



## Product Change Notification / SYST-17UTSE727

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### Date:

20-Dec-2021

### Product Category:

8-bit Microcontrollers

### PCN Type:

Document Change

### Notification Subject:

Data Sheet - ATtiny424/426/427/824/826/827 Data Sheet Document Revision

### Affected CPNs:

[SYST-17UTSE727\\_Affected\\_CPN\\_12202021.pdf](#)

[SYST-17UTSE727\\_Affected\\_CPN\\_12202021.csv](#)

### Notification Text:

SYST-17UTSE727

Microchip has released a new Product Documents for the ATtiny424/426/427/824/826/827 Data Sheet of devices. If you are using one of these devices please read the document located at [ATtiny424/426/427/824/826/827 Data Sheet](#).

**Notification Status:** Final

#### Description of Change:

Document

- Data sheet status changed to "Completed": final limits added to the Electrical Characteristics, Typical Characteristics expanded, and package top markings added
- Editorial updates throughout the document

CPUINT

Description of the IVSEL bit in the CTRLA register improved: When the entire Flash is configured as BOOT section, the IVSEL bit in the CTRLA register is ignored.

#### PORT

Slew rate limitation functionality added: Slew Rate Limit Enable (SLR) bit in the Port Control (PORTCTRL) register.

#### USART

Description of the IREI bit in the EVCTRL register corrected

#### TWI

CTRLA.SDASETUP is used in client mode to select the clock hold time to ensure minimum setup time

#### ADC

PGA initialization time is 20  $\mu$ s

#### Electrical Characteristics

- Table 33-5: Typical values altered and min./max. values added
- Table 33-6: Completed
- Table 33-7: ADC updated
- Table 33-12: Note added
- Table 33-13: Note added
- Table 33-22: Symbol column updated
- Table 33-23: Value set reduced and updated
- ADC Table 33-26: values updated
- ADC Table 33-27: Values updated
- ADC Table 33-28: Values updated

- TEMPSense Table 33-29: Accuracy value updated
- 33.18. AC: Typical values altered and min./max. values added in all tables

Typical Characteristics Plots added

**Impacts to Data Sheet:** None

**Reason for Change:** To Improve Productivity

**Change Implementation Status:** Complete

**Date Document Changes Effective:** 20 Dec 2021

**NOTE:** Please be advised that this is a change to the document only the product has not been changed.

**Markings to Distinguish Revised from Unrevised Devices:** N/A

## Attachments:

[ATtiny424/426/427/824/826/827 Data Sheet](#)

Please contact your local [Microchip sales office](#) with questions or concerns regarding this notification.

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Affected Catalog Part Numbers (CPN)

ATTINY424-SSF  
ATTINY424-SSFR  
ATTINY424-SSU  
ATTINY424-SSUR  
ATTINY424-XF  
ATTINY424-XFR  
ATTINY424-XU  
ATTINY424-XUR  
ATTINY426-MF  
ATTINY426-MFR  
ATTINY426-MU  
ATTINY426-MUR  
ATTINY426-SF  
ATTINY426-SFR  
ATTINY426-SU  
ATTINY426-SUR  
ATTINY426-XF  
ATTINY426-XFR  
ATTINY426-XU  
ATTINY426-XUR  
ATTINY427-MF  
ATTINY427-MFR  
ATTINY427-MU  
ATTINY427-MUR  
ATTINY824-SSF  
ATTINY824-SSFR  
ATTINY824-SSU  
ATTINY824-SSUR  
ATTINY824-XF  
ATTINY824-XFR  
ATTINY824-XU  
ATTINY824-XUR  
ATTINY826-MF  
ATTINY826-MFR  
ATTINY826-MU  
ATTINY826-MUR  
ATTINY826-SF  
ATTINY826-SFR  
ATTINY826-SU  
ATTINY826-SUR  
ATTINY826-XF  
ATTINY826-XFR  
ATTINY826-XU  
ATTINY826-XUR  
ATTINY827-MF  
ATTINY827-MFR

ATTINY827-MU  
ATTINY827-MUR