

## > Product Change Notification (PCN)

|                       |   |                    |          |
|-----------------------|---|--------------------|----------|
| <b>Product group:</b> | <b>SEMIKRON</b>                           | <b>Rev.:</b>       | <b>1</b> |
| <b>No.:</b>           | <b>PN21-009 SEMiX 3 Press-Fit Package</b> | <b>31 Jul 2021</b> |          |

Dear valued partner,

Thank you for using SEMIKRON products. Within our continuous improvement activities we are working to enhance performance, quality and reliability of our products. This notification is to inform you of a relevant change.

We would like to express our sincere appreciation for your cooperation regarding the following changes and want to assure you that SEMIKRON will work closely with you to support your requirements during this transition.

Please respond to this notification by indicating your decision on the below approval form, sign it and return it to your SEMIKRON sales partner before 31 Aug 2021.

**Subject of change:** Modification of internal package design

**SEMIKRON**  
**product type:** SEMiX 3 Press-Fit

**Description of change:**

- 1) Soft-mold  
Gel volume is reduce by about one-third.
- 2) Cu-bonds  
Bond wires from copper are connecting the main terminals with the power hybrids as well as both power hybrids with each other. Number of wires is the same for all product types until now and will be adjusted to the current rating of the module.

Following table indicates which of the above described changes applies to each product type:

|          |                    | 1) | 2) |
|----------|--------------------|----|----|
| 27895000 | SEMiX603GB12E4p    | X  |    |
| 27895002 | SEMiX223GB12E4p    | X  | X  |
| 27895004 | SEMiX453GB12E4p    | X  | X  |
| 27895007 | SEMiX303GB12E4p    | X  | X  |
| 27895020 | SEMiX603GAL12E4p   | X  |    |
| 27895040 | SEMiX603GAR12E4p   | X  |    |
| 27895064 | SEMiX453GM12E4p    | X  | X  |
| 27895100 | SEMiX603GB12M7p    | X  |    |
| 27895102 | SEMiX223GB12M7p    | X  |    |
| 27895104 | SEMiX453GB12M7p    | X  |    |
| 27895107 | SEMiX303GB12M7p    | X  |    |
| 27895204 | SEMiX453GB12Vp     | X  | X  |
| 27895300 | SEMiX603GB12E4SiCp | X  |    |
| 27895400 | SEMiX603GB17E4p    | X  |    |
| 27895402 | SEMiX223GB17E4p    | X  | X  |
| 27895404 | SEMiX453GB17E4p    | X  |    |
| 27895407 | SEMiX303GB17E4p    | X  | X  |
| 27895704 | SEMiX453GB07E3p    | X  | X  |
| 27895801 | SEMiX703GB12M7p    | X  |    |
| 27897000 | SEMiX603GB12E4Ip   | X  |    |
| 27897004 | SEMiX453GB12E4Ip   | X  |    |
| 27897007 | SEMiX303GB12E4I50p | X  | X  |
| 27897010 | SEMiX603GB12E4I25p | X  |    |
| 27897020 | SEMiX453GB12E4I33p | X  | X  |
| 27897030 | SEMiX453GB17E4I50p | X  | X  |
| 27897404 | SEMiX453GB17E4Ip   | X  |    |
| 27897500 | SEMiX603KD16p      | X  |    |
| 27897520 | SEMiX443KD16p      | X  |    |
| 27897530 | SEMiX443KD22p      | X  |    |

**Reason for change:** Streamlining of SEMiX production

**Impact of change:** Changes have no influence on product specification

**Identification of change:** By date code

**Time schedule for change:** Introduction of all changes is scheduled for week 18/2021 earliest

**Last time order date:** -

**Last time delivery date:** -

**Qualification:** Done according to SEMIKRON standards

**Supporting documentation:** Overview of performed qualification tests is available on request  
Samples can be provided on request, lead time is approximately 4 weeks after order

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**Author:** May, Martin

- ➔ **Please respond to this notification by returning the attached customer approval form to your local sales partner.**
- ➔ **According to the standard J-STD-046 no response to this notification within 30 days after receipt constitutes acceptance of the change.**

**Products Affected:**

The following table shows the affected products and the last transactions (orders, frame orders or quotations), where available with customer part number, order or quote request reference, product quantity and date of transaction.

| Part No. | Variant | Article Description | Successor Part No. | Transaction Type | Customer Reference | Document Date | Quantity | Customer Part No. |
|----------|---------|---------------------|--------------------|------------------|--------------------|---------------|----------|-------------------|
| 27895000 |         | SEMiX603GB12E4p     |                    | Order            | 110906             | 05/26/2019    | 96       |                   |

**Customer Approval Form for PN21-009 Rev. 1**

**Please check the appropriate box below:**

- ☐ We agree with this proposed change and its schedule.
- ☐ We have objections:

**Billing address:**

|               |  |                |   |
|---------------|--|----------------|---|
| Company:      | Richardson RFPD Electronics Trading (China) Co., L | Name:          |   |
| Address:      | 中国(上海)自由贸易试验区冰克路500号3幢第8层810室                      |                |   |
|               | -  |                |   |
|               | -  |                |   |
|               | 200051   |                |   |
|               | 上海   |                |   |
|               | China  |                |   |
| Signature:    |  | Date:          |   |
| Customer No.: | SKCNPS10105  | Supplier No. : | - |

**Signature/approval authority different from billing address?**

Yes ☐

|            |       |
|------------|-------|
| Company:   | Name: |
| Address:   |       |
|            |       |
|            |       |
| Signature: | Date: |

**Please return to your local SEMIKRON sales contact:**

|         |                        |        |                  |
|---------|------------------------|--------|------------------|
| Name:   | Yu, Winson             | Phone: | +86 756 3396 676 |
| E-mail: | Winson.Yu@semikron.com | Fax:   | +86 756 3396 678 |