

Customer Notification (Information Note)

This is to inform you that minor change will be implemented to the affected product(s) and this notification is for your information.

Change No: IN25004 rev1

Title: Modify Hall Effect Sensor Datasheet

Issue Date: 2025/11/14

If you have any questions concerning this change, please contact:

Change Coordinator

Name : Nonito Cayacap Jr.

E-Mail: nonito.ayacap @ts.com.tw

Phone: +886-2-8913-1588 Ext. 2212

Change Originator

Name : Ben Kao

E-mail: ben.kao@mail.ts.com.tw

Phone: +886-2-8913-1588 Ext. 2609

Change Type:

Datasheet revision

Effectivity:

Expected 1st device shipment date: N/A (Only a modification of datasheet, the actual product will not be changed)

Product Category (Description):

Hall Effect Sensor (TSH181xx, TSH188xx, TSH190xx, TSH193xx, TSH248xx, TSH251xx, TSH253xx, TSH282xx, TSH481xx)

Description of Change:

Revise hall sensor location description typo error

Revise TSH188CX, TSH190CX, TSH248CX date code description typo error

Revise POD description by formal POD

Revise TSH248CX B_{RPS} maximum limit typo issue

Revise TSH193CX MSL level typo issue

Datasheet	Item	From	To	Remarks
TSH181xx TSH190xx TSH251xx TSH253xx TSH282xx TSH481xx	Hall sensor location	TSH181CT (1.5mm) TSH190CT (1.5mm) TSH251CT (1.5mm) TSH253CT (1.5mm) TSH253CX (N/A) TSH282CT (1.5mm) TSH282CX (N/A) TSH481CT (1.5mm)	TSH181CT (1.2mm) TSH190CT (0.9mm) TSH251CT (0.9mm) TSH253CT (0.9mm) TSH253CX (0.8mm/1.45mm) TSH282CT (0.9mm) TSH282CX (0.8mm/1.45mm) TSH481CT (1.1mm)	Revise hall sensor location description typo error
TSH188xx TSH190xx TSH248xx	TSH188CX, TSH190CX, TSH248CX date code description	Week Code Table (2025 only)	WW = Date code (Refer to coding table)	Revise TSH188CX, TSH190CX, TSH248CX date code description typo error
TSH181xx TSH188xx TSH190xx TSH193xx TSH248xx TSH251xx TSH253xx TSH282xx TSH481xx	POD	Not standard POD format	New POD format	Standardization of POD format No change of the actual package dimension.
TSH248xx	B _{RPS} maximum limit	-59	59	Typo error
TSH193xx	MSL (SOT-23)	3	1	Typo error

Effect of Change:

Document change only. No impact on form, fit and function.

List of Affected Devices:

Family	Package	Ordering Code
Hall Effect Sensor	TO-92S	TSH181CT B0G
Hall Effect Sensor	TO-92S	TSH188CT B0G
Hall Effect Sensor	TO-92S	TSH188CT A3G
Hall Effect Sensor	SOT-23	TSH188CX RFG
Hall Effect Sensor	TO-92S	TSH190CT B0G
Hall Effect Sensor	SOT-23	TSH190CX RFG
Hall Effect Sensor	TO-92S	TSH193CT B0G
Hall Effect Sensor	SOT-23	TSH193CX RFG
Hall Effect Sensor	TSOT-23	TSH248CX RFG
Hall Effect Sensor	TO-92S	TSH251CT B0G
Hall Effect Sensor	TSOT-23	TSH251CX RFG
Hall Effect Sensor	TO-92S	TSH253CT B0G

Family	Package	Ordering Code
Hall Effect Sensor	SOT-23	TSH253CX RFG
Hall Effect Sensor	TO-92S	TSH282CT B0G
Hall Effect Sensor	TO-92S	TSH282CT A3G
Hall Effect Sensor	SOT-23	TSH282CX RFG
Hall Effect Sensor	TO-92S	TSH481CT B0G

Revision History:

Rev	Description of Revision
Rev0	Initial IN25004
Rev1	<ol style="list-style-type: none"> 1.) Revision IN Letter of Expected 1st device shipment date to N/A (Only a modification of datasheet, the actual product will not be changed) 2.) Revise TSH248CX B_{RPS} maximum limit typo issue, product without change. 3.) Revise TSH193CX MSL level typo issue, product without change. <p>Note: timeline, project scope, and involve P/N will remain the same.</p>