Product Change Notification / ALAN-27ZZHV488

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

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	13	14	15	16	17	18	19	20	21	22
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.

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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.

Affected Catalog Part Numbers (CPN)

LX34070-H/ST
LX34070-H/STVAO
LX34070T-H/ST
LX34070T-H/STVAO