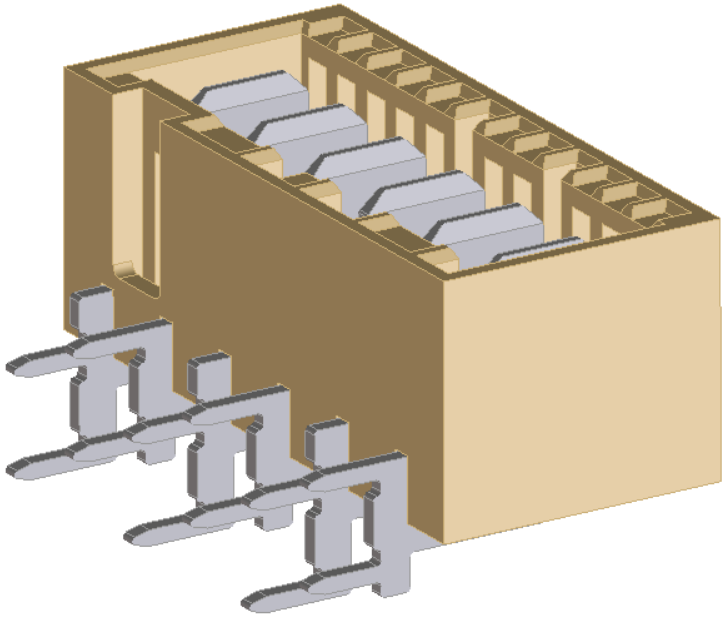
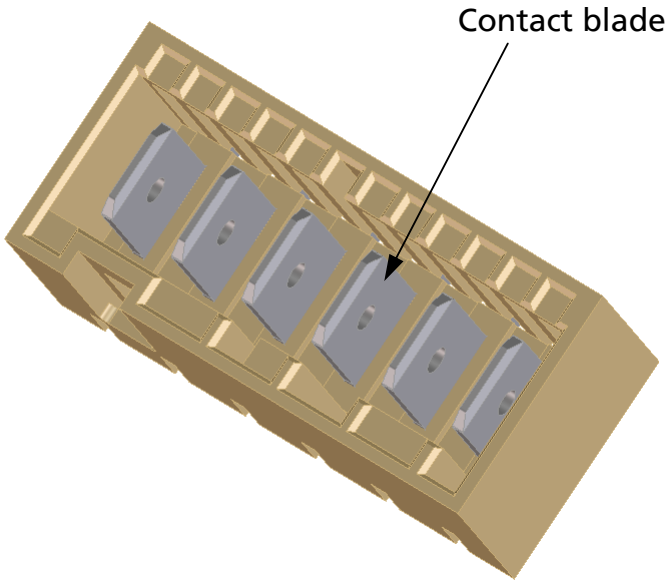


Description of Changes

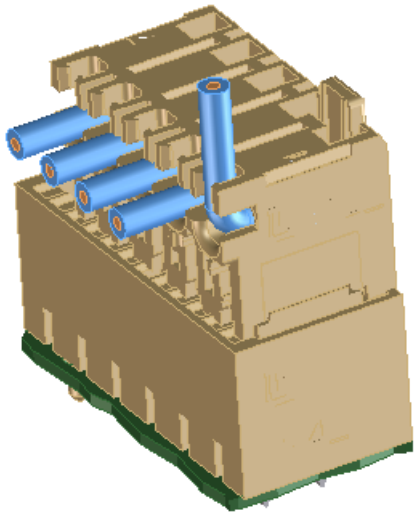
Version	Change made

Table of contents:

1 System Features

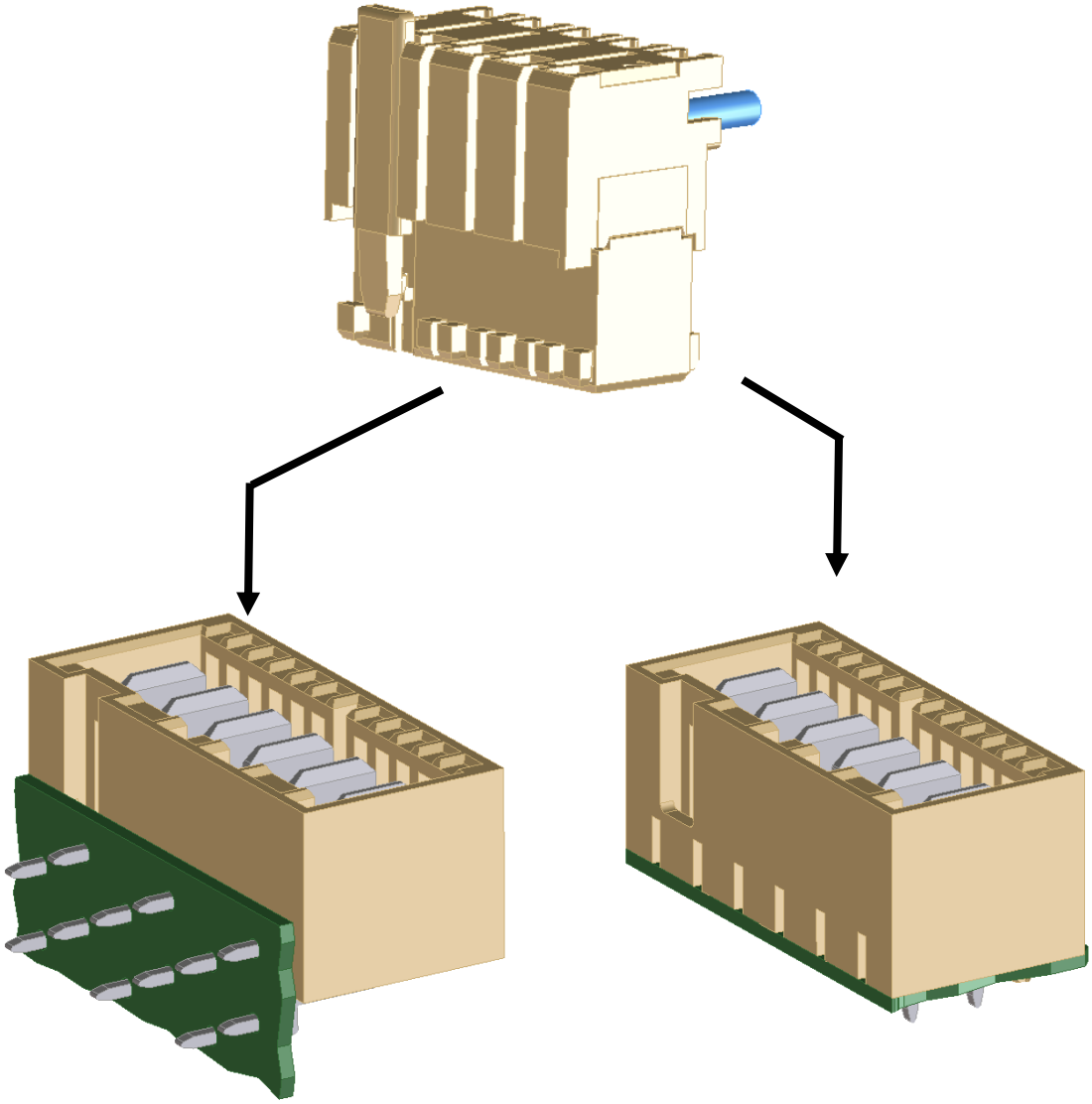


RAST 5 – plug inserted in male multi-point header



The plugs are used with male multi-point headers as indirect connectors.

Plug, according to RAST 5



Type 3643

Type 3641

1.1 Product types

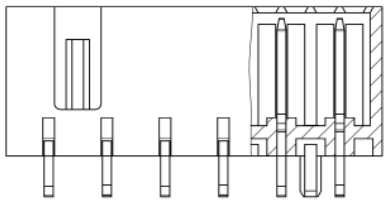
Male multi-point header according to the RAST 5 – Standard

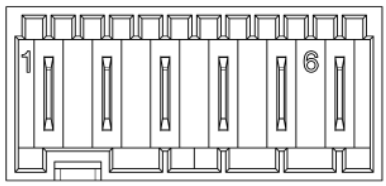
2 … 12-pole Sn
2 … 12-pole Ag (V167; contact area silver-plated, soldering-area tin-plated)

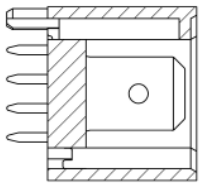
The following plugs can be inserted in the male multi-point header:
3611, 3615, 3623, 3625, 3626, 3627, 3628

Male multi-point header 3641

Partitioning of 5 mm
according to data sheet 3641 01

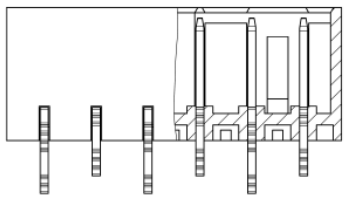


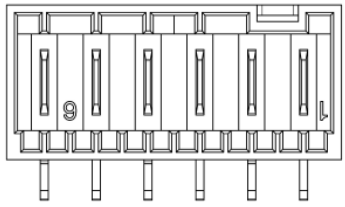


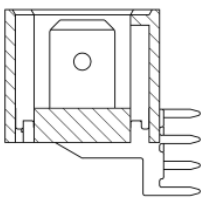


Male multi-point header 3642

Partitioning of 5m
according to data sheet 3641 01.

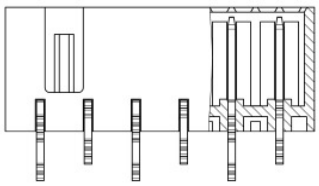


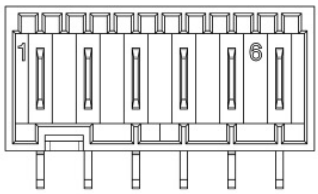


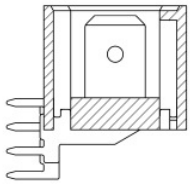


Male multi-point header 3643

Partitioning of 5 mm
according to data sheet 3643 01

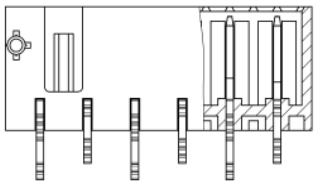


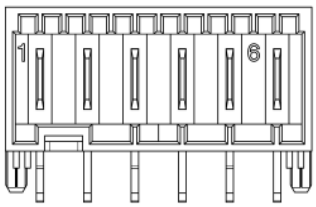


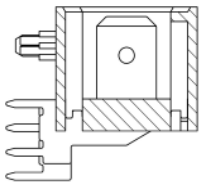


Male multi-point header 3644

Partitioning of 5 mm
according to data sheet 3644 01

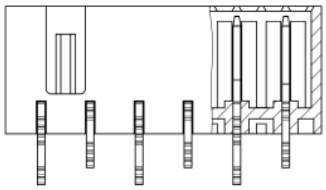


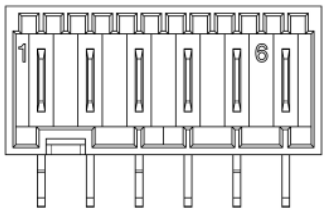


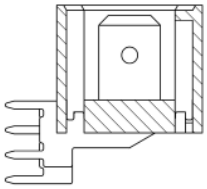


Male multi-point header 3645

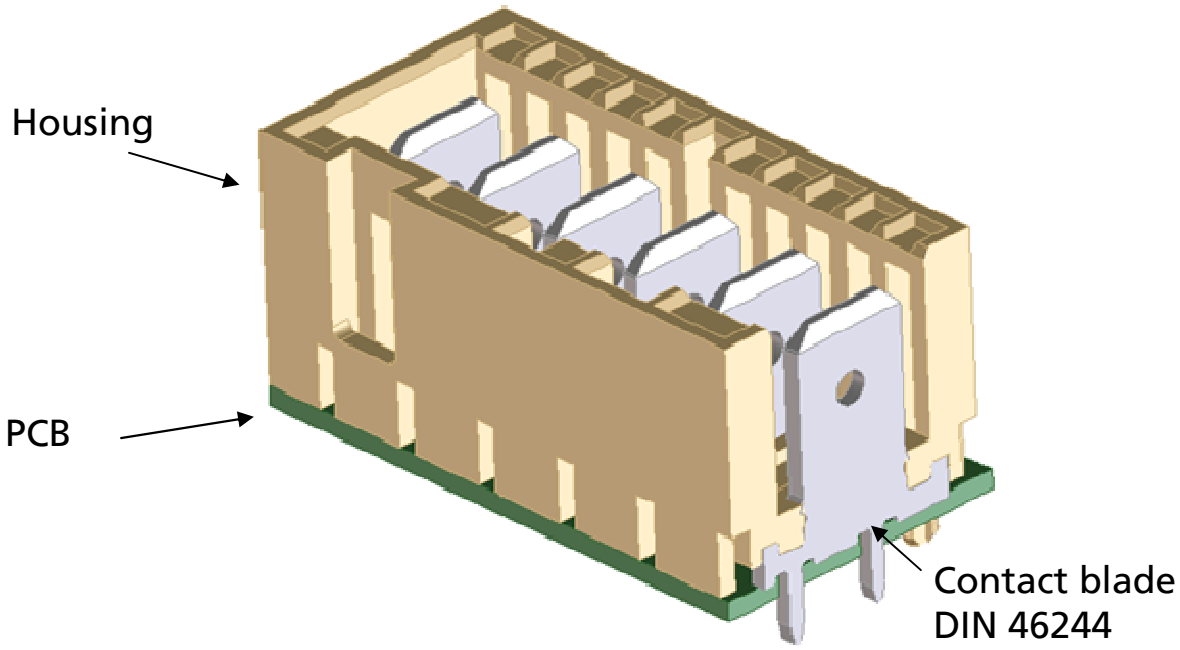
Partitioning of 5 mm
according to data sheet 3645 01







2 Principle of contact



3 Processing

The pole count, pin-out assignment and PCB layout (see technical data sheet) must all match.

3.1 Soldering profile

The soldering profiles are available on our website at

http://www.lumberg.com/main/download/special/Loetprofile_DE_EN.pdf.

3.2 Delivery

The male multi-point headers are delivered in bulk packaging or, optionally, in loading tubes.

3.3 Hold-down plate

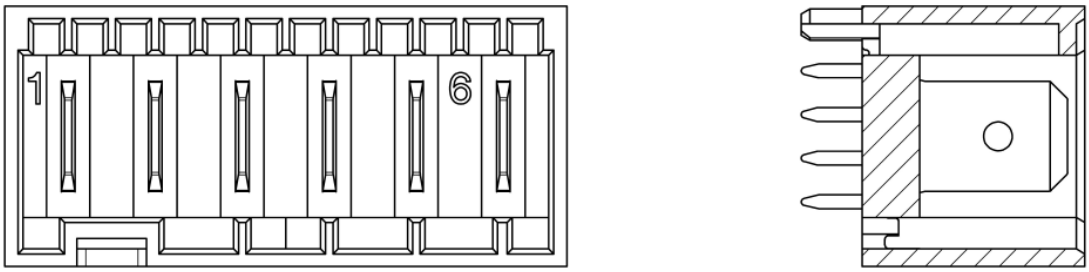
We recommend using a hold-down plate with the components so that they do not rise up.

When using lubricants, no residues (impurities) may be left on the pin connectors (especially not on the contact pins).

3.4 Clinching

We recommend in principle not to clinch our contacts. If, in case of disregard, clinching is executed it is at the processing organization's responsibility to ensure correct function of the components.

3.5 Housing



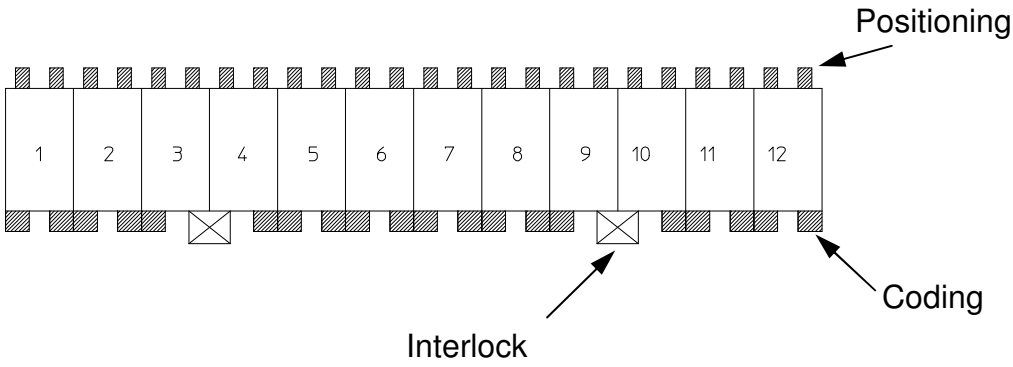
The housing should not show any visible signs of damage following the assembly or soldering process (using a visual inspection).
The plug-in function must be confirmed (we recommend a test of function).
The contact blade must be correctly positioned in the housing (using a visual inspection, for example).

4 Coding

The coding is implemented according to the RAST 5 standard.

4.2 Coding According to RAST 5

Basic type in insertion direction



5 Quality assurance measures

All work and process steps or changes (for example, product introduction, cabling changes, tool or machine changes etc.) that can influence product quality, must be in accordance with the requirements of the relevant testing authority for that work step. Implementation of such steps or measures must be done with due care and attention.

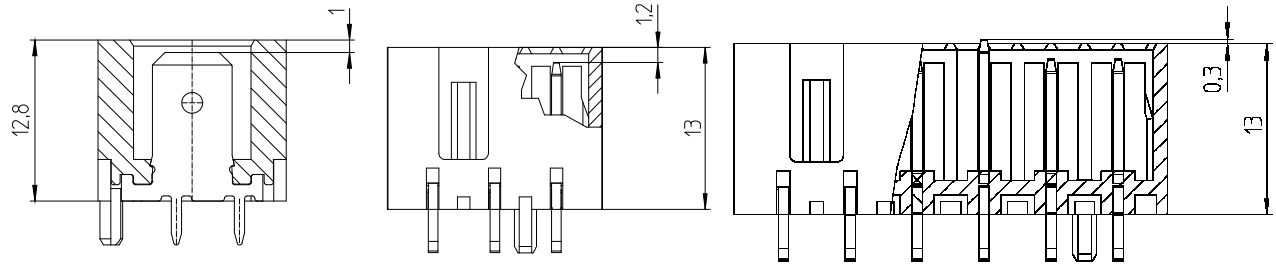
5.1 Quality characteristics

The following quality characteristics should be considered:

LUMBERG will ensure that there is compliance with the RAST 5 directive.

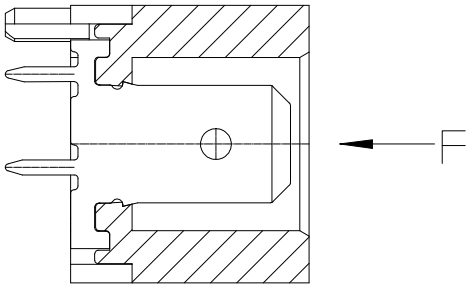
5.2 Press-in depth of contacts

The insertion depth of the contacts is determined by the height of the contact carrier.



5.3 Holding force of the contact blade in the contact carrier

Minimum push-out force for the contact blade out of the contact carrier: F > 45 N / contact blade



6 Storage

Tin-plated and silver-plated surfaces can undergo a physical aging process that may negatively affect their ability to be soldered. In order to maintain the best connection characteristics, make sure that the following instructions are closely followed during additional processing steps:

Storage conditions:
The parts should ideally be stored in the original packaging, at a constant temperature of 21 – 25 °C, with a relative humidity of no more than 55%. The components should not be exposed to direct light. They should also be protected from any extreme ambient conditions (such as air pollution).

The storage time should be kept as short as possible, especially for silver-plated components and for solder connections in general. Our experience is that tin-plated components can be soldered for about a year after delivery when using the proper conventional flux. Silver-plated components, owing to their physical characteristics, should be processed within about six months of delivery.

These specifications are based on experience using components stored under optimal conditions. They do not constitute a binding commitment for the fulfillment of any characteristics.