



**Product Change Notification / ALAN-27ZZHV488**

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**Date:**

28-Apr-2023

**Product Category:**

Inductive Position Sensors

**PCN Type:**

Manufacturing Change

**Notification Subject:**

eSign# E000174509 Final Notice: Qualification of new default EEPROM settings for LX34070-H/ST, LX34070-H/STVAO, LX34070T-H/ST, and LX34070T-H/STVAO catalog part numbers (CPN) available in 14L TSSOP (4.4mm) package.

**Affected CPNs:**

[ALAN-27ZZHV488\\_Affected\\_CPN\\_04282023.pdf](#)

[ALAN-27ZZHV488\\_Affected\\_CPN\\_04282023.csv](#)

**Notification Text:**

**PCN Status:**Final Notification

**PCN Type:**Manufacturing Change

**Microchip Parts Affected:**Please open one of the files found in the Affected CPNs section.

Note: For your convenience Microchip includes identical files in two formats (.pdf and .xls)

**Description of Change:**Qualification of new default EEPROM settings for LX34070-H/ST, LX34070-H/STVAO, LX34070T-H/ST, and LX34070T-H/STVAO catalog part numbers (CPN) available in 14L TSSOP (4.4mm) package.

**Pre and Post Change Summary:**

	Pre Change	Post Change
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OUT2P-OUT2N Gain Adjustment (fine) (W1[7:4])	Factory Default: 0000b	Factory Defaults: Programmed at factory
OUT1P-OUT1N Gain Adjustment (fine) (W1 [3:0])	Factory Default: 0000b	Factory Defaults: Programmed at factory
OUT1P-OUT1N offset correction (fine) (W1[15:12])	Factory Default: 0000b	Factory Defaults: Programmed at factory
OUT2P-OUT2N offset correction (fine) (W2[3:0])	Factory Default: 0000b	Factory Defaults: Programmed at factory
Fault masking enable (W2[11:10])	Factory Default: 00b	Factory Default: 10b
Exciter Tail current control loop target adjust (W4[7:6])	Factory Default: 00b	Factory Default: 01b
Demodulator gain adjustment (W4[13:12])	Factory Default: 00b	Factory Default: 01b
Frequency fault configuration (W7[2:1])	Factory Default: 10b	Factory Default: 11b
RM1/RM2 short to GND fault mask bit (W7[10])	Factory Default: 0	Factory Default: 1
Fault masking enable (W7[15])	Factory Default: 0	Factory Default: 1

**Impacts to Data Sheet:**Yes. Datasheet update on EEPROM Configuration default settings.

Note: Microchip will issue a separate PCN after the datasheet is updated.

**Change Impact**None

**Reason for Change:**To improve manufacturability by qualification of new default EEPROM settings.

**Change Implementation Status:**In Progress

**Estimated First Ship Date:**May 1, 2023 (date code: 2318)

Note: Please be advised that after the estimated first ship date customers may receive pre and post change parts.

**Time Table Summary:**

	April 2023					May 2023				
Workweek	1 3	1 4	1 5	1 6	1 7	1 8	1 9	2 0	2 1	2 2
Final PCN Issue Date					X					
Estimated Implementation Date						X				

**Method to Identify Change:**Traceability code

**Qualification Report:**Not applicable.

**Revision History:**April 28, 2023: Issued final notification.

The change described in this PCN does not alter Microchip's current regulatory compliance regarding the material content of the applicable products.

Please contact your local **Microchip sales office** with questions or concerns regarding this notification.

**Terms and Conditions:**

If you wish to receive Microchip PCNs via email please register for our PCN email service at our **PCN home page** select register then fill in the required fields. You will find instructions about registering for Microchips PCN email service in the **PCN FAQ** section.

If you wish to change your PCN profile, including opt out, please go to the **PCN home page** select login and sign into your myMicrochip account. Select a profile option from the left navigation bar and make

the applicable selections.

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Affected Catalog Part Numbers (CPN)

LX34070-H/ST

LX34070-H/STVAO

LX34070T-H/ST

LX34070T-H/STVAO