

Vogtnews

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VOGT AG Verbindungstechnik CH-4654 Lostorf www.vogt.ch



Electronica 2014 in Munich
Visit us at Hall B3, Stand 313.

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New tab connectors and blade receptacles with matching sleeves
Reliable connections made easy

Press-fit technology
Solder-free thanks to EloPin

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Strip-mounted items

Did you know that many of our products are also available as strip-mounted items?

Because resources are precious
Sustainability is very important to us.

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Editorial

Information?

The reporting of the conflict in Ukraine is such an opaque affair, a classic example of modern media warfare. The shooting down of a passenger plane, or the seemingly endless tales about the Russian aid convoy, are just some of the sad highlights. Disinformation is just one part of it, on the other side «facts» are being made up.

It may not matter much to me personally to which nation the Crimea belongs, but it should be possible such a decision to be made without force of arms. Although the EU has brought itself to impose sanctions, the Russian side is taking drastic measures. No doubt it will again be the civil populace who are most affected by the import bans. Even if closing down some branches of McDonald's is of little economic importance, so much greater are the waves it makes in the media.

Is it really true that the Russian Soyuz rocket did not put the European Galileo navigation satellite in the correct orbit? Could it be a big mistake, or could there be some intention behind it... **Here at least, all I want to do is present our most important news objectively and truthfully.**

Thomas Vogt,
Managing Director

Invitation to Electronica 2014 from 11 to 14 November 2014



Electronica is the international trade fair for innovative electronic manufacturing, and it is now being held for the 26th time. Exhibitors from all over the world are coming to Munich and will be exhibiting their new products.

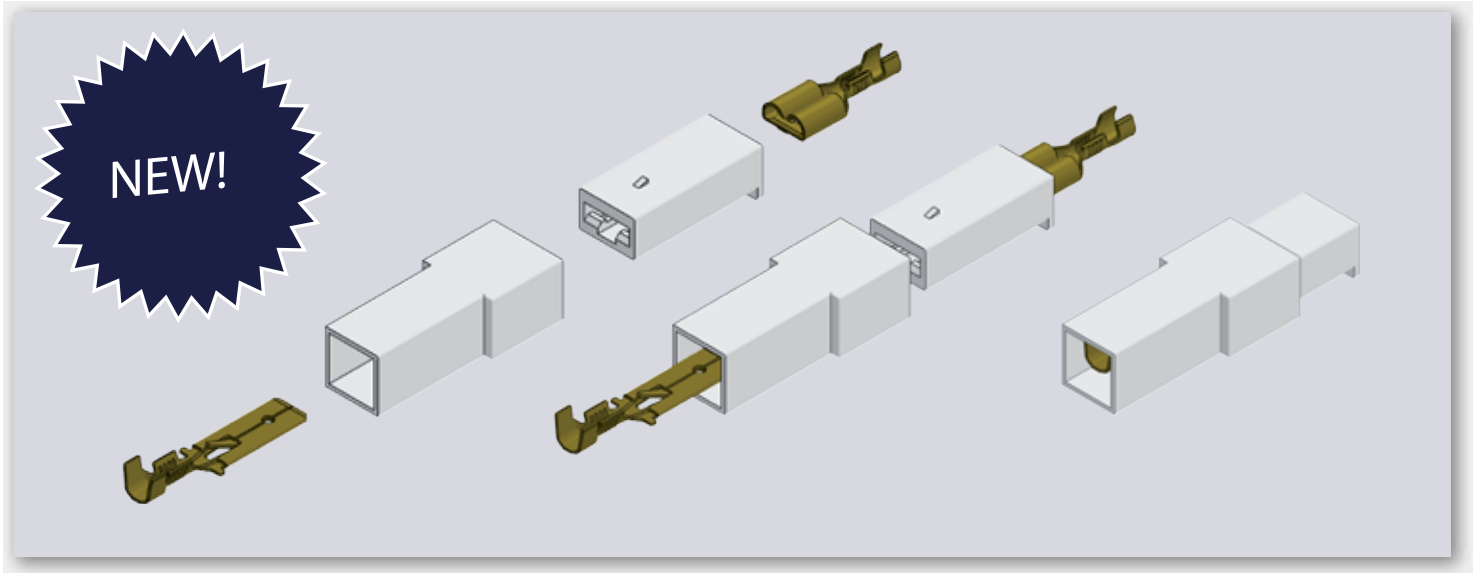
The main focus at our exhibition booth is on custom-built products.

Manufacturing such products has become an important part of our current sales programme. The demand for uniqueness, precision and flexibility is great and is continually on the rise. To manufacture special products, one needs to have the expertise as well as the properly fitted machines. And this is precisely our strong point. We can provide you with both, and additionally we offer the proverbial Swiss precision and reliability. Whether it is stamped parts, tubular components, plastics or plastic/metal composite parts, the possibilities are enormous and greatly varied. We will be happy to show you the products that have already been produced, at our stand.

Are you interested in solder-free assembly? Then press-fit technology is a topic that will interest you! We are now also offering items in **press-fit technology** as part of our range. Come and have a pleasant surprise.

We look forward to your visit to **Hall B3, Stand 313**.
Order your entrance ticket at: marketing@vogt.ch

Blade receptacles and tab connectors with snap-in pin and matching sleeves











We now offer tab connectors and receptacles with a snap-in pin and matching sleeves, in the standard sizes of 2.8 mm, 4.8 mm and 6.3 mm. The blade receptacles and tab connectors are fed into the corresponding sleeves. Here the snap-in pin prevents the compo -

nent from unintentionally slipping out of the sleeve. With just a few clicks you have a connection that is protected against touch and un - intended contact.

We also offer multiple-pin sleeves so that it is not necessary to offer all the connectors separately. This

makes for tidiness, saves on time and money, and simplifies the assembly work. This also allows one to quickly remove the connectors, for example when several compo - nents have to be taken out of a housing for repairs.

Size	tab connector	Sleeve, 1-pin, for tab connectors	Sleeve, 2-pin, for tab connectors	Sleeve, 4-pin, for tab connectors
				
2.8 mm	3799z08.60	3931z1pa	–	–
4.8 mm	3807z05.60	3936z1pa	–	–
6.3 mm	3836z08.60	3938z1pa	3938z2pa	3938z4pa

Size	blade receptacle	Sleeve, 1-pin, for blade receptacles	Sleeve, 2-pin, for blade receptacles	Sleeve, 4-pin, for blade receptacles
				
2.8 mm	3769h08.60	3931h1pa	–	–
4.8 mm	3800h05.60	3936h1pa	–	–
6.3 mm	3831h08.60	3938h1pa	3938h2pa	3938h4pa

Press-fit technology

Press-fit technology refers to a solder-free, electromechanical connection for use with circuit boards. In the automobile sector in particular, it is important that the size of the control units is kept as compact as possible. This means that a number of components are fitted on the circuit board. Besides the fact that the working area is very small, the circuit boards often have components fitted on both sides. In such conditions soldering is not possible. For multilayer circuit boards, too, soldering becomes

difficult or impossible, depending on the thickness. This is exactly where the EloPin technology comes in. Thanks to the press-fit technology, it is possible to dispense with the soldering process entirely.

The main feature is that the contact diagonals are larger than those of the drill-hole in the circuit board. By using an elastic slot, known as the «eye of the needle», the shape can be changed. One advantage of this elasticity is that the plug-in connector can be easily

removed and replaced (e.g. during repairs) without damaging the sides of the hole.

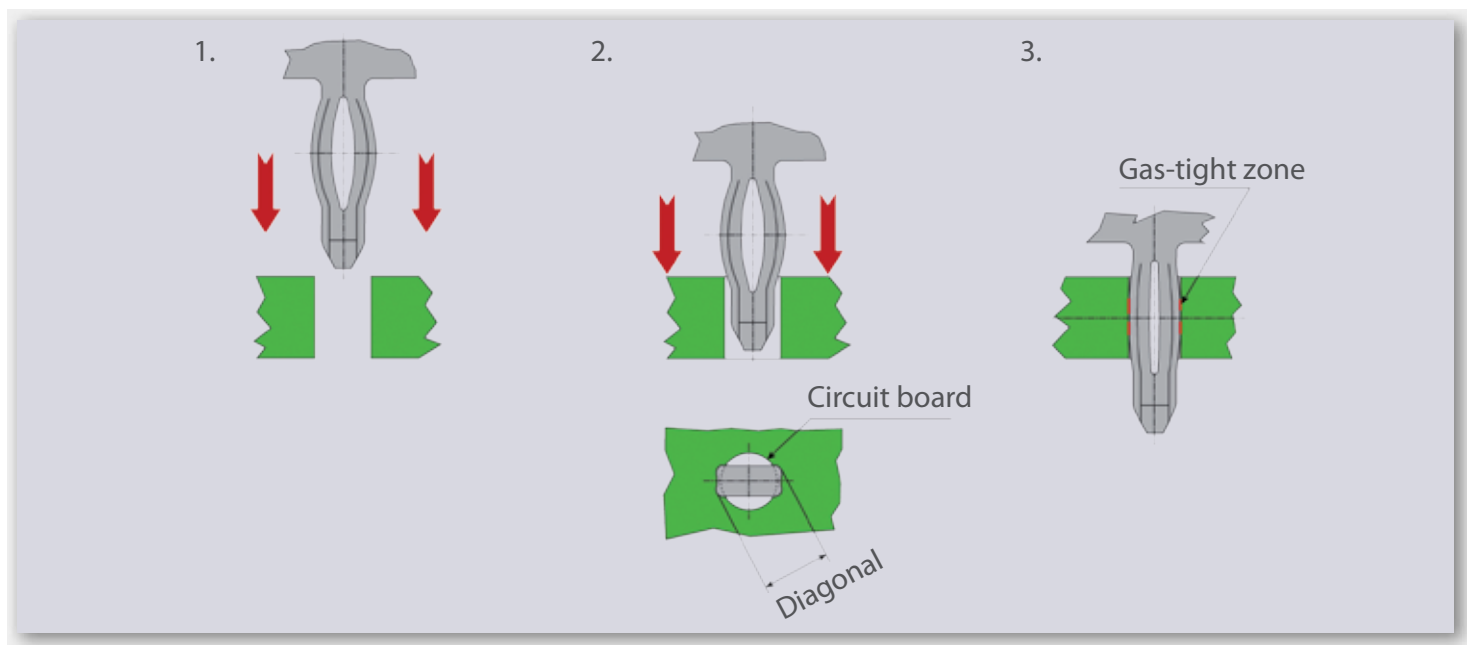
To mount the press-fit pin on the metallized circuit board, the contact is pressed together in the region of the press-fit zone. This spring-like mechanism and the associated pressure ensure a firm hold on the circuit board, and guarantee a gas-tight electrical connection featuring a high reliability and a long life.

EloPin 08-145:

Strip thickness (mm)	0.80	Press-in force, typical	115 N
Circuit board end hole Ø (mm)	1.45	Press-out force, min.	40 N
Circuit board thickness (mm)	1.60 ±0.16	Press-out force, typical	135 N
Applications	Standard / automobile	Contact resistance, max.	1 mΩ
Press-in force, max.	160 N	Contact resistance, typical	0.01 mΩ

Article No.	Designation	Pin size	No. pins / item
3866aez.27	Tab connector 6,3 × 0,8	08-145	2
3866afez.27	Tab connector 2 × 2,8 × 0,8	08-145	2

Other designs can be manufactured according to your requirements. Our sales team will be glad to advise you.



Rational processing thanks to strip-mounted items

Strip-mounted items are ideally suited to industrial serial production. Many Vogt articles that are supplied in bulk are also available as strip-mounted items (which can be on a roll), and these can be processed safely, reliably and rapidly thanks to the **special machines and applicators to use with them.**

The following components are available as strip-mounted items:

- Cable end sleeves
- Eyelet terminals
- Forked cable terminals
- Pin cable terminals
- Tab connectors and receptacles

Our expert specialists will be glad to advise you so that your requirements are covered in the best possible way.



Because resources are precious

Sustainability is very important to our firm. This soon becomes evident, because as a company we are certified to the environmental management system 14001, and have concluded an environmental protection agreement with the Cantonal Department of the Environ-

ment. For a long time now, we have already been monitoring the energy consumption for electricity, water, heating oil and gas, as well as our use of paper. But so that everyone can help to improve our use of resources even more, for the past two months or so we have

been reviewing the consumption in our factories. This allows us to quickly analyse any high consumption of resources, and to promote the positive effects of projects such as the «Paperless office».

Vogt AG – electrically connected

True to our sector, of electronic connector technology, Vogt AG has resolved to make transportation between the individual factories emission-free. The Renault TWIZY is already driving around in Lostorf under electrical power and completely free of any exhaust emissions, and it is planned to add a ZOE as reinforcement as well.

