

Messrs. TTI EUROPE

**APPLICATION FOR PROCESS CHANGE**

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We apply for Process/Design Change as follows.  
So please give us your directions using a "RESPONSE" Sheet shown bellow, if you have any.

Title	Change of Assembly Manufacturing Factory for NTC thermistors (TDK Xiamen⇒PT. TDK ELECTRONICS INDONESIA Batam)		
Your Part No.	TDKNTCGP3JH103HCZCCA	TDK Item Name	NTCGP3JH103HCZCCAP02
ITEMS CHANGED			
[Before change] Assembly, inspection and shipping process of NTC thermistors at TDK Xiamen Factory.		[After change] Assembly, inspection and shipping process of NTC thermistors at PT.TDK ELECTRONICS INDONESIA Batam Factory.	
REASON FOR CHANGE			
This process change is due to the reorganization of our manufacturing bases. Based on this decision, a part of the manufacturing line for NTC thermistor at TDK Xiamen Factory in China has been transferred to our Batam Factory in Indonesia. Production of buffer inventory for this product at the Xiamen factory was completed by June 2025, followed by equipment transfer, startup, and evaluation. We apologize for not being able to inform you in advance, as there had been no orders from the customer for a long period.			
Scheduled delivery date after change	July 2026	Deadline for response we hope	April 2026
		Attachment <input checked="" type="radio"/> Yes, <input type="radio"/> No	

To Temperature & Pressure Sensors Business Group TDK Corporation	<div style="border: 1px solid black; padding: 5px; display: inline-block;">RESPONSE</div>	Responsible person _____  Person in charge _____  Position of person in charge _____
	Date entered :	
Column for approval	Directions	

# **Transfer of assembly manufacturing line from TDK Xiamen Factory to BATAM Factory**

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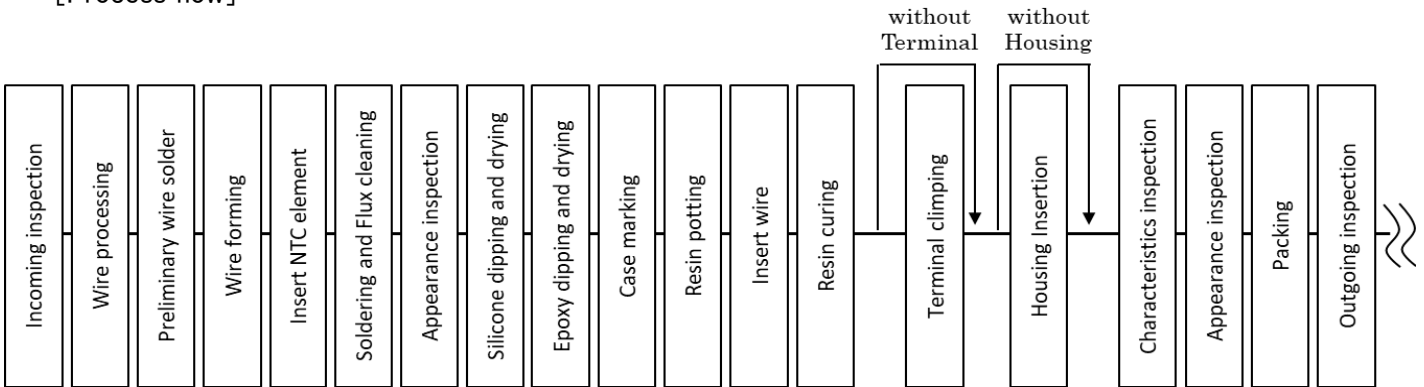
### 1. Background & Purpose

This process change is due to the reorganization of our manufacturing bases. Based on this decision, a part of the manufacturing line for NTC thermistor at TDK Xiamen Factory in China will be transferred to our Batam Factory in Indonesia.

◎Product for process change

Your Part No.	TDK Item Name
TDKNTCGP3JH103HCZCCA	NTCGP3JH103HCZCCAP02

◎Changes  
[Process flow]



◎4M change points


	Items	Before changes	After changes
Assemble Process	Location	TDK Xiamen Co., Ltd. Xiamen Factory	PT. TDK ELECTRONICS INDONESIA Batam Factory
	Material	No change	
	Shipment Label	Label layout changes	
	Man	Employed and managed by TDK Xiamen	Employed and managed by PT. TDK ELECTRONICS INDONESIA
	Machine	No change *Equipment running at Xiamen will be transferred to Batam.	
	Method	No change	



### 3. Details of Change

#### ◎Transfer of manufacturing line

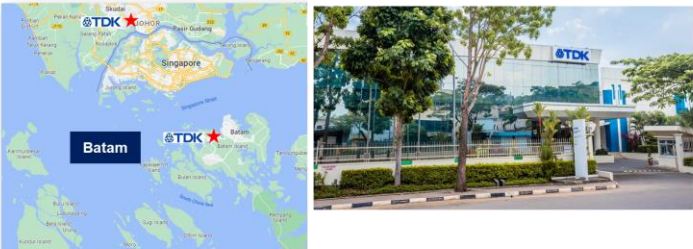
Befor change :  
TDK Xiamen Factory in China



**Xiamen Factory**

Key data	Certification		
<ul style="list-style-type: none"> <li>● Plant area                             <ul style="list-style-type: none"> <li>↳ Total land owned : 156,872 m<sup>2</sup></li> </ul> </li> <li>● Headcount: 4,530</li> <li>● Number of plant : 2</li> <li>● Established date : September, 1994</li> </ul>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; border-right: 1px solid black;"> <b>ISO 14001</b>  <b>IATF 16949</b>  <b>AEO高級承認</b> </td> <td style="width: 50%;"> <b>ISO 9001</b>  <b>ISO 45001</b> </td> </tr> </table>	<b>ISO 14001</b> <b>IATF 16949</b> <b>AEO高級承認</b>	<b>ISO 9001</b> <b>ISO 45001</b>
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After change :  
PT. TDK ELECTRONICS INDONESIA Batam Factory



**Batam**


Key data	Certification		
<ul style="list-style-type: none"> <li>● Plant area                             <ul style="list-style-type: none"> <li>↳ Total land owned : 43,836 m<sup>2</sup></li> <li>↳ Total buildup area: 31,000 m<sup>2</sup></li> </ul> </li> <li>● Headcount: 3,819 (end 09/2023)</li> <li>● Established : 2007</li> </ul>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; border-right: 1px solid black;"> <b>ISO 9001</b>  <b>ISO 14001</b>  <b>ISO 45001</b> </td> <td style="width: 50%;"> <b>IATF 16949</b>  <b>ISO 17025</b> </td> </tr> </table> <p><b>Responsible Business Alliance (RBA)</b>  <b>Indonesian Health &amp; Safety Standard (K3)</b></p>	<b>ISO 9001</b> <b>ISO 14001</b> <b>ISO 45001</b>	<b>IATF 16949</b> <b>ISO 17025</b>
<b>ISO 9001</b> <b>ISO 14001</b> <b>ISO 45001</b>	<b>IATF 16949</b> <b>ISO 17025</b>		

#### ◎Change of Shipment Label

Befor change :  
TDK Xiamen Factory in China

The Shipment Level shaws PRODUCT ID/BATCH No./Quantity/Locations.


<example>



After change :  
PT. TDK ELECTRONICS INDONESIA  
Batam Factory

The Shipment Level shaws PRODUCT ID/BATCH No./Quantity/Locations.  
The PRODUCT ORDER No. and etc. will be added to it.

<example>



### 4. Evaluation

<Evaluation items after transfer>

\*It will be performed on the representative samples.

Process name	Evaluation item	Sample size	Evaluation standard
*Finished product	Dimensions (in drawing)	n=30	Cpk ≥ 1.33
*Finished product	Electrical Characteristics	n=30	Meets specification standards and no abnormality.
*Finished product	Appearance	n=100	Equivalent to current mass-produced products and no abnormality
*Finished product	Reliability Tests	by test item	Meets specification standards and no abnormality.