

Product / Process Change Notification

1. ID No.: PCN SEN T121/34			2. Date of announcement: 24.02.2017	
3.	Product / product group: Temperature Sensors Solar Sensors	Old ordering code: B58100A0327A B58100A0374A B58100A0380A B58100A0421A B58100A0439A B58100A0491A B58100A0528A B58100A0578A B58100A0598A B58100A0637A	New ordering code: unchanged	Customer part number:
4.	Description of change: We are transferring our NTC sensor production from Berlin to Batam to consolidate our NTC activities at the existing sensor plant in Batam Panbil, Indonesia. For more details please find the attached presentation.			
5.	Effect on the product or for the customer (benefit, quality, specification, lead time): lo effect on product design, appearance, quality and specification.			
7.	Quality assurance measures / risk assessment: The Batam Panbil plant is certified according to ISO/TS 16949. The necessary buffer stock for the process transfers and releases will be put in place. In addition to the existing quality assurance measures, extended IPQC (In Process Quality Check) standards and expanded outgoing shipping inspections will be temporarily implemented. The complete production transfer will be supported by experienced production and process engineering. Scheduled date of change: Transfer of production will start in cw 22/ 2017. First shipments from Batam production will start in cw 32/ 2017.			
8.		production will start in cv notification to the contra	v 32/ 2017. y within a period of 10 w	veeks, EPCOS assumes that out that old as well as new
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	Customer feedback			
	Customer acknowledgement		Signature	



Transfer of NTC-Sensor-Production from Berlin into our existing sensor plant in Batam Panbil, Indonesia



Transfer from Berlin to Batam Panbil, Indonesia

We are transferring our NTC sensor production from Berlin to Batam to consolidate our NTC activities at the existing sensor plant in Batam Panbil, Indonesia

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Batam is well established production location since 1990





Introduction of the sensor plant



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Plant in Batam, Indonesia

Product range

Sensors BG

- NTC sensor elements and systems for
 - Automotive electronics
 - ¬ Household appliances
 - Industrial electronics
 - ¬ Medical applications
- Solar sensors for automotive electronics



31,000 m² Founded in 2007

Certification

- ISO 9001
- ISO/TS 16949
- ISO 14001



Batam Panbil production location







Advantages

- Consolidation of NTC sensor production in our main NTC production facility on Batam
- Same production plant for frontend production (NTC elements) and backend production (NTC systems). NTC element and NTC systems production is established for many years in Batam Panbil.
- Standardized production system and supply chain management
- Standardized technical and quality standards
- Highly developed industrial area with optimal infrastructural connections as well as independent water and power supplies
- Additional space to ensure rising quality and capacity demands





Transfer schedule



Starting August 2017, first product deliveries will be shipped from Batam Panbil plant.



Actions to ensure delivery performance

- Individual scheduling of transfer buffer stock depending on customer demands and requirements
- Support of the complete production transfer by experienced production engineers from Berlin plant
- Shipping to European customers will be via Berlin warehouse (unchanged)







Actions to ensure quality performance

- Implementing temporarily additional quality assurance measures:
 - » Expanded IPQC (In Process Quality Check) standards
 - » Expanded shipping inspection prior delivery in Batam Panbil
 - » Expanded shipping inspection prior delivery in Berlin warehouse
- Performing internal production release procedures for different product and process families
- Support of the complete production transfer by experienced production and process engineering



FAQ

Can I visit the Batam plant?

You are welcome to visit us. We do our best to fulfill your time proposal.

When can I perform a process audit?

After the complete production transfer; from September 2017 onwards. Timing can be discussed in detail in June 2017.

How can I identify sensors produced after the transfer?

All labels will be marked with "Made in Indonesia" (instead of "Made in Germany")



Can I get production and process release documents?

We will set up internal production release procedures for different product families. These documents will be provided on request.



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