

# To

## **Product: TO-3P(N) Regarding the change of marking method and unifying the specification of marking design**

We wish to express our sincerest appreciation for your continued patronage to our semiconductors. Now, we would like to report the above details regarding our products. Looking forward to your continued guidance and patronage.

Best regards

### **TOSHIBA**

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TOSHIBA CORPORATION

Semiconductor & Storage Products Company

Discrete Semiconductor Division

Himeji Operations–Semiconductor

Quality Assurance Department

# 1. Summary of the change

## 1. Background of the change

The ink supplier of the TO-3P(N) package products that we are currently producing, informed us that it would be difficult to continue supplying ink in the future.

In order to stable supply of the product even in the situation where the ink marking equipment is aging and there is no substitute for it, we will change to the laser marking method which already have a good mass production record.

For products that are in concurrent production with the ink marking and laser marking, we will unify them to the laser marking. We will also unify the multiple Toshiba trademarks into one. Appreciated your understanding.

Please refer to the following pages for details.

## 2. Contents of the change

Package name	TO-3P(N)				
	Before change				After change
Number	①(Change target)	②(Change target)	③-1(Change target)	③-2(No Change)	④
Production line	In production	In production	In parallel production	In parallel production	In production
Marking method	Ink mark	Ink Mark	Ink mark	Laser mark	Laser mark
Trade mark	Design T	TOSHIBA logo	TOSHIBA logo	TOSHIBA logo	Unified TOSHIBA logo

## 3. Product which applies

Please refer to the attached sheet.

## 4. Date change

We are planning to switch sequentially from the production in October 2023.

## 5. Other

Regarding this case, there is no change in electrical characteristics and reliability other than the above. For some products, technical data will be rewritten. (Trademark changed product①)  
If it is necessary to rewrite the specifications, etc., the Application Engineering Department will handle it, so please request via our company (sales).

# 2. Change point

## Detail of the change

We will abolish the ink marking method and change to the laser marking method. The multiple trademark will be unified to the TOSHIBA logo.

**Package name : TO-3P(N)**

	Before change				After change	reference
Number	①(Change target)	②(Change target)	③-1(Change target)	③-2(No Change)	④	Marking (Technical data description)
Production line	In production	In production	In parallel production	In parallel production	In production	
Image of present marking						
Marking SPEC	<ul style="list-style-type: none"> <li>•Ink marking</li> <li>•Design-T</li> </ul>	<ul style="list-style-type: none"> <li>•Ink marking</li> <li>•TOSHIBA logo</li> </ul>	<ul style="list-style-type: none"> <li>•Ink marking</li> <li>•TOSHIBA logo</li> </ul>	<ul style="list-style-type: none"> <li>•Laser marking</li> <li>•TOSHIBA logo</li> </ul>	<ul style="list-style-type: none"> <li>•Laser marking</li> <li>•TOSHIBA logo</li> </ul>	<ul style="list-style-type: none"> <li>①Product name (or abbreviated name)</li> <li>②Lot No.</li> <li>③lead free reference mark</li> </ul>
Change point	<ul style="list-style-type: none"> <li>•Change from ink to laser</li> <li>•Change from Design-T to TOSHIBA logo (With rewriting of technical data)</li> </ul>	<ul style="list-style-type: none"> <li>•Change from ink to laser</li> </ul>	<ul style="list-style-type: none"> <li>•Change from ink to laser</li> </ul> <p style="background-color: #4a90e2; color: white; padding: 5px; text-align: center;">Unify from concurrent production into laser marking.</p>	<ul style="list-style-type: none"> <li>•No change (Change not applicable)</li> </ul>	<ul style="list-style-type: none"> <li>•Unifying of marking specification</li> </ul>	

Changes are noted in red.

# TOSHIBA

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いつも私たちの半導体・ストレージであり続けたい。

東芝デバイス&ストレージは、お客様とともに未来への歩みを加速させるため、  
先駆者としての技術と想いを載せた製品を提供し、いつの時代にも選ばれる企業を目指します。

## 「Do the right thing / 誠実であり続ける」